Exhibits

Exhibit A

Laboratory Reports

H1I230466 Analytical Report 1

Sample Receipt Documentation 25

Volatiles 29
Raw Sample Data 30
Standards Data 75
Initial Calibration j082511i.pdf..... 76
Continuing Calibration j092611.pdf..... 154
Continuing Calibration j092711.pdf..... 169
Raw QC Data 185
Miscellaneous Data..... 220

Sample Receipt Documentation 226

Total Number of Pages 229

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 24 Seneca #47362

24 Seneca Rochester

Lot #: H1I230466

Maya Murshak

Merit Laboratories
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TESTAMERICA LABORATORIES, INC.

Ryan Henry

Ryan Henry
Project Manager

September 30, 2011

ANALYTICAL METHODS SUMMARY

H1I230466

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H1I230466

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MMN34	001	SV-8-24SA-092111	09/21/11	14:17
MMN35	002	SV-9-24SA-092111	09/21/11	14:31
MMN36	003	SV-10-24SA-092111	09/21/11	14:43
MMN37	004	SV-11-24SA-092111	09/21/11	14:59
MMN38	005	SV-12-24SA-092111	09/21/11	15:26

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H1I230466

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Several samples were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

CERTIFICATION SUMMARY

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Knoxville	ACLASS	DoD ELAP		ADE-1434
TestAmerica Knoxville	Arkansas	State Program	6	88-0688
TestAmerica Knoxville	California	State Program	9	2423
TestAmerica Knoxville	Colorado	State Program	8	N/A
TestAmerica Knoxville	Connecticut	State Program	1	PH-0223
TestAmerica Knoxville	Florida	NELAC	4	E87177
TestAmerica Knoxville	Georgia	State Program	4	906
TestAmerica Knoxville	Hawaii	State Program	9	N/A
TestAmerica Knoxville	Indiana	State Program	5	C-TN-02
TestAmerica Knoxville	Iowa	State Program	7	375
TestAmerica Knoxville	Kansas	NELAC	7	E-10349
TestAmerica Knoxville	Kentucky	State Program	4	90101
TestAmerica Knoxville	Louisiana	NELAC	6	LA110001
TestAmerica Knoxville	Louisiana	NELAC	6	83979
TestAmerica Knoxville	Maryland	State Program	3	277
TestAmerica Knoxville	Michigan	State Program	5	9933
TestAmerica Knoxville	Minnesota	NELAC	5	047-999-429
TestAmerica Knoxville	Nevada	State Program	9	TN00009
TestAmerica Knoxville	New Jersey	NELAC	2	TN001
TestAmerica Knoxville	New York	NELAC	2	10781
TestAmerica Knoxville	North Carolina	North Carolina DENR	4	64
TestAmerica Knoxville	North Carolina	North Carolina PHL	4	21705
TestAmerica Knoxville	Ohio	OVAP	5	CL0059
TestAmerica Knoxville	Oklahoma	State Program	6	9415
TestAmerica Knoxville	Pennsylvania	NELAC	3	68-00576
TestAmerica Knoxville	South Carolina	State Program	4	84001
TestAmerica Knoxville	Tennessee	State Program	4	2014
TestAmerica Knoxville	Texas	NELAC	6	T104704380-TX
TestAmerica Knoxville	USDA	USDA		P330-11-00035
TestAmerica Knoxville	Utah	NELAC	8	QUAN3
TestAmerica Knoxville	Virginia	State Program	3	165
TestAmerica Knoxville	Washington	State Program	10	C593
TestAmerica Knoxville	West Virginia	West Virginia DEP	3	345
TestAmerica Knoxville	West Virginia	West Virginia DHHR (DW)	3	9955C
TestAmerica Knoxville	Wisconsin	State Program	5	998044300

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Data Summary

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 001	**Work Order #**	MMN341AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011		
Prep Batch #.....:	1269182				
Dilution Factor.:	104.33	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	8.3	ND	41
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	8.3	ND	58
Chloromethane	ND	21	ND	43
Vinyl chloride	ND	8.3	ND	21
Bromomethane	ND	8.3	ND	32
Chloroethane	ND	8.3	ND	22
Trichlorofluoromethane	ND	8.3	ND	47
1,1-Dichloroethene	ND	8.3	ND	33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	8.3	ND	64
Methylene chloride	ND	21	ND	72
1,1-Dichloroethane	ND	8.3	ND	34
cis-1,2-Dichloroethene	ND	8.3	ND	33
Chloroform	ND	8.3	ND	41
1,1,1-Trichloroethane	ND	8.3	ND	46
Carbon tetrachloride	ND	8.3	ND	53
Benzene	ND	8.3	ND	27
1,2-Dichloroethane	ND	8.3	ND	34
Trichloroethene	**1300**	**4.2**	**7100**	**22**
1,2-Dichloropropane	ND	8.3	ND	39
cis-1,3-Dichloropropene	ND	8.3	ND	38
Toluene	ND	8.3	ND	31
trans-1,3-Dichloropropene	ND	8.3	ND	38
1,1,2-Trichloroethane	ND	8.3	ND	46
Tetrachloroethene	ND	8.3	ND	57
1,2-Dibromoethane (EDB)	ND	8.3	ND	64
Chlorobenzene	ND	8.3	ND	38
Ethylbenzene	ND	8.3	ND	36
m-Xylene & p-Xylene	ND	8.3	ND	36
o-Xylene	ND	8.3	ND	36
Styrene	ND	8.3	ND	36
1,1,2,2-Tetrachloroethane	ND	8.3	ND	57
1,3,5-Trimethylbenzene	ND	8.3	ND	41
1,2,4-Trimethylbenzene	ND	8.3	ND	41
1,3-Dichlorobenzene	ND	8.3	ND	50
1,4-Dichlorobenzene	ND	8.3	ND	50
1,2-Dichlorobenzene	ND	8.3	ND	50
Benzyl chloride	ND	17	ND	86

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 001 **Work Order #** MMN341AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	8.3	ND	62
Hexachlorobutadiene	ND	8.3	ND	89

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 002	**Work Order #**	MMN351AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	9.94	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.85**	**0.80**	**2.7**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.6**	**0.80**	**6.0**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	**0.94**	**0.80**	**6.4**	**5.4**
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 002 Work Order # MMN351AD Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 003	**Work Order #**	MMN361AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**1.4**	**0.80**	**4.5**	**2.6**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**2.0**	**0.80**	**7.4**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	**0.98**	**0.80**	**4.2**	**3.5**
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.3

Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 003 **Work Order #** MMN361AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 004	**Work Order #**	MMN371AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	9.95	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	**1.5**	**0.80**	**7.5**	**3.9**
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.88**	**0.80**	**2.8**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.5**	**0.80**	**5.8**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample # H11230466 - 004 **Work Order #** MMN371AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample #	H11230466 - 005	**Work Order #**	MMN381AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	20.1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	1.6	ND	8.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
Chloromethane	ND	4.0	ND	8.3
Vinyl chloride	ND	1.6	ND	4.1
Bromomethane	ND	1.6	ND	6.2
Chloroethane	ND	1.6	ND	4.2
Trichlorofluoromethane	ND	1.6	ND	9.0
1,1-Dichloroethene	ND	1.6	ND	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.6	ND	12
Methylene chloride	ND	4.0	ND	14
1,1-Dichloroethane	ND	1.6	ND	6.5
cis-1,2-Dichloroethene	ND	1.6	ND	6.4
Chloroform	ND	1.6	ND	7.9
1,1,1-Trichloroethane	ND	1.6	ND	8.8
Carbon tetrachloride	ND	1.6	ND	10
Benzene	ND	1.6	ND	5.1
1,2-Dichloroethane	ND	1.6	ND	6.5
Trichloroethene	ND	0.80	ND	4.3
1,2-Dichloropropane	ND	1.6	ND	7.4
cis-1,3-Dichloropropene	ND	1.6	ND	7.3
Toluene	**2.2**	**1.6**	**8.4**	**6.1**
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
1,1,2-Trichloroethane	ND	1.6	ND	8.8
Tetrachloroethene	ND	1.6	ND	11
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
Chlorobenzene	ND	1.6	ND	7.4
Ethylbenzene	ND	1.6	ND	7.0
m-Xylene & p-Xylene	**2.5**	**1.6**	**11**	**7.0**
o-Xylene	ND	1.6	ND	7.0
Styrene	ND	1.6	ND	6.8
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
1,3,5-Trimethylbenzene	**14**	**1.6**	**67**	**7.9**
1,2,4-Trimethylbenzene	**29**	**1.6**	**140**	**7.9**
1,3-Dichlorobenzene	ND	1.6	ND	9.7
1,4-Dichlorobenzene	ND	1.6	ND	9.7
1,2-Dichlorobenzene	ND	1.6	ND	9.7
Benzyl chloride	ND	3.2	ND	17

Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 005 **Work Order #** MMN381AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	1.6	ND	12
Hexachlorobutadiene	ND	1.6	ND	17

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	120	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H1I260000 - 182B	**Work Order #**	MMP711AA	**Matrix.....:**	AIR
	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011		
Prep Batch #.....:	1269182				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
Chloromethane	ND	0.20	ND	0.41
Vinyl chloride	ND	0.080	ND	0.20
Bromomethane	ND	0.080	ND	0.31
Chloroethane	ND	0.080	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1-Dichloroethene	ND	0.080	ND	0.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.080	ND	0.61
Methylene chloride	ND	0.20	ND	0.69
1,1-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
Chloroform	ND	0.080	ND	0.39
1,1,1-Trichloroethane	ND	0.080	ND	0.44
Carbon tetrachloride	ND	0.080	ND	0.50
Benzene	ND	0.080	ND	0.26
1,2-Dichloroethane	ND	0.080	ND	0.32
Trichloroethene	ND	0.040	ND	0.21
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Toluene	ND	0.080	ND	0.30
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Tetrachloroethene	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
Chlorobenzene	ND	0.080	ND	0.37
Ethylbenzene	ND	0.080	ND	0.35
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichlorobenzene	ND	0.080	ND	0.48
Benzyl chloride	ND	0.16	ND	0.83

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H11260000 - 182B **Work Order #** MMP711AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
Hexachlorobutadiene	ND	0.080	ND	0.85

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I260000 - 182C **Work Order #** MMP711AC **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011
Prep Batch #.....:	1269182		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Dichlorodifluoromethane	5.00	4.61	25	22.8	92	60 - 140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.73	35	33.1	95	60 - 140
Chloromethane	5.00	4.68	10	9.66	94	60 - 140
Vinyl chloride	5.00	4.39	13	11.2	88	70 - 130
Bromomethane	5.00	5.00	19	19.4	100	70 - 130
Chloroethane	5.00	4.44	13	11.7	89	70 - 130
Trichlorofluoromethane	5.00	4.88	28	27.4	98	60 - 140
1,1-Dichloroethene	5.00	4.55	20	18.0	91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.81	38	36.9	96	70 - 130
Methylene chloride	5.00	4.43	17	15.4	89	70 - 130
1,1-Dichloroethane	5.00	4.51	20	18.3	90	70 - 130
cis-1,2-Dichloroethene	5.00	4.42	20	17.5	88	70 - 130
Chloroform	5.00	4.39	24	21.4	88	70 - 130
1,1,1-Trichloroethane	5.00	4.46	27	24.3	89	70 - 130
Carbon tetrachloride	5.00	4.90	31	30.8	98	70 - 130
Benzene	5.00	4.32	16	13.8	86	70 - 130
1,2-Dichloroethane	5.00	4.59	20	18.6	92	70 - 130
Trichloroethene	5.00	4.59	27	24.6	92	70 - 130
1,2-Dichloropropane	5.00	4.57	23	21.1	91	70 - 130
cis-1,3-Dichloropropene	5.00	4.76	23	21.6	95	70 - 130
Toluene	5.00	4.46	19	16.8	89	70 - 130
trans-1,3-Dichloropropene	5.00	4.85	23	22.0	97	70 - 130
1,1,2-Trichloroethane	5.00	4.57	27	24.9	91	70 - 130
Tetrachloroethene	5.00	4.32	34	29.3	86	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.61	38	35.4	92	70 - 130
Chlorobenzene	5.00	4.51	23	20.7	90	70 - 130
Ethylbenzene	5.00	4.42	22	19.2	88	70 - 130
m-Xylene & p-Xylene	10.0	8.84	43	38.4	88	70 - 130
o-Xylene	5.00	4.35	22	18.9	87	70 - 130
Styrene	5.00	4.44	21	18.9	89	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.26	34	29.2	85	70 - 130
1,3,5-Trimethylbenzene	5.00	4.21	25	20.7	84	70 - 130
1,2,4-Trimethylbenzene	5.00	4.18	25	20.6	84	70 - 130
1,3-Dichlorobenzene	5.00	4.40	30	26.5	88	70 - 130
1,4-Dichlorobenzene	5.00	4.34	30	26.1	87	70 - 130
1,2-Dichlorobenzene	5.00	4.29	30	25.8	86	70 - 130

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I260000 - 182C Work Order # MMP711AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzyl chloride	5.00	4.29	26	22.2	86	70 - 130
1,2,4-Trichlorobenzene	5.00	4.78	37	35.5	96	60 - 140
Hexachlorobutadiene	5.00	4.84	53	51.6	97	60 - 140

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H1I270000 - 165B	**Work Order #**	MMQ4V1AA	**Matrix.....:**	AIR
	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
Chloromethane	ND	0.20	ND	0.41
Vinyl chloride	ND	0.080	ND	0.20
Bromomethane	ND	0.080	ND	0.31
Chloroethane	ND	0.080	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1-Dichloroethene	ND	0.080	ND	0.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.080	ND	0.61
Methylene chloride	ND	0.20	ND	0.69
1,1-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
Chloroform	ND	0.080	ND	0.39
1,1,1-Trichloroethane	ND	0.080	ND	0.44
Carbon tetrachloride	ND	0.080	ND	0.50
Benzene	ND	0.080	ND	0.26
1,2-Dichloroethane	ND	0.080	ND	0.32
Trichloroethene	ND	0.040	ND	0.21
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Toluene	ND	0.080	ND	0.30
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Tetrachloroethene	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
Chlorobenzene	ND	0.080	ND	0.37
Ethylbenzene	ND	0.080	ND	0.35
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichlorobenzene	ND	0.080	ND	0.48
Benzyl chloride	ND	0.16	ND	0.83

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H1I270000 - 165B **Work Order #** MMQ4V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
Hexachlorobutadiene	ND	0.080	ND	0.85

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I270000 - 165C **Work Order #** MMQ4V1AC **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011
Prep Batch #.....:	1270165		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Dichlorodifluoromethane	5.00	4.88	25	24.1	98	60 - 140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.90	35	34.2	98	60 - 140
Chloromethane	5.00	5.17	10	10.7	103	60 - 140
Vinyl chloride	5.00	4.88	13	12.5	98	70 - 130
Bromomethane	5.00	5.22	19	20.3	104	70 - 130
Chloroethane	5.00	4.65	13	12.3	93	70 - 130
Trichlorofluoromethane	5.00	5.01	28	28.2	100	60 - 140
1,1-Dichloroethene	5.00	4.56	20	18.1	91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.93	38	37.8	99	70 - 130
Methylene chloride	5.00	4.56	17	15.8	91	70 - 130
1,1-Dichloroethane	5.00	4.64	20	18.8	93	70 - 130
cis-1,2-Dichloroethene	5.00	4.52	20	17.9	90	70 - 130
Chloroform	5.00	4.52	24	22.1	90	70 - 130
1,1,1-Trichloroethane	5.00	4.51	27	24.6	90	70 - 130
Carbon tetrachloride	5.00	4.73	31	29.8	95	70 - 130
Benzene	5.00	4.27	16	13.6	85	70 - 130
1,2-Dichloroethane	5.00	4.60	20	18.6	92	70 - 130
Trichloroethene	5.00	3.86	27	20.7	77	70 - 130
1,2-Dichloropropane	5.00	4.62	23	21.3	92	70 - 130
cis-1,3-Dichloropropene	5.00	4.73	23	21.5	95	70 - 130
Toluene	5.00	4.25	19	16.0	85	70 - 130
trans-1,3-Dichloropropene	5.00	4.58	23	20.8	92	70 - 130
1,1,2-Trichloroethane	5.00	4.48	27	24.4	90	70 - 130
Tetrachloroethene	5.00	4.12	34	28.0	82	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.45	38	34.2	89	70 - 130
Chlorobenzene	5.00	4.29	23	19.7	86	70 - 130
Ethylbenzene	5.00	4.15	22	18.0	83	70 - 130
m-Xylene & p-Xylene	10.0	8.24	43	35.8	82	70 - 130
o-Xylene	5.00	4.04	22	17.5	81	70 - 130
Styrene	5.00	4.21	21	17.9	84	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.22	34	29.0	84	70 - 130
1,3,5-Trimethylbenzene	5.00	3.91	25	19.2	78	70 - 130
1,2,4-Trimethylbenzene	5.00	3.91	25	19.2	78	70 - 130
1,3-Dichlorobenzene	5.00	4.08	30	24.5	82	70 - 130
1,4-Dichlorobenzene	5.00	4.00	30	24.1	80	70 - 130
1,2-Dichlorobenzene	5.00	4.02	30	24.2	80	70 - 130

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I270000 - 165C **Work Order #** MMQ4V1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzyl chloride	5.00	3.84	26	19.9	77	70 - 130
1,2,4-Trichlorobenzene	5.00	4.21	37	31.2	84	60 - 140
Hexachlorobutadiene	5.00	4.52	53	48.2	90	60 - 140

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H 112304 66

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jeremy Wolf	**Sampled By:** Christopher Finke	1 of 1 COCs
Company: O'Brien + Gere	Phone: 585-729-7535		
Address: 400 Andrews St. Suite 710	Site Contact: Tony Di Nardo 716-982-9835		
City/State/Zip Rochester NY 14604	TAL Contact:		
Phone: 585-263-2820			
FAX:			
Project Name: 24 Seneca #47362	**Analysis Turnaround Time**		
Site/location: 24 Seneca Rochester	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-8-245A-092111	9/21/11	1017	1417	-30.1"	-8.5	K296	04186	X											
SV-9-245A-092111	9/21/11	1018	1431	-30.0"	-8.4	K408	12484	X											
SV-10-245A-092111	9/21/11	1018	1443	-30.1	-8.0"	K113B	62359N	X											
SV-11-245A-092111	9/21/11	1048	1459	-29.9"	-9.2"	K226	6607	X											
SV-12-245A-092111	9/21/11	1526	1526	-29.9"	-9.7"	K218	12823	X											

Sampled by : Christopher Finke

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start	NA	55°F	
Stop	NA	76°F	

	Pressure (inches of Hg)		
	Interior	Ambient	
Start	NA	29.67	
Stop	NA	29.62	

1 Box Rec'd @ Ambient Temp without custody Seal 9/23/11
1 Box Fed X # 8366 6748 3625
5 Cans / 5 Flows

Special Instructions/QC Requirements & Comments:
Please provide ppbv and ug/m^3 results in EDD.

Canisters Shipped by:	Date/Time: 9/22/11 1105	Canisters Received by: 9/23/11 1000
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H1I230466

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	4A
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; VOST: 10°C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 86471 PM Instructions: MA

Sample Receiving Associate: _____ Date: 9/23/11

QA026R22.doc, 012811

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H1I230466*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
9/26/11	NA	28.66	MMN34	04186	-8.8	3.7	AB 9/26/11	I	28.66	0	+34.3							9442
↓	↓	↓	MMN35	12484	-8.0	4.1												↓
			MMN36	62359N	-7.9	4.1												
			MMN37	6607	-9.5	3.7												9441
			MMN38	12823	-9.4	4.2												↓

Volatiles

Raw Sample Data

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 001 **Work Order #** MMN341AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/26/2011 **Analysis Date...** 09/26/2011
Prep Batch #.....: 1269182
Dilution Factor.: 104.33 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	8.3	ND	41
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	8.3	ND	58
Chloromethane	ND	21	ND	43
Vinyl chloride	ND	8.3	ND	21
Bromomethane	ND	8.3	ND	32
Chloroethane	ND	8.3	ND	22
Trichlorofluoromethane	ND	8.3	ND	47
1,1-Dichloroethene	ND	8.3	ND	33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	8.3	ND	64
Methylene chloride	ND	21	ND	72
1,1-Dichloroethane	ND	8.3	ND	34
cis-1,2-Dichloroethene	ND	8.3	ND	33
Chloroform	ND	8.3	ND	41
1,1,1-Trichloroethane	ND	8.3	ND	46
Carbon tetrachloride	ND	8.3	ND	53
Benzene	ND	8.3	ND	27
1,2-Dichloroethane	ND	8.3	ND	34
Trichloroethene	**1300**	**4.2**	**7100**	**22**
1,2-Dichloropropane	ND	8.3	ND	39
cis-1,3-Dichloropropene	ND	8.3	ND	38
Toluene	ND	8.3	ND	31
trans-1,3-Dichloropropene	ND	8.3	ND	38
1,1,2-Trichloroethane	ND	8.3	ND	46
Tetrachloroethene	ND	8.3	ND	57
1,2-Dibromoethane (EDB)	ND	8.3	ND	64
Chlorobenzene	ND	8.3	ND	38
Ethylbenzene	ND	8.3	ND	36
m-Xylene & p-Xylene	ND	8.3	ND	36
o-Xylene	ND	8.3	ND	36
Styrene	ND	8.3	ND	36
1,1,2,2-Tetrachloroethane	ND	8.3	ND	57
1,3,5-Trimethylbenzene	ND	8.3	ND	41
1,2,4-Trimethylbenzene	ND	8.3	ND	41
1,3-Dichlorobenzene	ND	8.3	ND	50
1,4-Dichlorobenzene	ND	8.3	ND	50
1,2-Dichlorobenzene	ND	8.3	ND	50
Benzyl chloride	ND	17	ND	86

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 001 **Work Order #** MMN341AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	8.3	ND	62
Hexachlorobutadiene	ND	8.3	ND	89

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092611.b/mmn341ad.d
Report Date: 27-Sep-2011 10:16

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092611.b/mmn341ad.d
Lab Smp Id: MMN341AD Client Smp ID: SV-8-24SA-092111
Inj Date : 26-SEP-2011 15:02
Operator : 7126 Inst ID: mj.i
Smp Info : ,104.33,0,,,
Misc Info : J092611,TO15,meritnj.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092611.b/TO15.m
Meth Date : 26-Sep-2011 17:00 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 1
Dil Factor: 104.33000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	104.33000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.227	9.219	(1.000)	430244	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.400	11.397	(1.000)	2239840	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.096	16.094	(1.000)	1968427	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	17.721	17.724	(1.101)	1427178	3.81973	3.820
56 Trichloroethene	130	12.110	12.107	(1.062)	3355255	12.7454	1330

Data File: /var/chem/gcms/mj.i/J092611.b/mmn341ad.d
Report Date: 27-Sep-2011 10:16

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: mmn341ad.d
Lab Smp Id: MMN341AD
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,meritnj.sub,,,

Calibration Date: 26-SEP-2011
Calibration Time: 09:20
Client Smp ID: SV-8-24SA-092111
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	490052	291581	688523	430244	-12.20
2 1,4-Difluorobenze	2267296	1349041	3185551	2239840	-1.21
3 Chlorobenzene-d5	2076574	1235562	2917586	1968427	-5.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.23	0.09
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.02
3 Chlorobenzene-d5	16.09	15.76	16.42	16.10	0.02

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092611.b/mmn341ad.d
Report Date: 27-Sep-2011 10:16

TestAmerica Knoxville

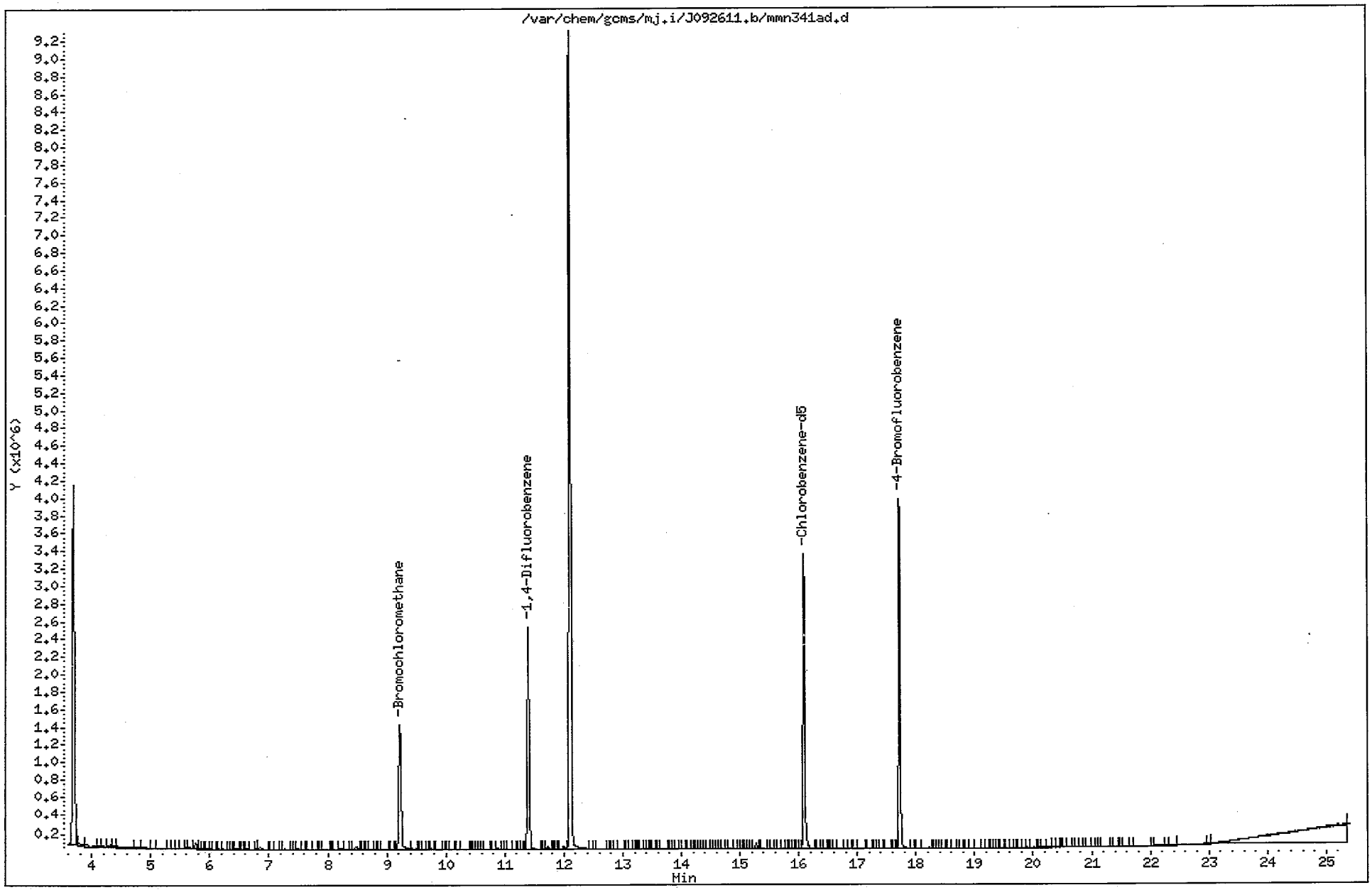
RECOVERY REPORT

Client Name: Merit Laboratories
Client SDG: H1I230466
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMN341AD
Client Smp ID: SV-8-24SA-092111
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,meritnj.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.820	95.49	70-130

Data File: /var/chem/gcms/mj.i/J092611.b/mmn341ad.d
Date : 26-SEP-2011 15:02
Client ID: SV-8-24SA-092111
Sample Info: ,104.33,0,,,
Purge Volume: 500.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J092611.b/mmn341ad.d

Date : 26-SEP-2011 15:02

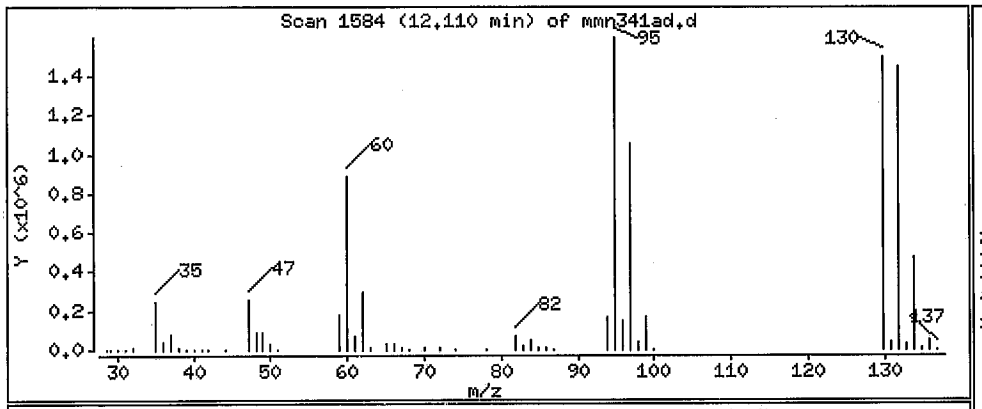
Client ID: SV-8-24SA-092111 Instrument: mj.i

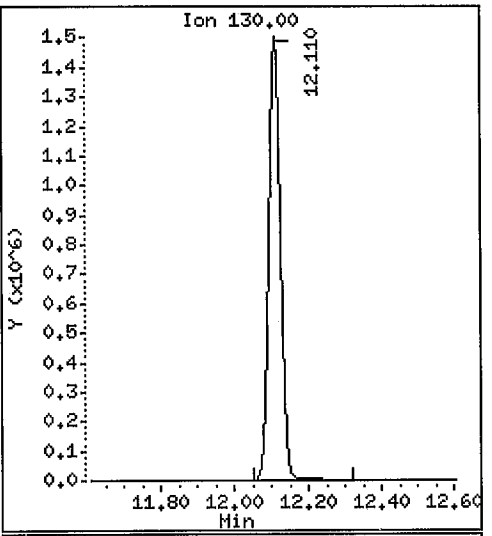
Sample Info: ,104.33,0,,,

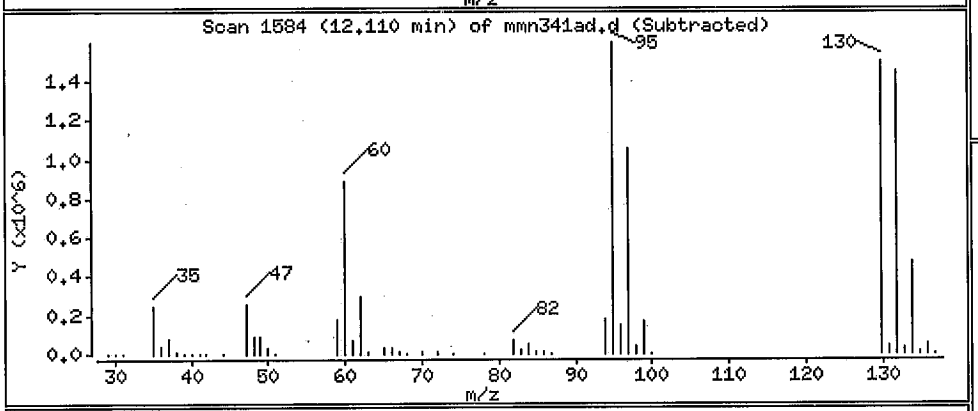
Purge Volume: 500.0 Operator: 7126

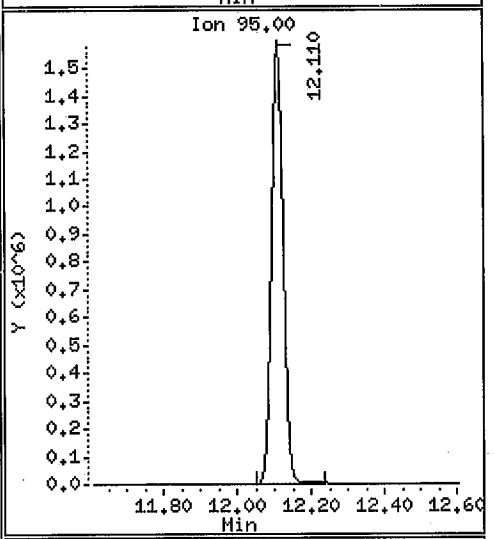
Column phase: Rtx-5 Column diameter: 0.32

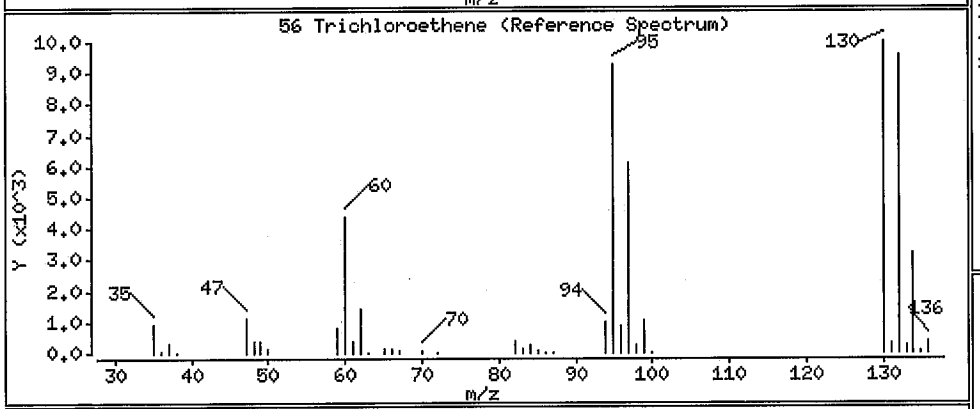
56 Trichloroethene Concentration: 1330 ppb(v/v)

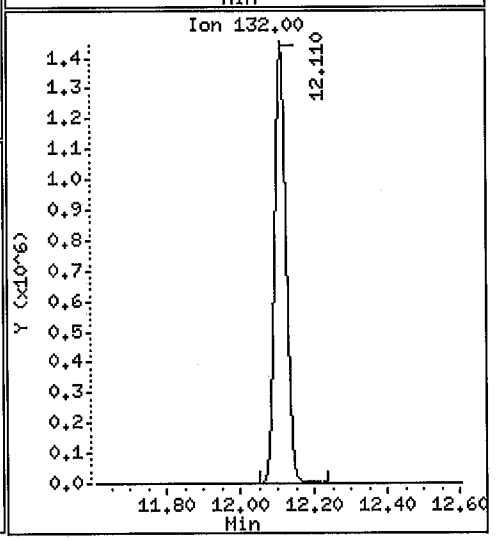


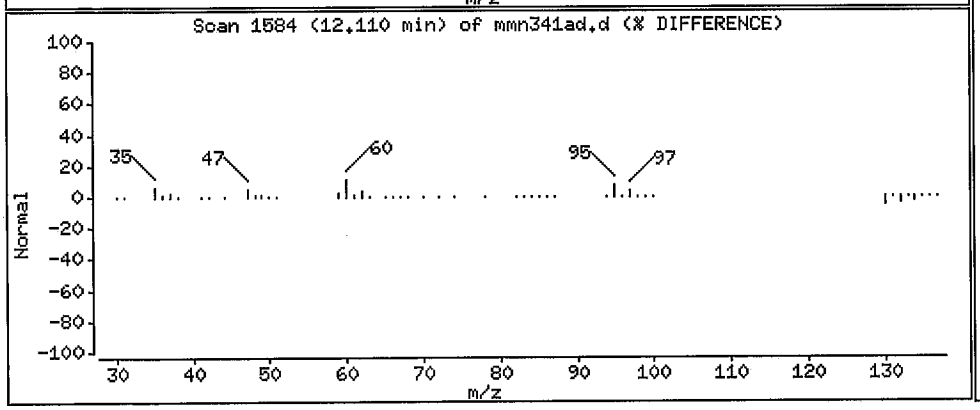












Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 002 **Work Order #** MMN351AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/27/2011 **Analysis Date...** 09/27/2011
Prep Batch #.....: 1270165
Dilution Factor.: 9.94 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.85**	**0.80**	**2.7**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.6**	**0.80**	**6.0**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	**0.94**	**0.80**	**6.4**	**5.4**
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 002 **Work Order #** MMN351AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/mmn351ad.d
Lab Smp Id: MMN351AD Client Smp ID: SV-9-24SA-092111
Inj Date : 27-SEP-2011 20:00
Operator : 7126 Inst ID: mj.i
Smp Info : ,9.94,0,,,
Misc Info : J092711,TO15,meritnj.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 28-Sep-2011 13:45 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 10
Dil Factor: 9.94000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	9.94000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.230	9.217	(1.000)	449020	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.404	11.396	(1.000)	2180529	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.095	16.092	(1.000)	1880793	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	17.719	17.722	(1.101)	1420166	3.97806	3.978
48 Benzene	78	10.877	10.874	(0.954)	46446	0.08585	0.8533
65 Toluene	91	14.136	14.134	(0.878)	77219	0.16095	1.600
73 Tetrachloroethene	129	15.277	15.275	(0.949)	19035	0.09482	0.9426

Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: mmn351ad.d
Lab Smp Id: MMN351AD
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: SV-9-24SA-092111
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	449020	11.21
2 1,4-Difluorobenze	1919659	1142197	2697121	2180529	13.59
3 Chlorobenzene-d5	1768604	1052319	2484889	1880793	6.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.23	0.14
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.07
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.01

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d
Report Date: 28-Sep-2011 13:47

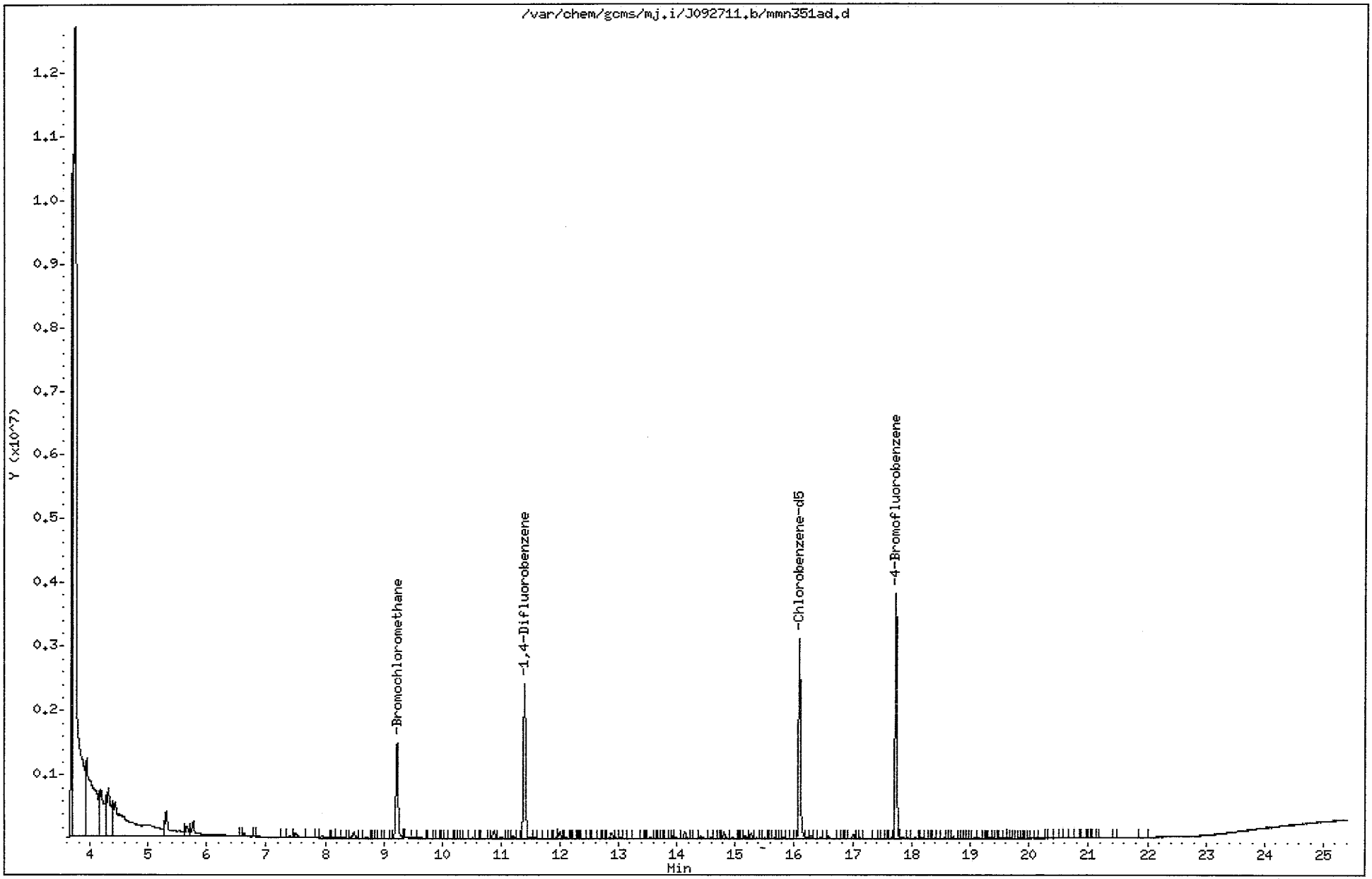
TestAmerica Knoxville

RECOVERY REPORT

Client Name: Merit Laboratories
Client SDG: H1I230466
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMN351AD
Client Smp ID: SV-9-24SA-092111
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.978	99.45	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d
Date : 27-SEP-2011 20:00
Client ID: SV-9-24SA-092111
Instrument: mj.i
Sample Info: ,9.94,0,,,
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d

Date : 27-SEP-2011 20:00

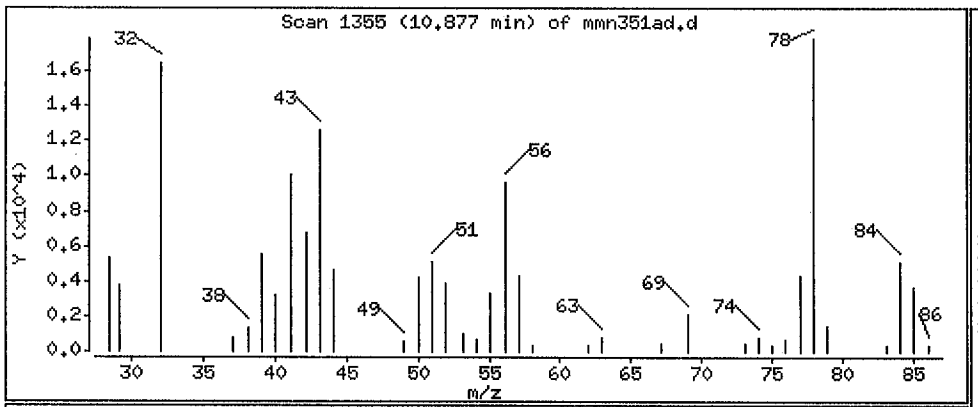
Client ID: SV-9-24SA-092111 Instrument: mj.i

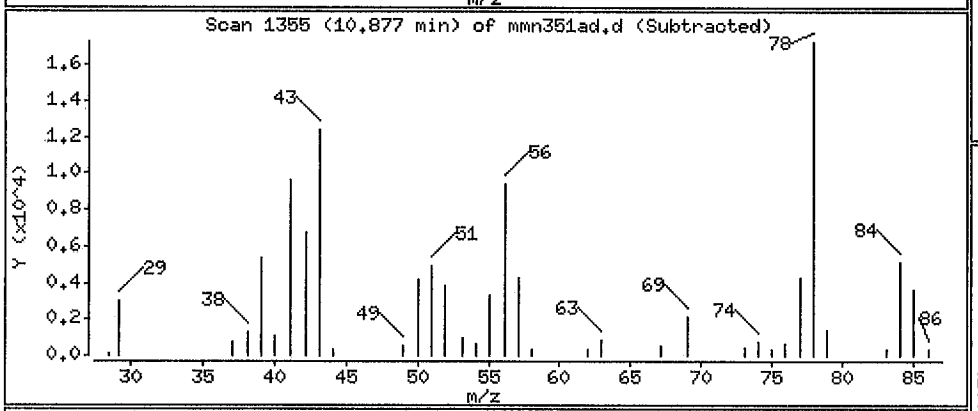
Sample Info: ,9,94,0,,,

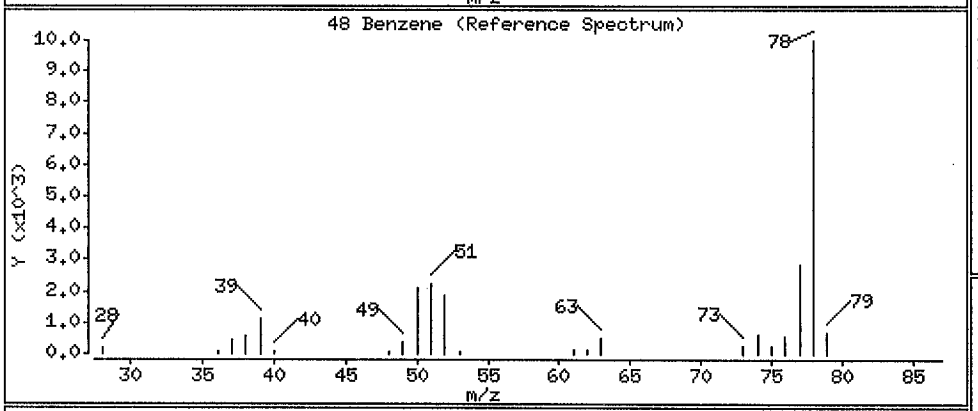
Purge Volume: 500.0 Operator: 7126

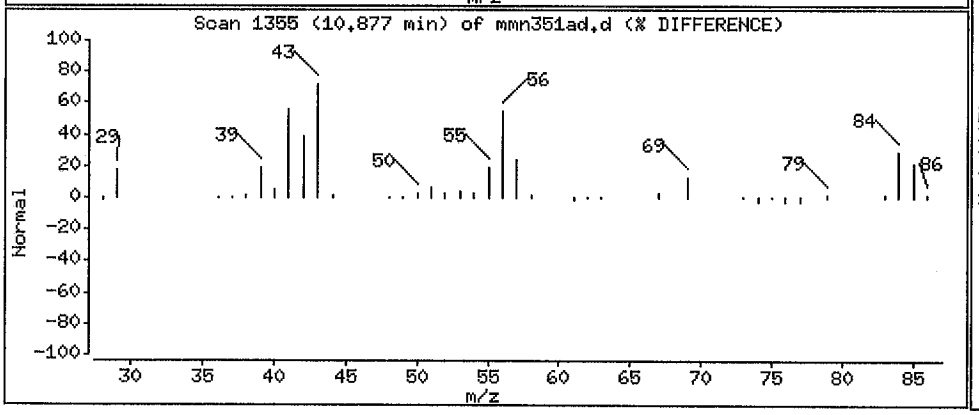
Column phase: Rtx-5 Column diameter: 0.32

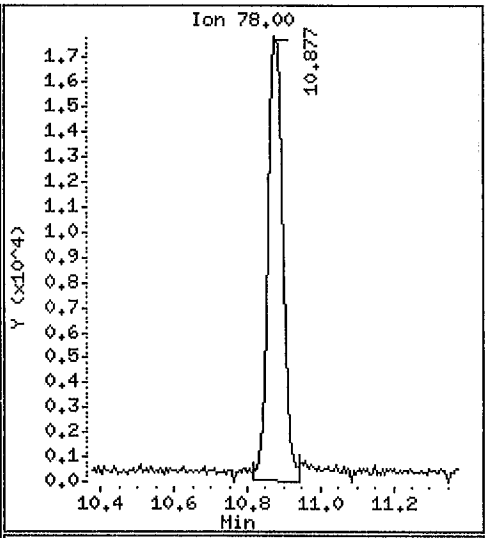
48 Benzene Concentration: 0.8533 ppb(v/v)

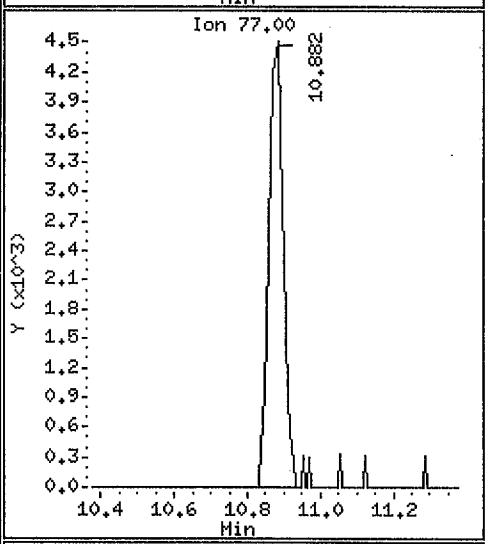


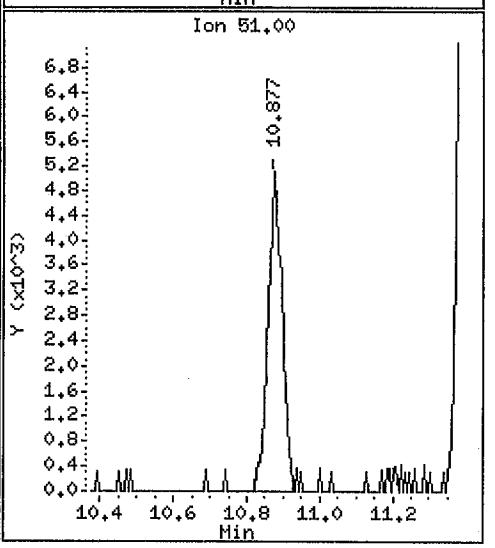












Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d

Date : 27-SEP-2011 20:00

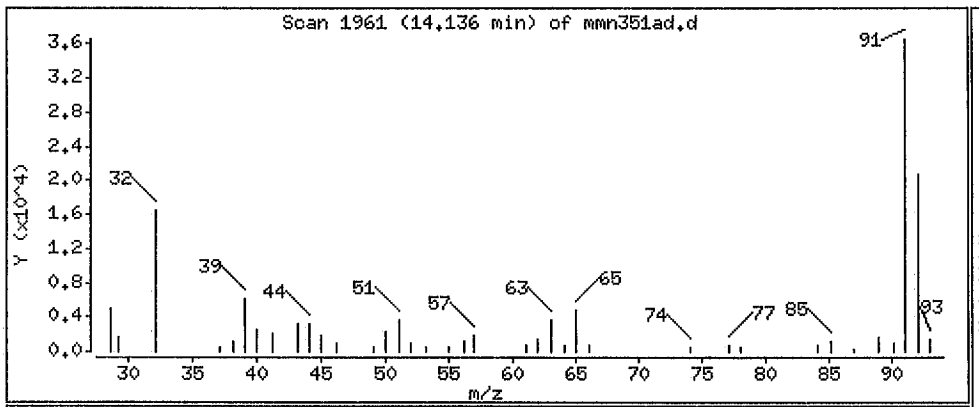
Client ID: SV-9-24SA-092111 Instrument: mj.i

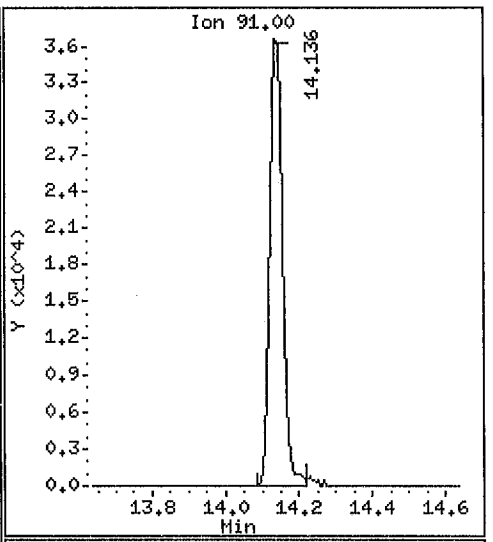
Sample Info: ,9.94,0,,,

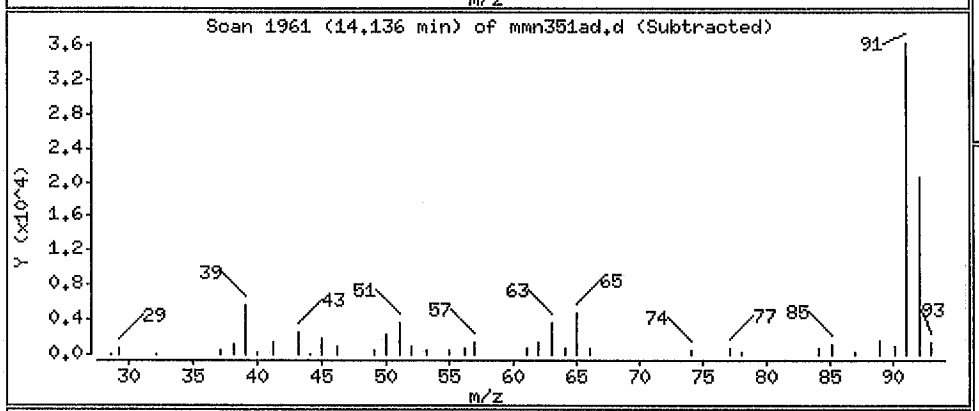
Purge Volume: 500.0 Operator: 7126

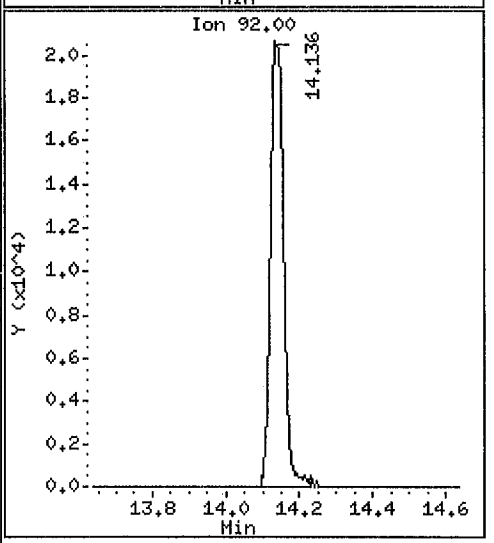
Column phase: Rtx-5 Column diameter: 0.32

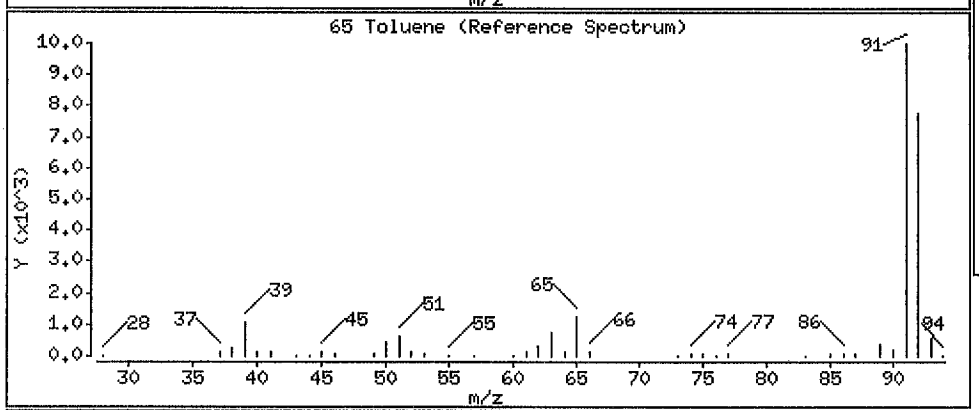
65 Toluene Concentration: 1.600 ppb(v/v)

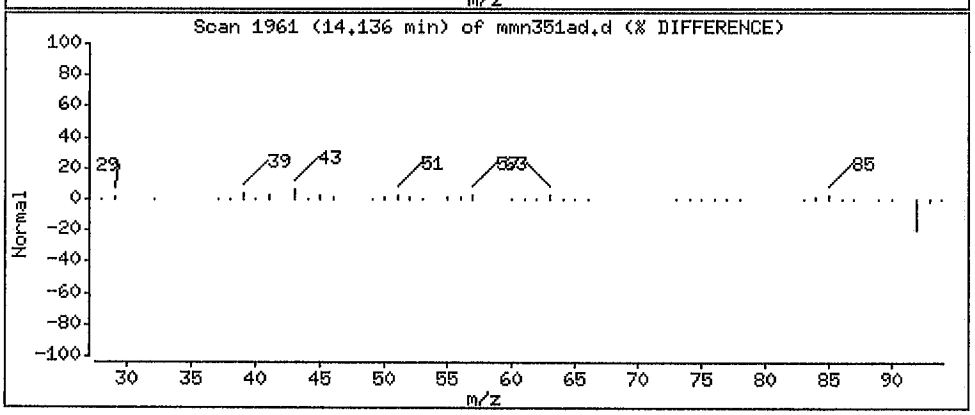












Data File: /var/chem/gcms/mj.i/J092711.b/mmn351ad.d

Date : 27-SEP-2011 20:00

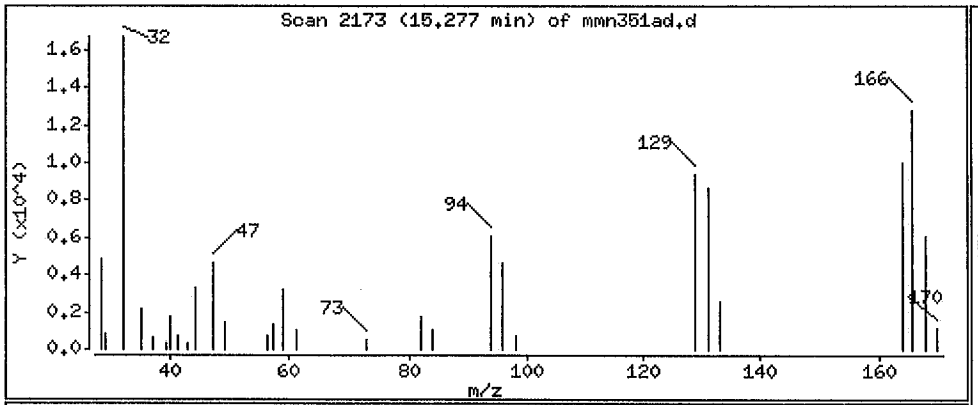
Client ID: SV-9-24SA-092111 Instrument: mj.i

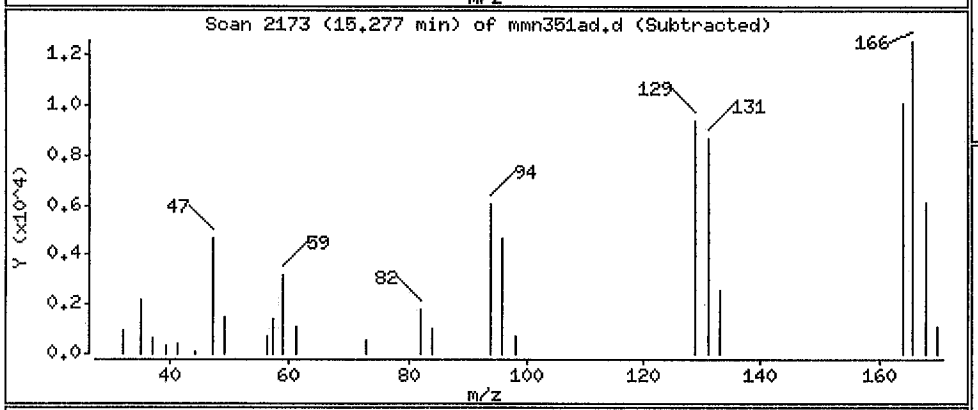
Sample Info: ,9.94,0,,,

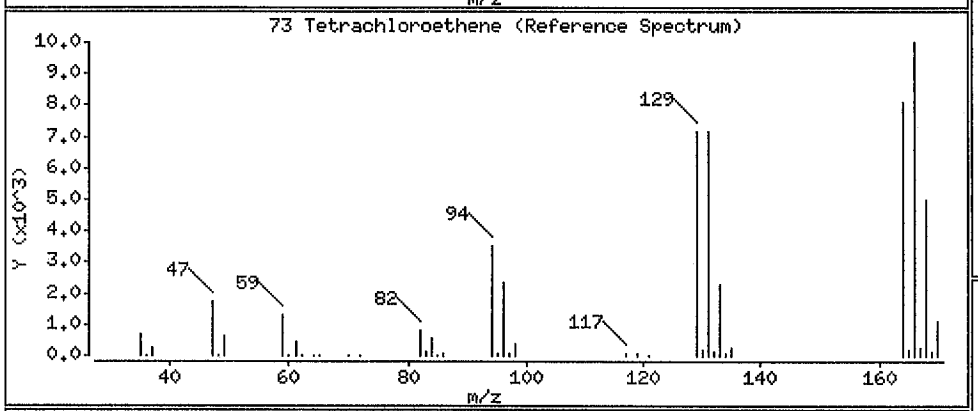
Purge Volume: 500.0 Operator: 7126

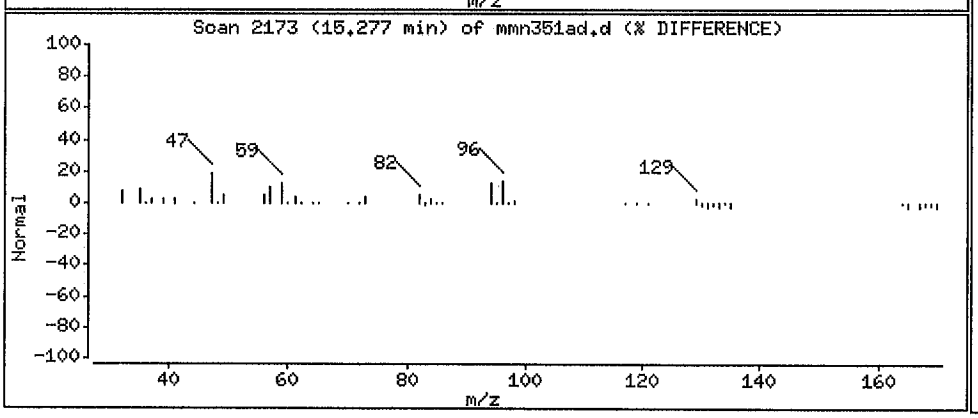
Column phase: Rtx-5 Column diameter: 0.32

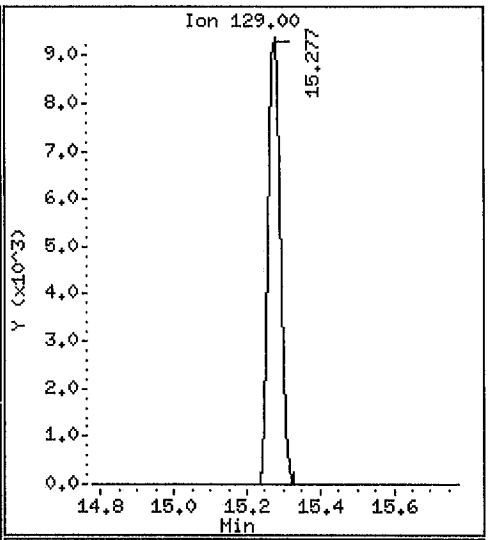
73 Tetrachloroethene Concentration: 0.9426 ppb(v/v)

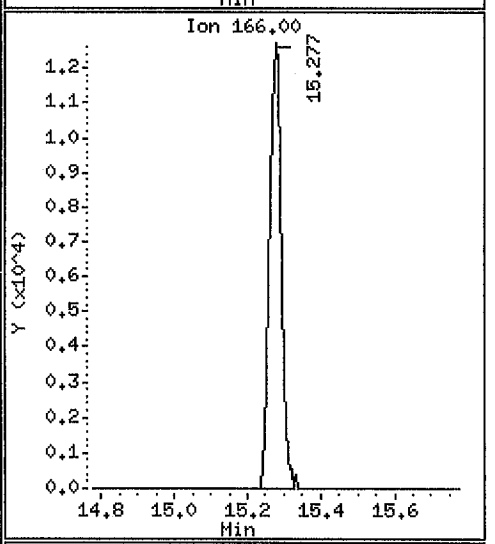


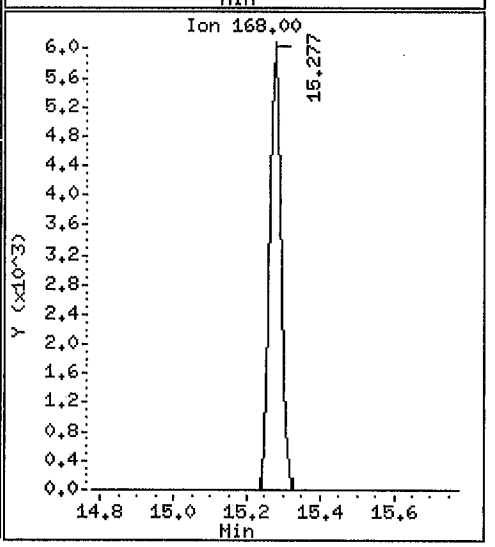












Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 003 **Work Order #** MMN361AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/27/2011 **Analysis Date...** 09/27/2011
Prep Batch #.....: 1270165
Dilution Factor.: 10 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**1.4**	**0.80**	**4.5**	**2.6**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**2.0**	**0.80**	**7.4**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	**0.98**	**0.80**	**4.2**	**3.5**
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.3

Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 003 **Work Order #** MMN361AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/mmn361ad.d
Lab Smp Id: MMN361AD Client Smp ID: SV-10-24SA-092111
Inj Date : 27-SEP-2011 20:53
Operator : 7126 Inst ID: mj.i
Smp Info : ,10,0,,,
Misc Info : J092711,TO15,meritnj.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 28-Sep-2011 13:45 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 11
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1	Bromochloromethane	128	9.218	9.217	(1.000)	424233	4.00000	4.000
*	2	1,4-Difluorobenzene	114	11.392	11.396	(1.000)	2063598	4.00000	4.000
*	3	Chlorobenzene-d5	117	16.093	16.092	(1.000)	1816955	4.00000	4.000
$	4	4-Bromofluorobenzene	95	17.718	17.722	(1.101)	1387971	4.02448	4.024
	48	Benzene	78	10.870	10.874	(0.954)	71381	0.13941	1.394
	65	Toluene	91	14.135	14.134	(0.878)	91217	0.19681	1.968
	78	m&p-Xylene	91	16.583	16.587	(1.030)	39556	0.09755	0.9755
M	83	Xylene (total)	100				39556	0.09755	0.9755

Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: mmn361ad.d
Lab Smp Id: MMN361AD
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: SV-10-24SA-092111
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	424233	5.07
2 1,4-Difluorobenze	1919659	1142197	2697121	2063598	7.50
3 Chlorobenzene-d5	1768604	1052319	2484889	1816955	2.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.01
2 1,4-Difluorobenze	11.40	11.07	11.73	11.39	-0.04
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.01

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

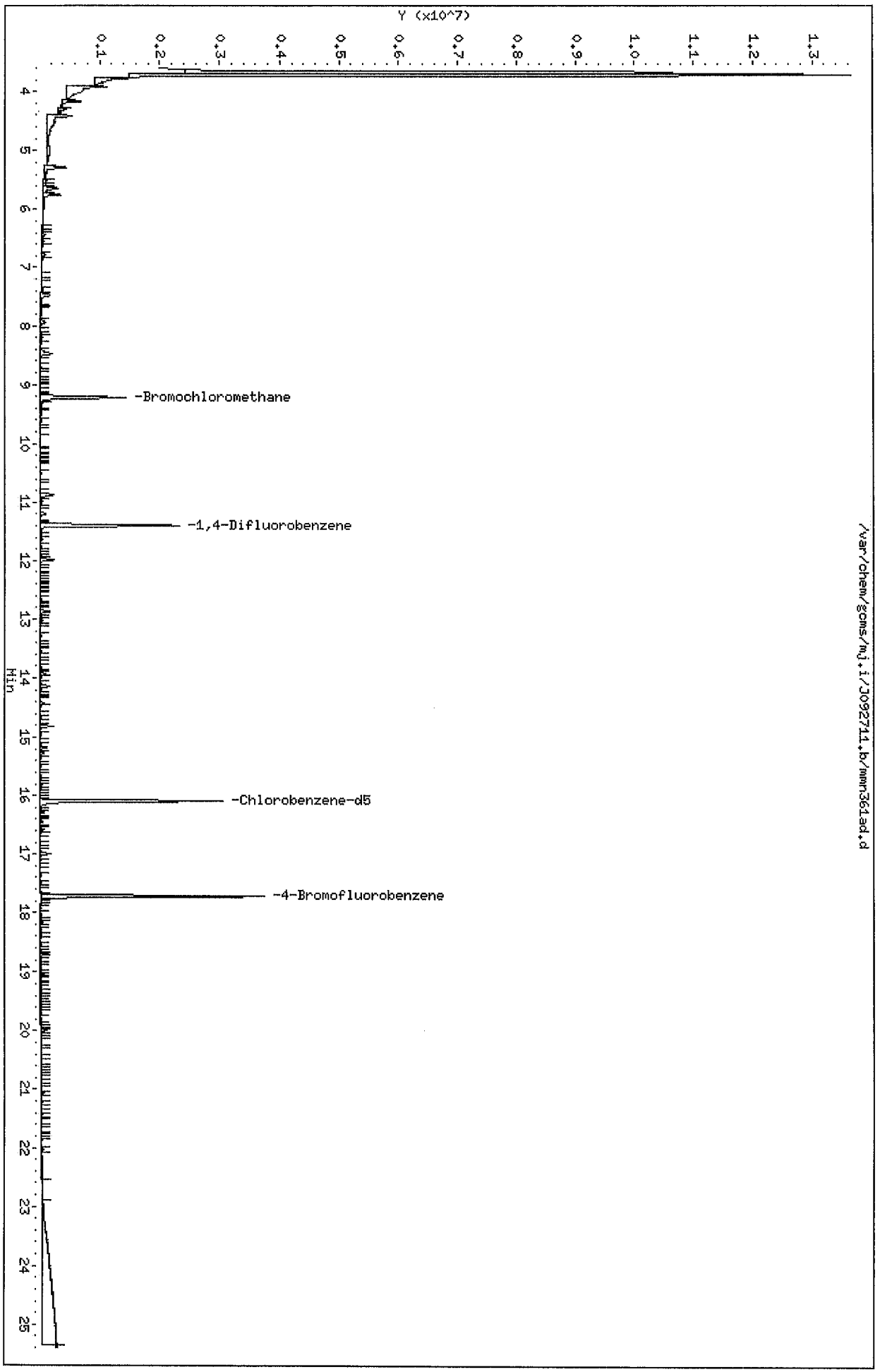
Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

RECOVERY REPORT

Client Name: Merit Laboratories
Client SDG: H1I230466
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMN361AD
Client Smp ID: SV-10-24SA-092111
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.024	100.61	70-130


Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d
Date : 27-SEP-2011 20:53
Client ID: SV-10-2480-092111
Sample Info: ,10,0,,,
Purge Volume: 500.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Min
-Bromochloromethane
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene
/var/chem/gcms/mj.i/J092711.b/mmn361ad.d

Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d

Date : 27-SEP-2011 20:53

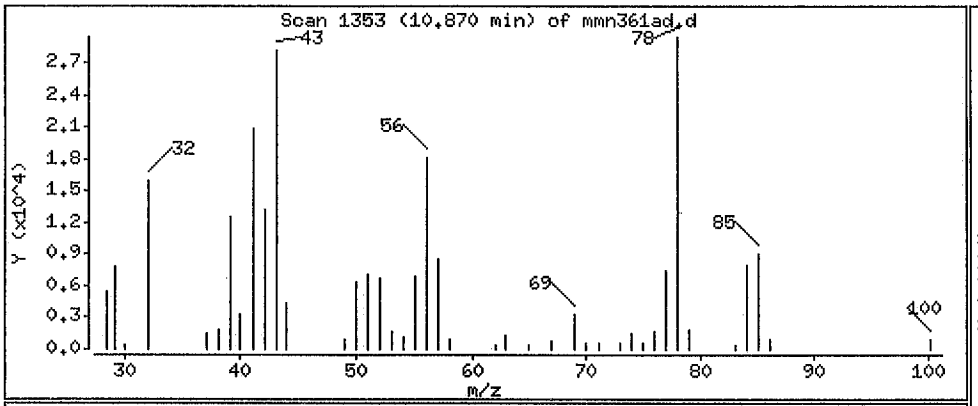
Client ID: SV-10-24SA-092111 Instrument: mj.i

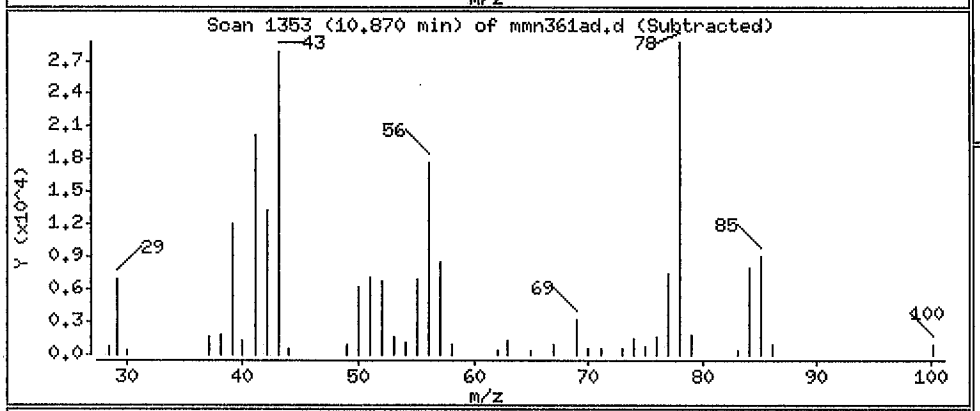
Sample Info: ,10,0,,,

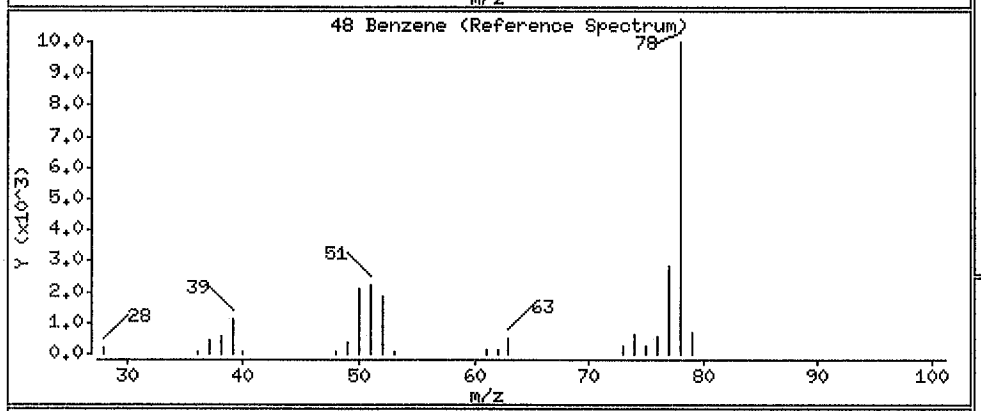
Purge Volume: 500.0 Operator: 7126

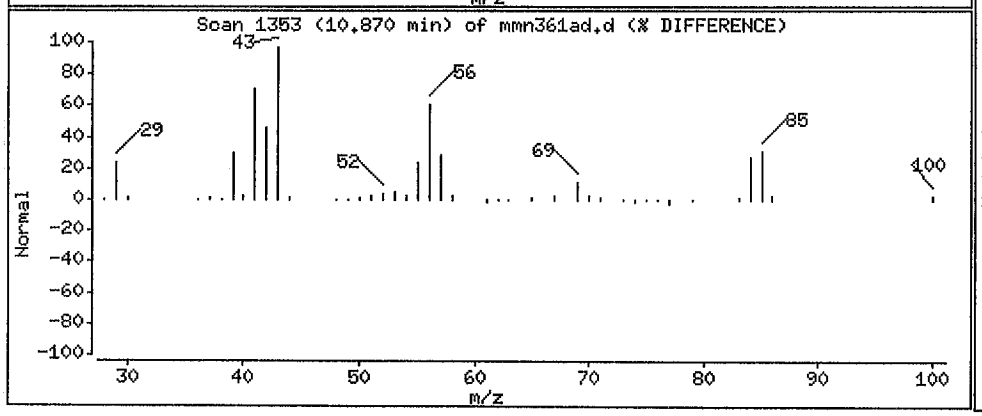
Column phase: Rtx-5 Column diameter: 0.32

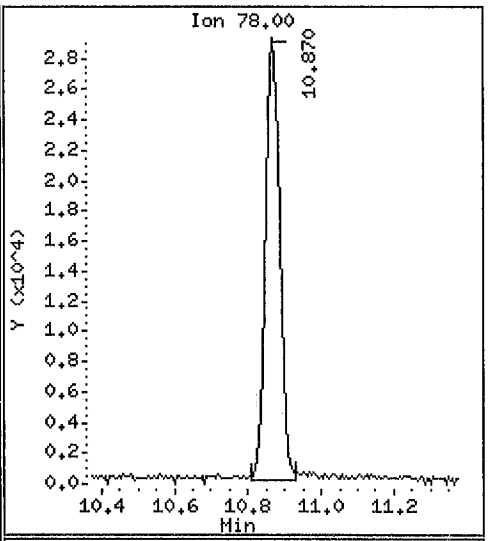
48 Benzene Concentration: 1.394 ppb(v/v)

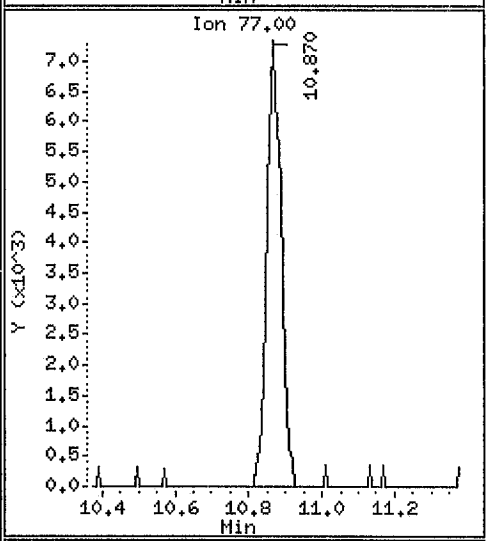


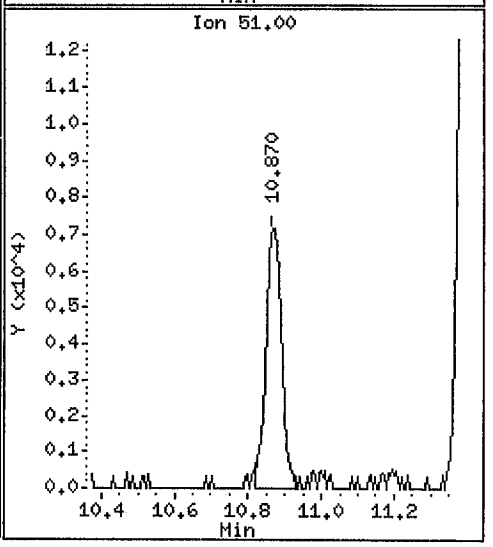












Data File: /var/ohem/goms/mj.i/J092711.b/mmn361ad.d

Date : 27-SEP-2011 20:53

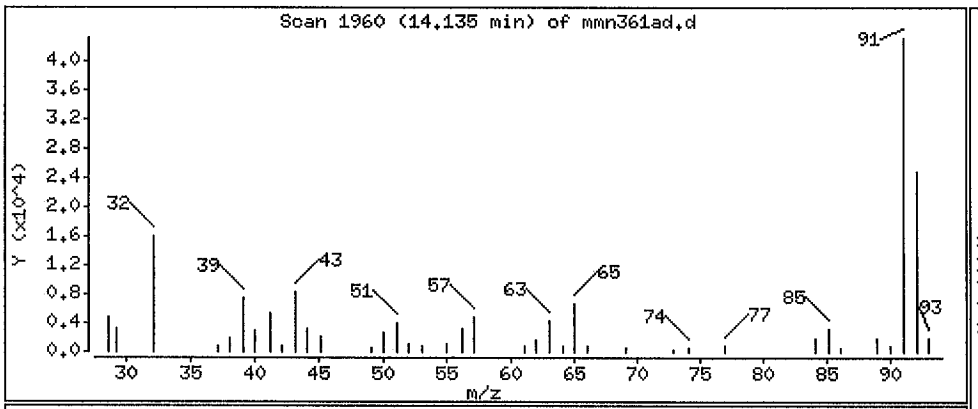
Client ID: SV-10-24SA-092111 Instrument: mj.i

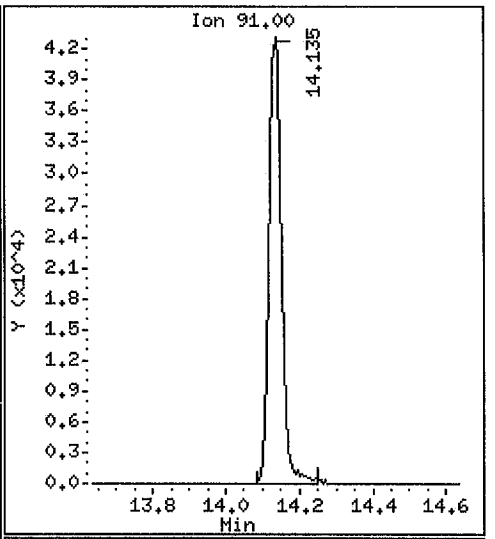
Sample Info: ,10,0,,,

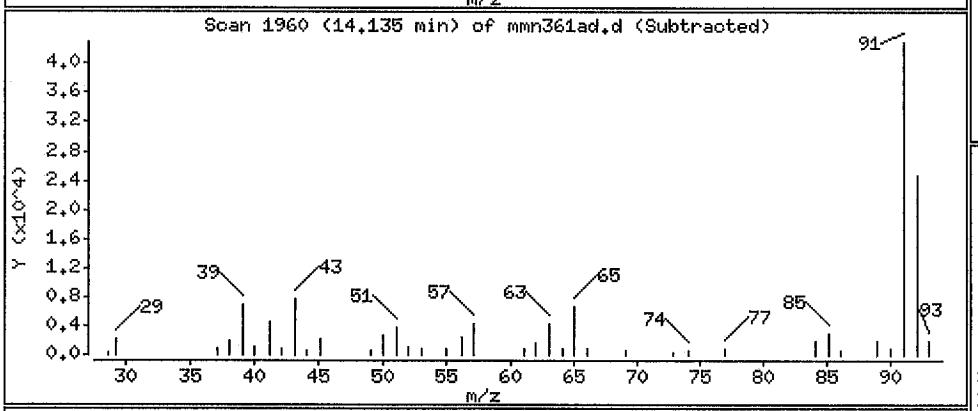
Purge Volume: 500.0 Operator: 7126

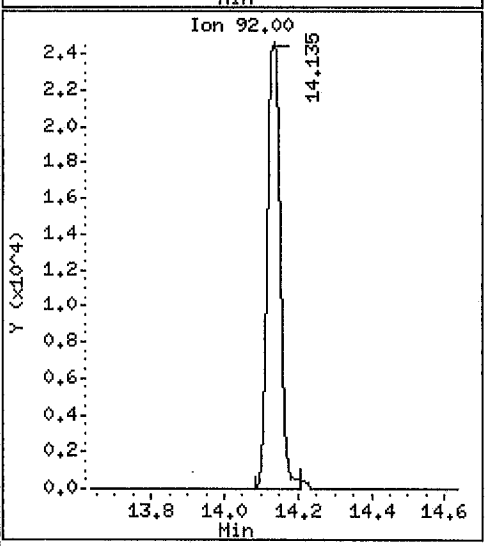
Column phase: Rtx-5 Column diameter: 0.32

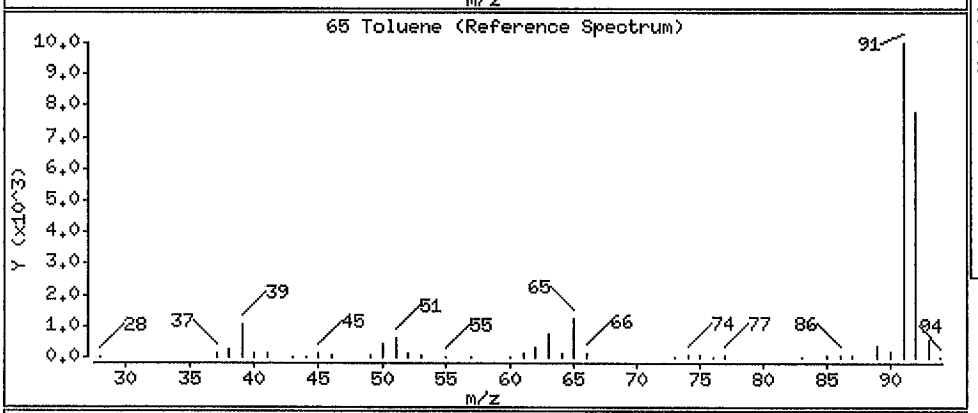
65 Toluene Concentration: 1.968 ppb(v/v)

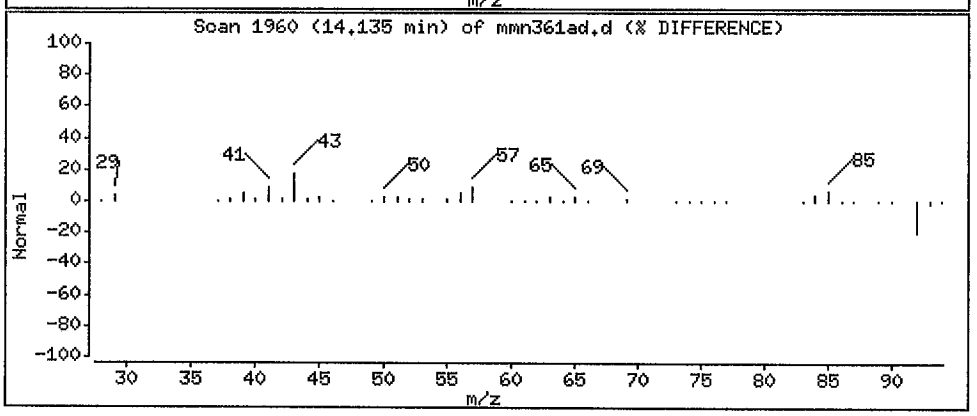












Data File: /var/chem/gcms/mj.i/J092711.b/mmn361ad.d

Date : 27-SEP-2011 20:53

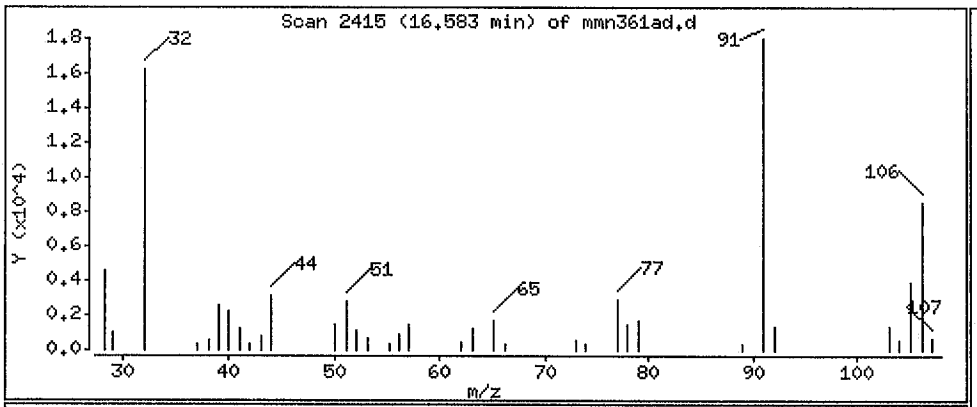
Client ID: SV-10-24SA-092111 Instrument: mj.i

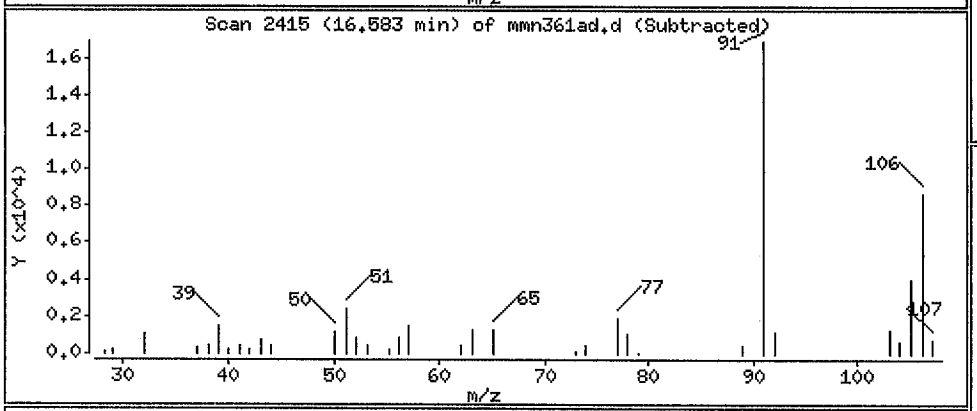
Sample Info: ,10,0,,,

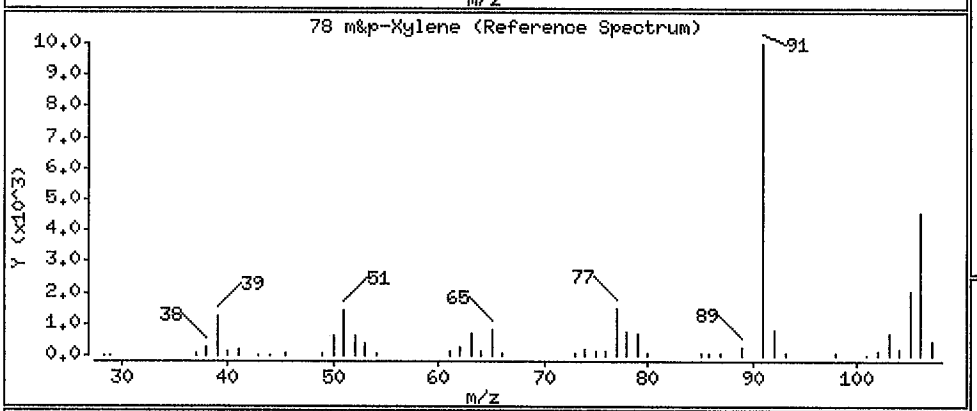
Purge Volume: 500.0 Operator: 7126

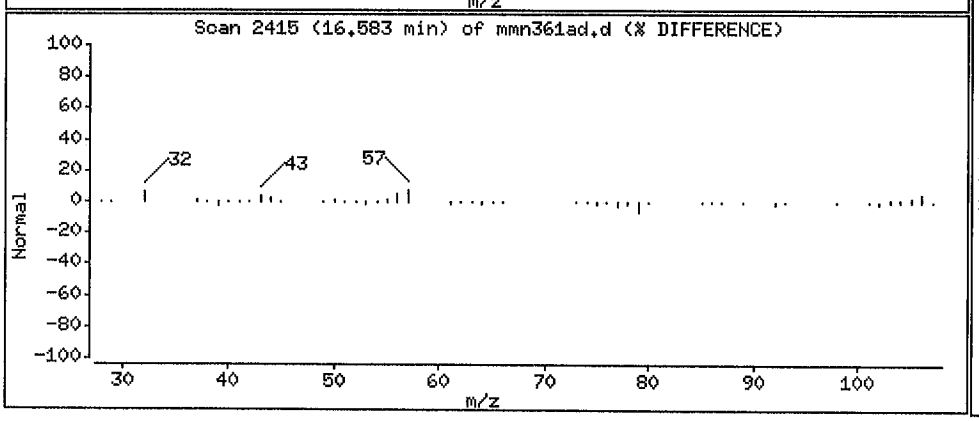
Column phase: Rtx-5 Column diameter: 0.32

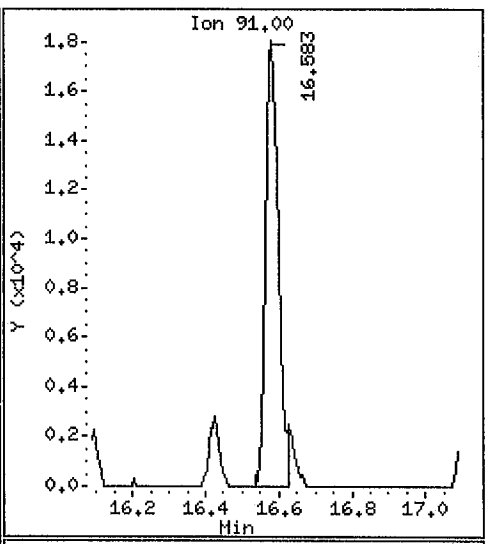
78 m&p-Xylene Concentration: 0.9755 ppb(v/v)

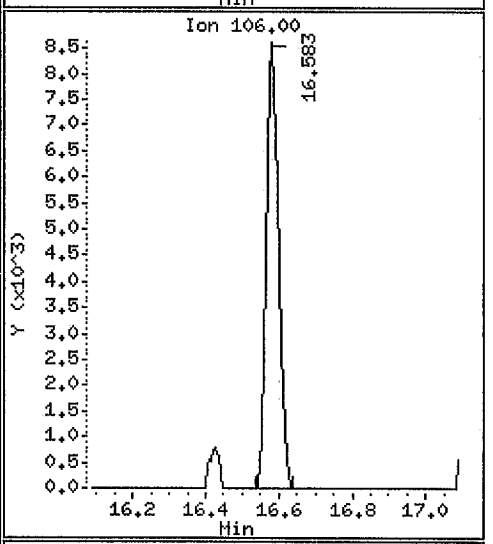


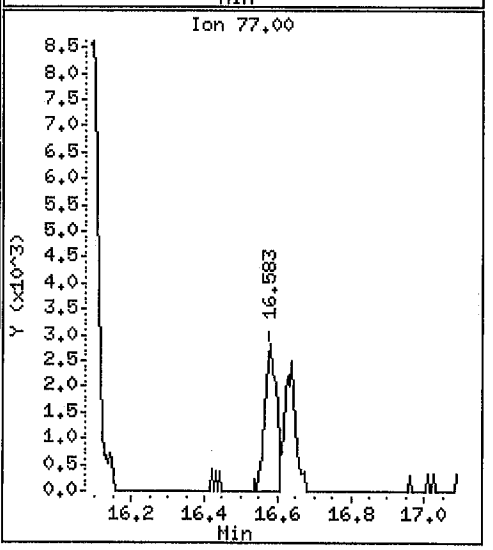












Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 004 **Work Order #** MMN371AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/27/2011 **Analysis Date...** 09/27/2011
Prep Batch #.....: 1270165
Dilution Factor.: 9.95 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	**1.5**	**0.80**	**7.5**	**3.9**
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.88**	**0.80**	**2.8**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.5**	**0.80**	**5.8**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 004 **Work Order #** MMN371AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/mmn371ad.d
Lab Smp Id: MMN371AD Client Smp ID: SV-11-24SA-092111
Inj Date : 27-SEP-2011 21:45
Operator : 7126 Inst ID: mj.i
Smp Info : ,9.95,0,,,
Misc Info : J092711,TO15,meritnj.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 28-Sep-2011 13:45 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 12
Dil Factor: 9.95000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	9.95000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.217	9.217	(1.000)	402953	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.396	11.396	(1.000)	1949614	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.092	16.092	(1.000)	1712717	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	17.722	17.722	(1.101)	1310397	4.03080	4.031
43 Chloroform	83	9.228	9.234	(1.001)	51940	0.15429	1.535
48 Benzene	78	10.863	10.874	(0.953)	42663	0.08819	0.8775
65 Toluene	91	14.134	14.134	(0.878)	67151	0.15370	1.529

Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: mmn371ad.d
Lab Smp Id: MMN371AD
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: SV-11-24SA-092111
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	402953	-0.20
2 1,4-Difluorobenze	1919659	1142197	2697121	1949614	1.56
3 Chlorobenzene-d5	1768604	1052319	2484889	1712717	-3.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.00
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.00
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d
Report Date: 28-Sep-2011 13:47

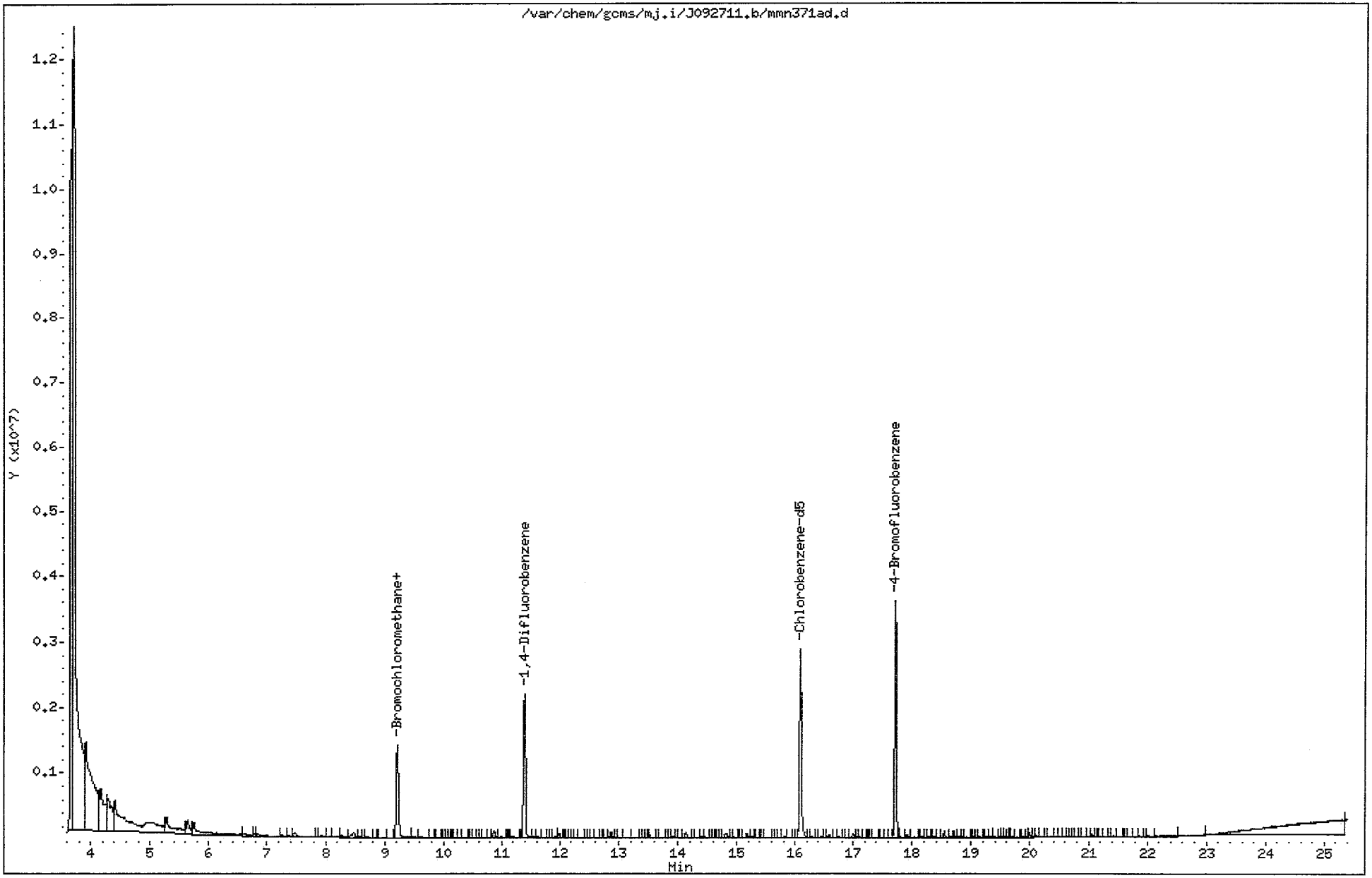
TestAmerica Knoxville

RECOVERY REPORT

Client Name: Merit Laboratories
Client SDG: H1I230466
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMN371AD
Client Smp ID: SV-11-24SA-092111
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.031	100.77	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d
Date : 27-SEP-2011 21:45
Client ID: SV-11-24SA-092111
Instrument: mj.i
Sample Info: ,9.95,0,,,
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/goms/mj.i/J092711.b/mmn371ad.d

Date : 27-SEP-2011 21:45

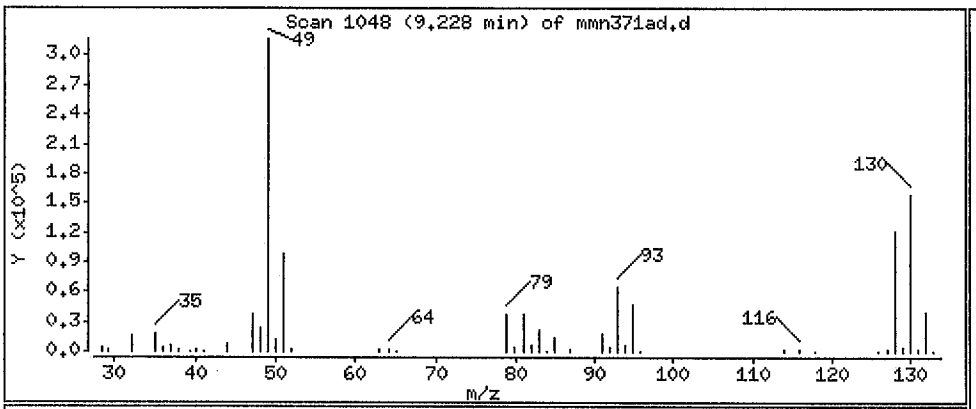
Client ID: SV-11-24SA-092111 Instrument: mj.i

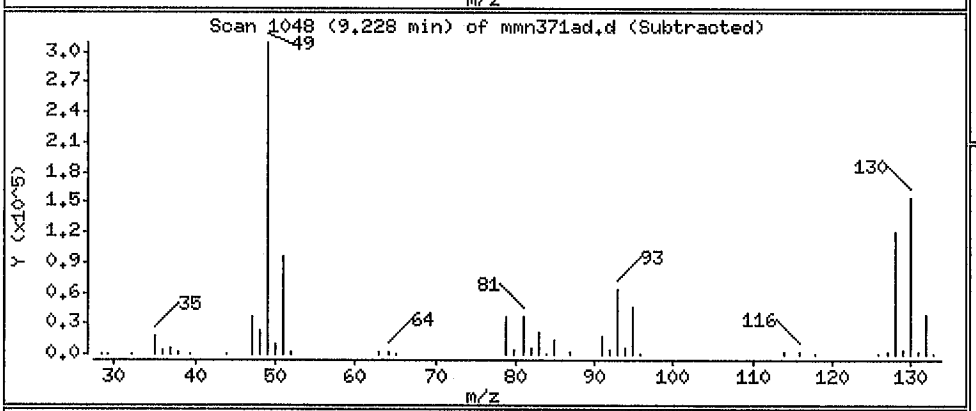
Sample Info: ,9.95,0,,,

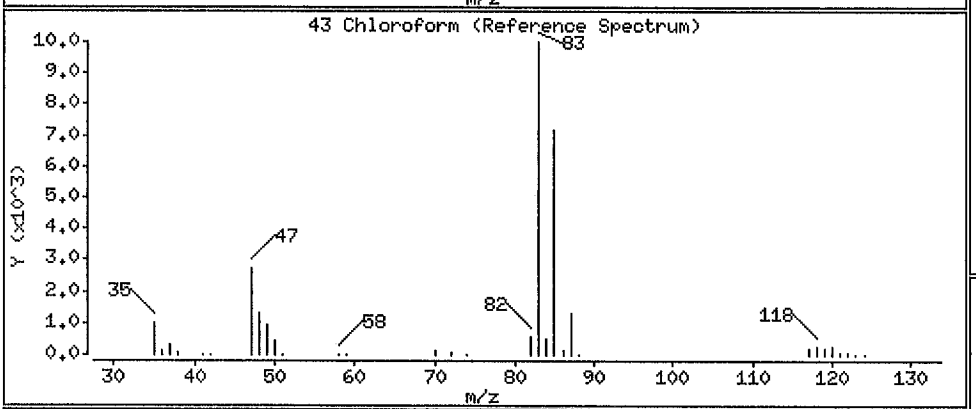
Purge Volume: 500.0 Operator: 7126

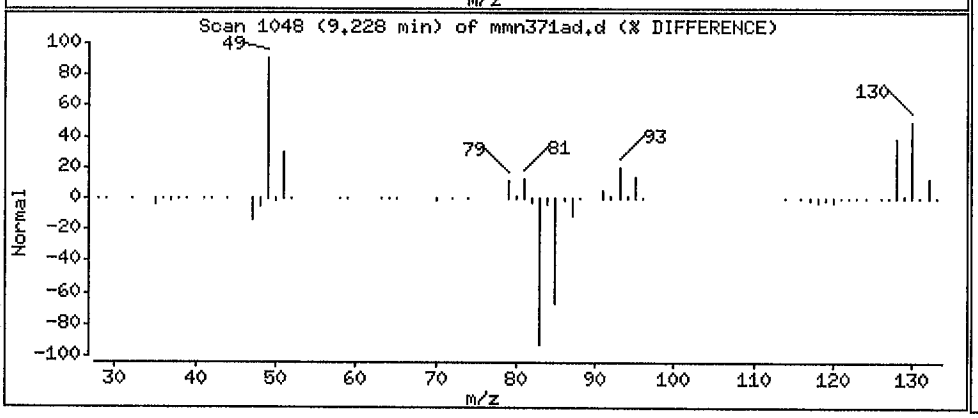
Column phase: Rtx-5 Column diameter: 0.32

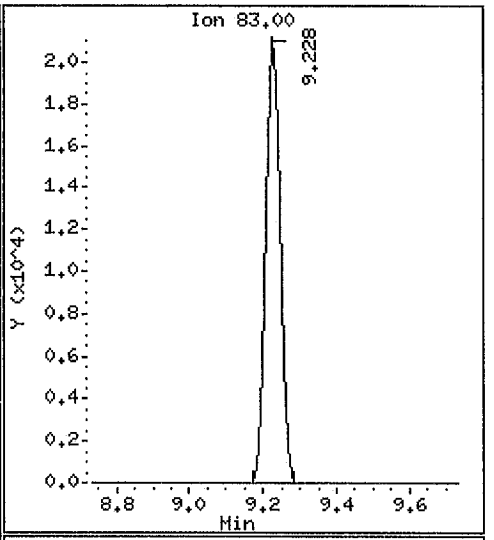
43 Chloroform Concentration: 1.535 ppb(v/v)

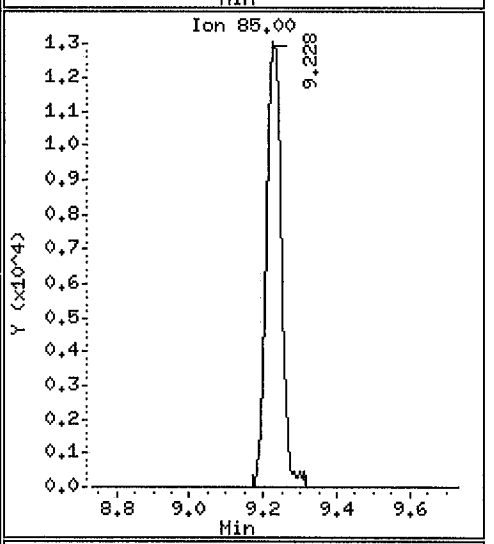


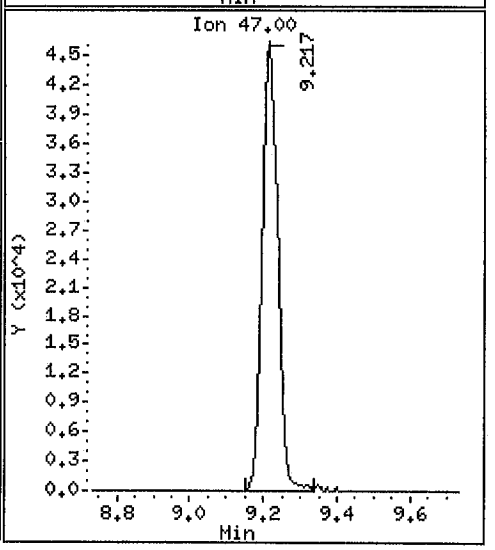












Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d

Date : 27-SEP-2011 21:45

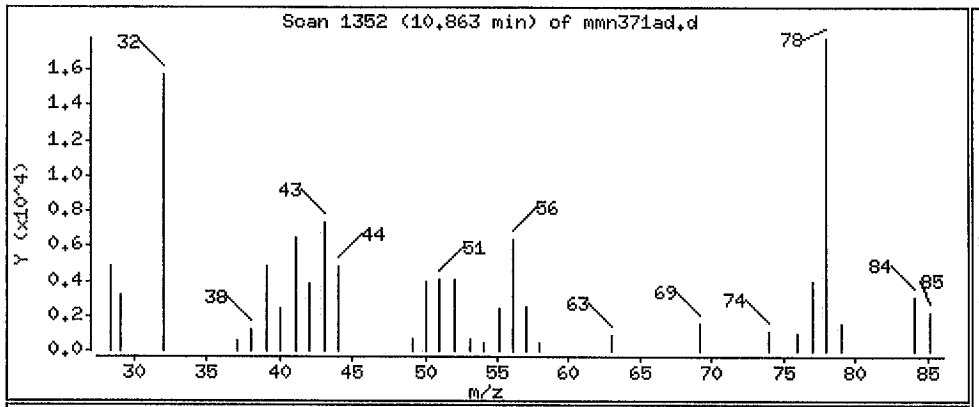
Client ID: SV-11-24SA-092111 Instrument: mj.i

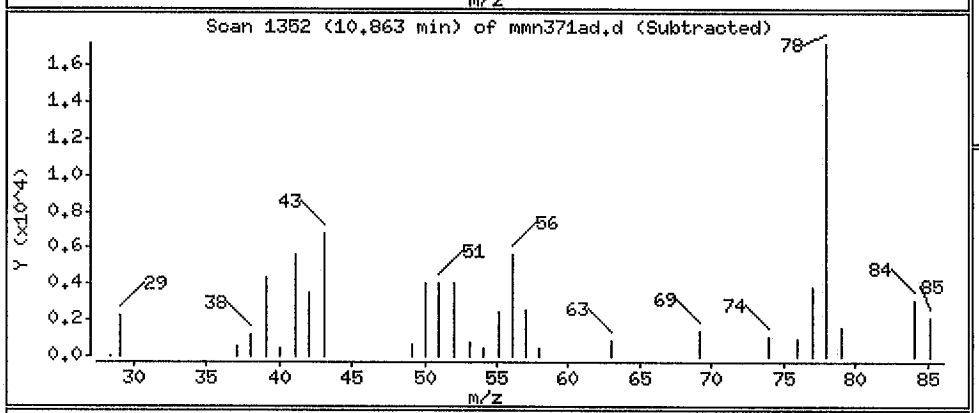
Sample Info: ,9.95,0,,,

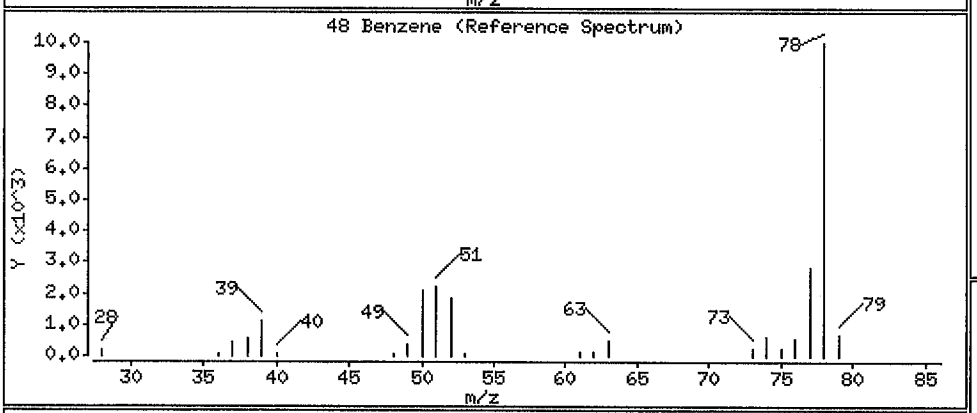
Purge Volume: 500.0 Operator: 7126

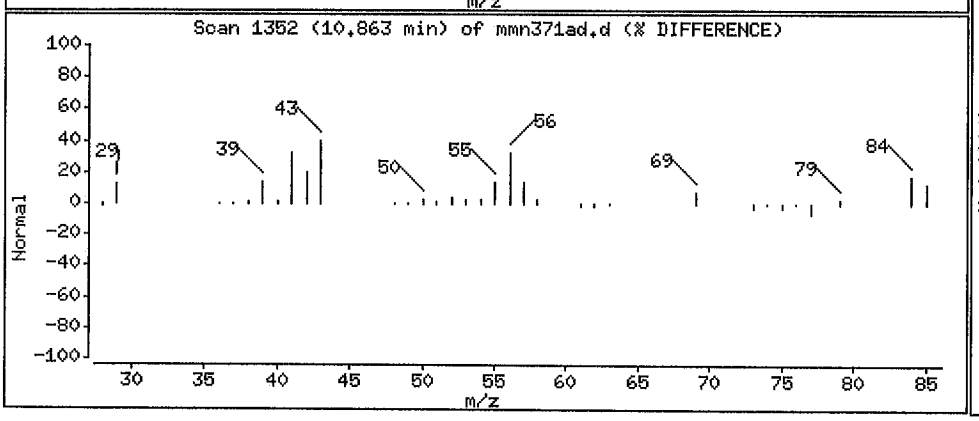
Column phase: Rtx-5 Column diameter: 0.32

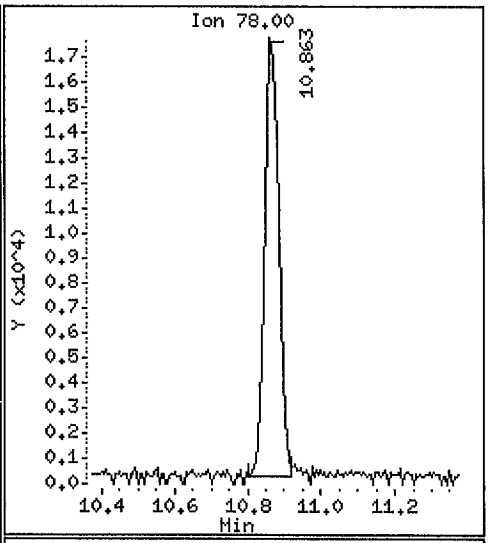
48 Benzene Concentration: 0.8775 ppb(v/v)

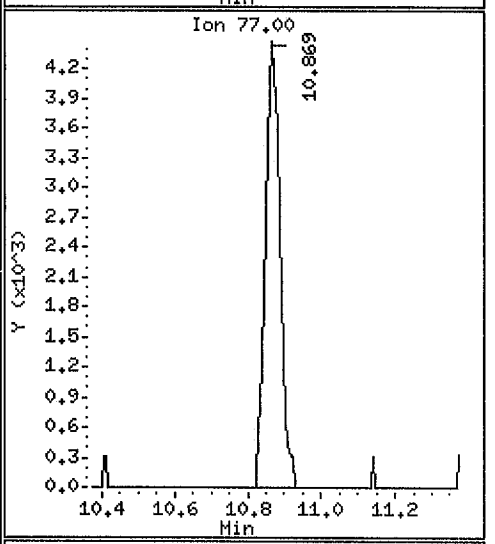


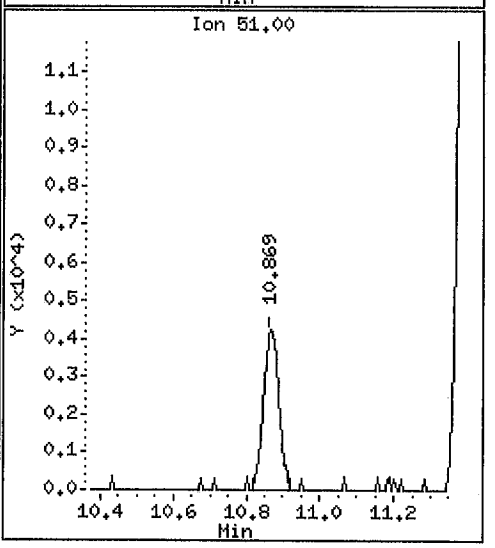












Data File: /var/chem/gcms/mj.i/J092711.b/mmn371ad.d

Date : 27-SEP-2011 21:45

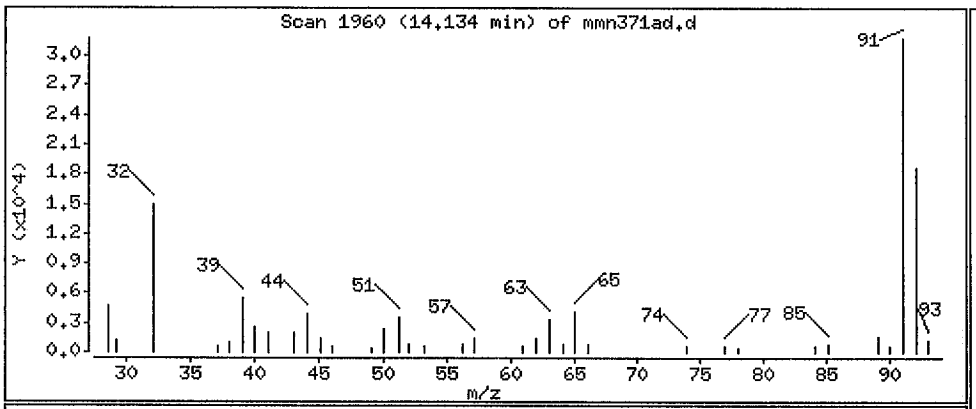
Client ID: SV-11-24SA-092111 Instrument: mj.i

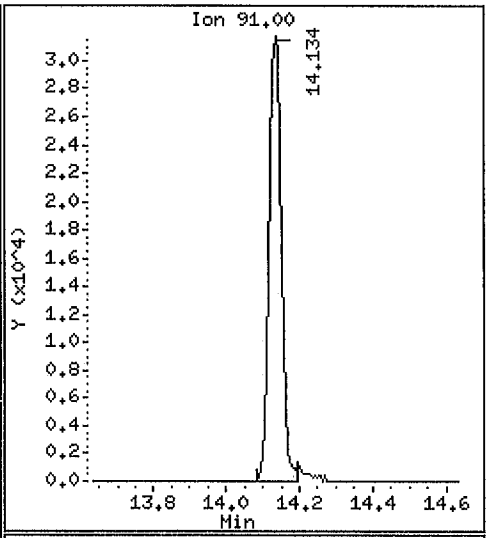
Sample Info: ,9.95,0,,,

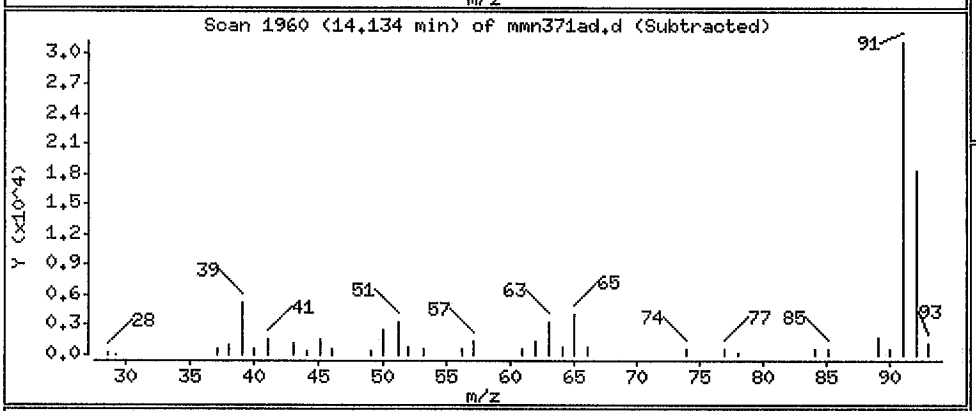
Purge Volume: 500.0 Operator: 7126

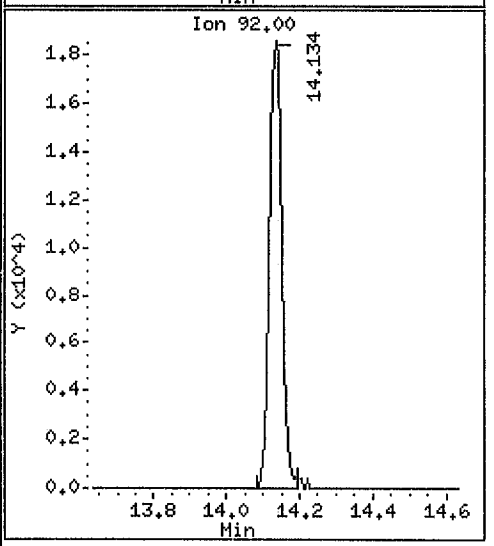
Column phase: Rtx-5 Column diameter: 0.32

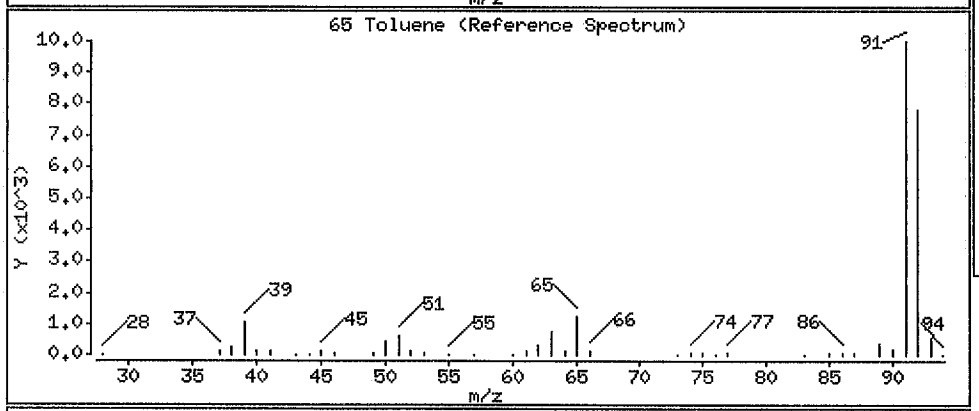
65 Toluene Concentration: 1.529 ppb(v/v)

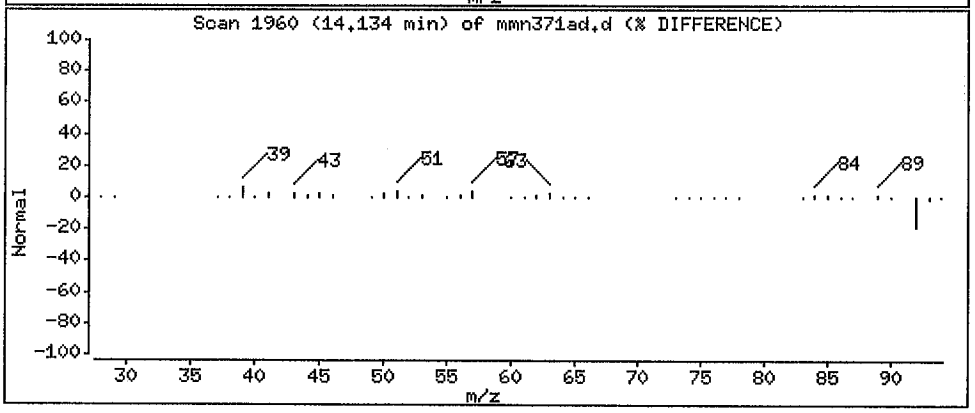












Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 005 **Work Order #** MMN381AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/27/2011 **Analysis Date...** 09/27/2011
Prep Batch #.....: 1270165
Dilution Factor.: 20.1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	1.6	ND	8.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
Chloromethane	ND	4.0	ND	8.3
Vinyl chloride	ND	1.6	ND	4.1
Bromomethane	ND	1.6	ND	6.2
Chloroethane	ND	1.6	ND	4.2
Trichlorofluoromethane	ND	1.6	ND	9.0
1,1-Dichloroethene	ND	1.6	ND	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.6	ND	12
Methylene chloride	ND	4.0	ND	14
1,1-Dichloroethane	ND	1.6	ND	6.5
cis-1,2-Dichloroethene	ND	1.6	ND	6.4
Chloroform	ND	1.6	ND	7.9
1,1,1-Trichloroethane	ND	1.6	ND	8.8
Carbon tetrachloride	ND	1.6	ND	10
Benzene	ND	1.6	ND	5.1
1,2-Dichloroethane	ND	1.6	ND	6.5
Trichloroethene	ND	0.80	ND	4.3
1,2-Dichloropropane	ND	1.6	ND	7.4
cis-1,3-Dichloropropene	ND	1.6	ND	7.3
Toluene	**2.2**	**1.6**	**8.4**	**6.1**
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
1,1,2-Trichloroethane	ND	1.6	ND	8.8
Tetrachloroethene	ND	1.6	ND	11
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
Chlorobenzene	ND	1.6	ND	7.4
Ethylbenzene	ND	1.6	ND	7.0
m-Xylene & p-Xylene	**2.5**	**1.6**	**11**	**7.0**
o-Xylene	ND	1.6	ND	7.0
Styrene	ND	1.6	ND	6.8
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
1,3,5-Trimethylbenzene	**14**	**1.6**	**67**	**7.9**
1,2,4-Trimethylbenzene	**29**	**1.6**	**140**	**7.9**
1,3-Dichlorobenzene	ND	1.6	ND	9.7
1,4-Dichlorobenzene	ND	1.6	ND	9.7
1,2-Dichlorobenzene	ND	1.6	ND	9.7
Benzyl chloride	ND	3.2	ND	17

Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 005 **Work Order #** MMN381AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	1.6	ND	12
Hexachlorobutadiene	ND	1.6	ND	17

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	120	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/mmn381ad.d
Lab Smp Id: MMN381AD Client Smp ID: SV-12-24SA-092111
Inj Date : 27-SEP-2011 22:38
Operator : 7126 Inst ID: mj.i
Smp Info : ,20.1,0,,,
Misc Info : J092711,TO15,meritnj.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 28-Sep-2011 13:45 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 13
Dil Factor: 20.10000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	20.10000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.218	9.217	(1.000)	402057	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.397	11.396	(1.000)	1891151	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.093	16.092	(1.000)	1731651	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.718	17.722	(1.101)	1578106	4.80120	4.801
	65 Toluene	91	14.135	14.134	(0.878)	49144	0.11125	2.236
	78 m&p-Xylene	91	16.588	16.587	(1.031)	48590	0.12574	2.527
M	83 Xylene (total)	100				48590	0.12574	2.527
	90 1,3,5-Trimethylbenzene	120	18.433	18.432	(1.145)	153606	0.67704	13.61
	94 1,2,4-Trimethylbenzene	105	18.858	18.857	(1.172)	561166	1.43486	28.84

Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d
Report Date: 28-Sep-2011 13:47

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: mmn381ad.d
Lab Smp Id: MMN381AD
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: SV-12-24SA-092111
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	402057	-0.42
2 1,4-Difluorobenze	1919659	1142197	2697121	1891151	-1.49
3 Chlorobenzene-d5	1768604	1052319	2484889	1731651	-2.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.01
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.01
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d
Report Date: 28-Sep-2011 13:47

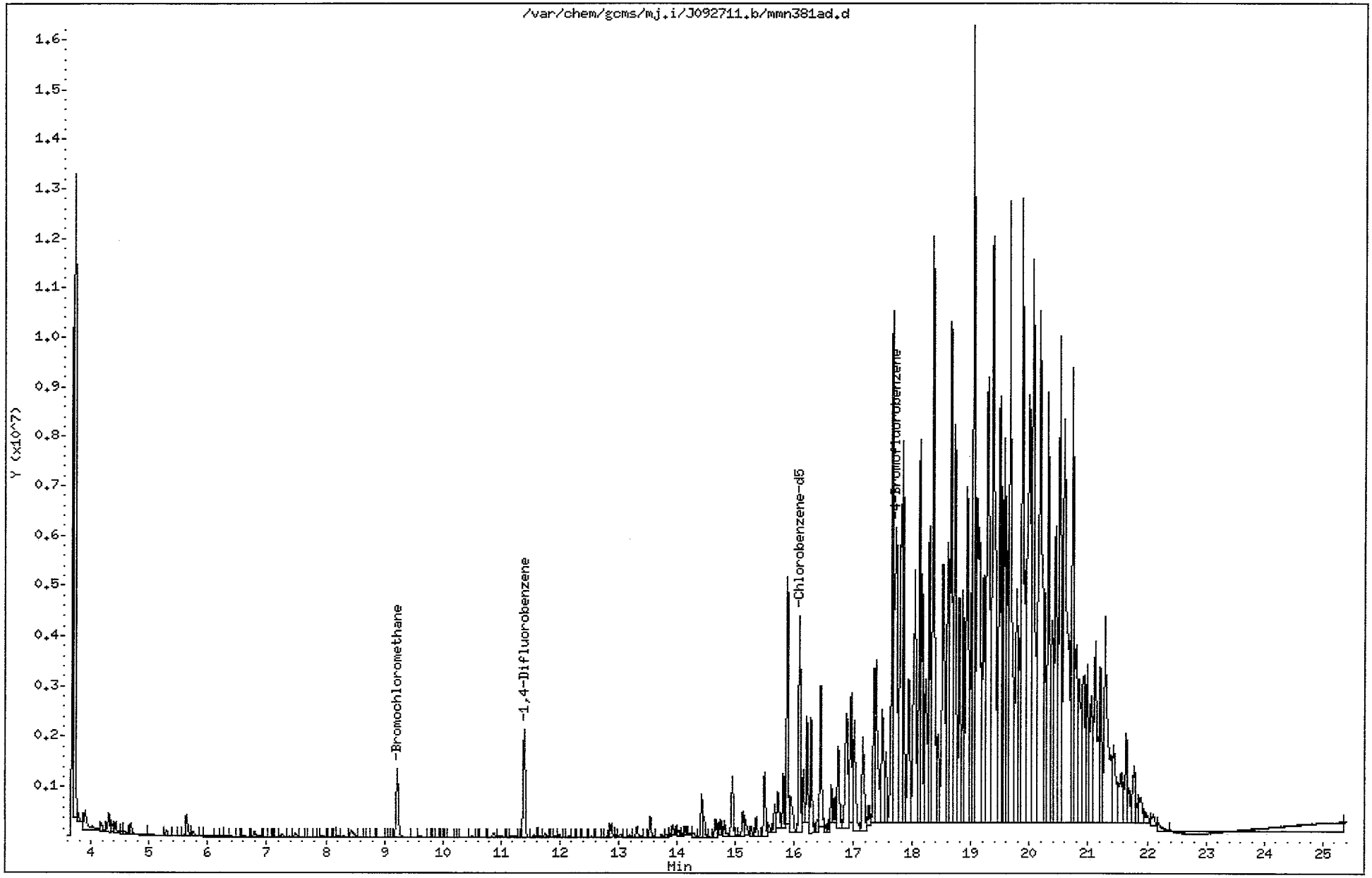
TestAmerica Knoxville

RECOVERY REPORT

Client Name: Merit Laboratories
Client SDG: H1I230466
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMN381AD
Client Smp ID: SV-12-24SA-092111
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,meritnj.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	4.801	120.03	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d
Date : 27-SEP-2011 22:38
Client ID: SV-12-24SA-092111
Instrument: mj.i
Sample Info: ,20.1,0,,,
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d

Date : 27-SEP-2011 22:38

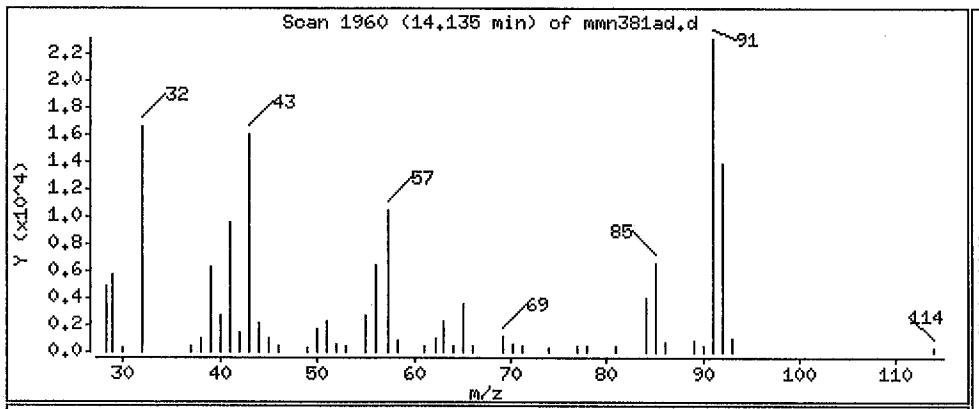
Client ID: SV-12-24SA-092111 Instrument: mj.i

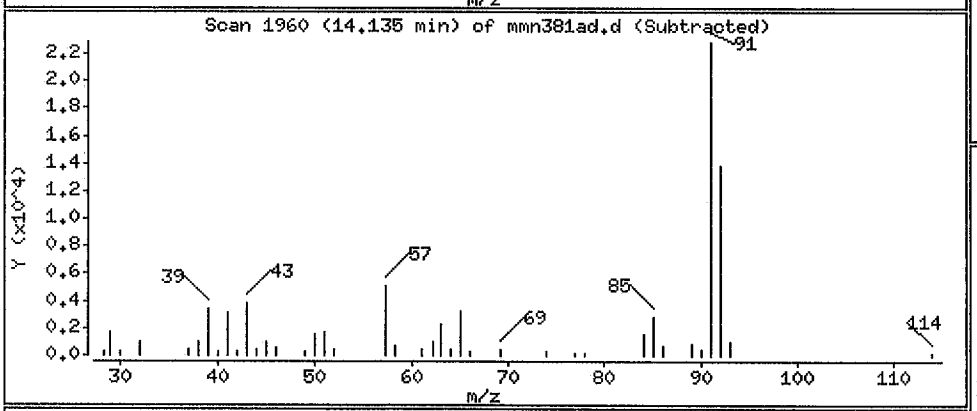
Sample Info: ,20.1,0,,,

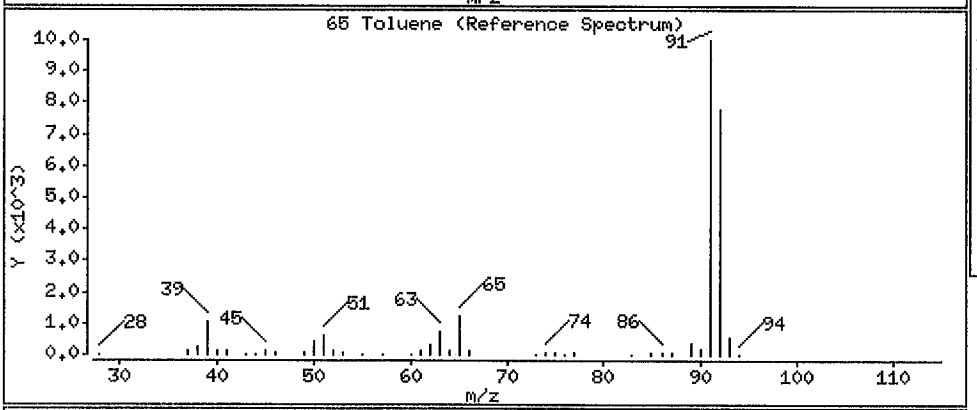
Purge Volume: 500.0 Operator: 7126

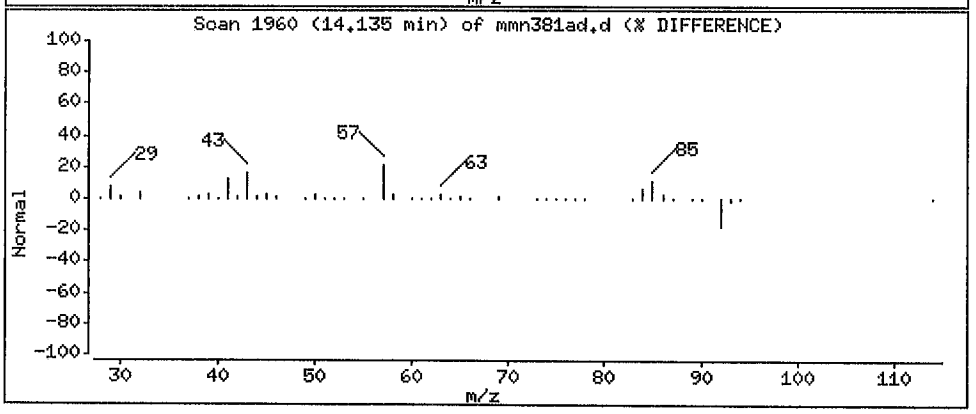
Column phase: Rtx-5 Column diameter: 0.32

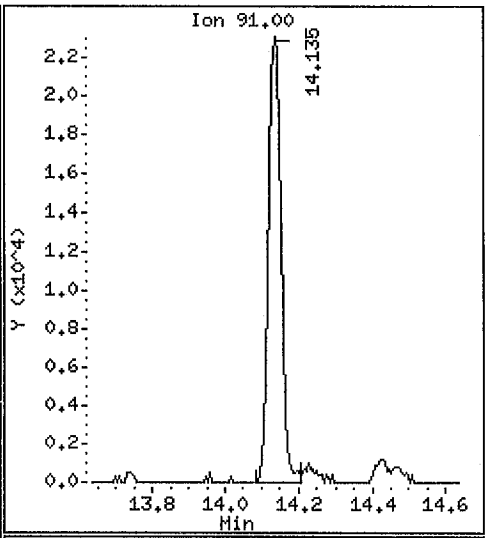
65 Toluene Concentration: 2.236 ppb(v/v)

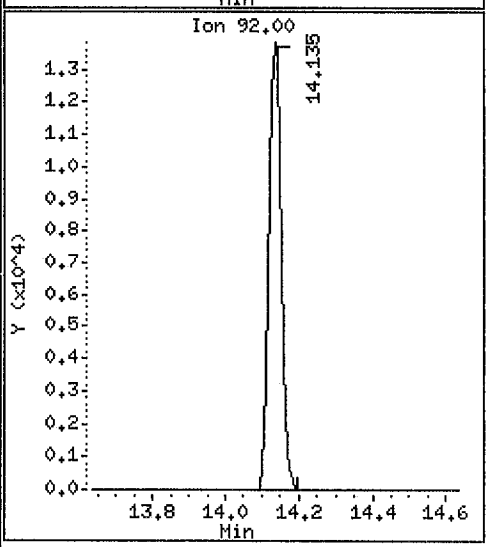












Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d

Date : 27-SEP-2011 22:38

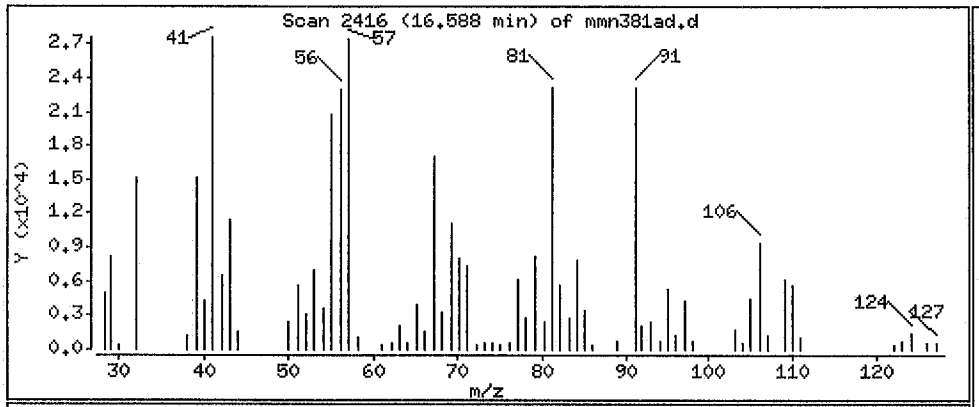
Client ID: SV-12-24SA-092111 Instrument: mj.i

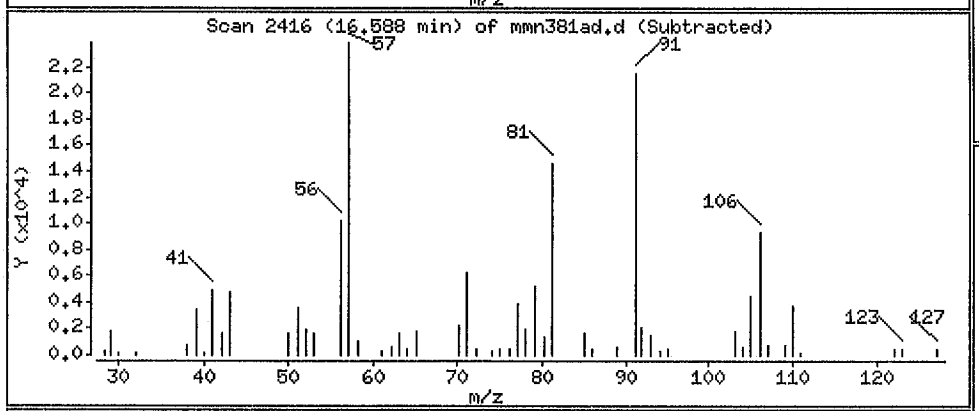
Sample Info: ,20,1,0,,,

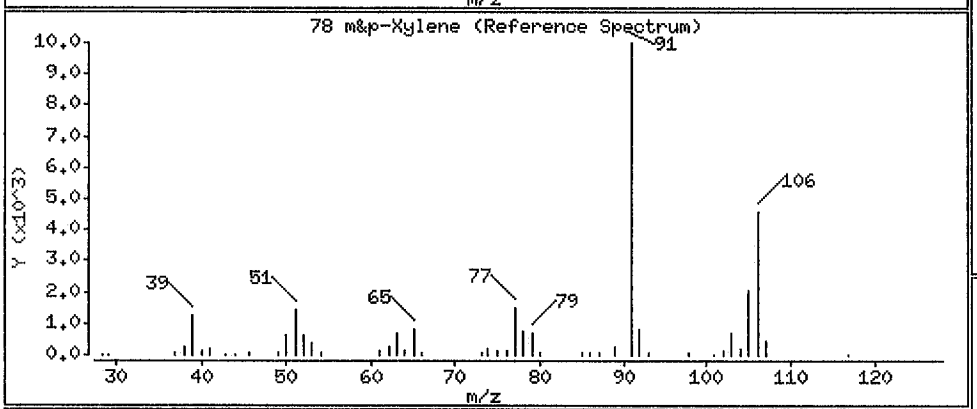
Purge Volume: 500.0 Operator: 7126

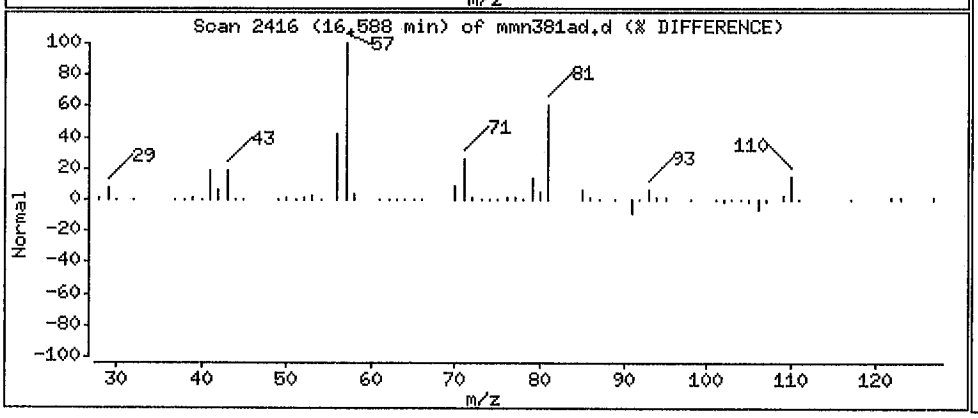
Column phase: Rtx-5 Column diameter: 0.32

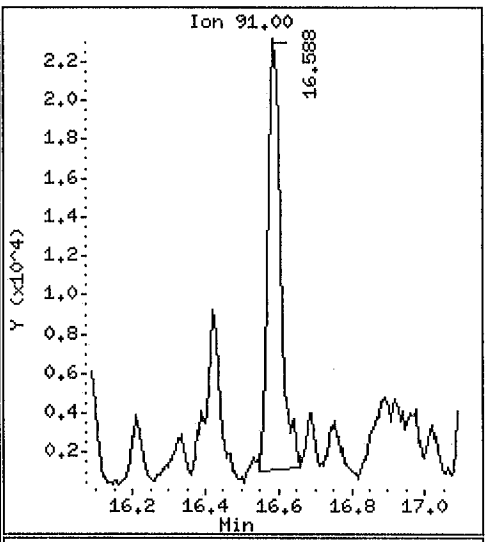
78 m&p-Xylene Concentration: 2.527 ppb(v/v)

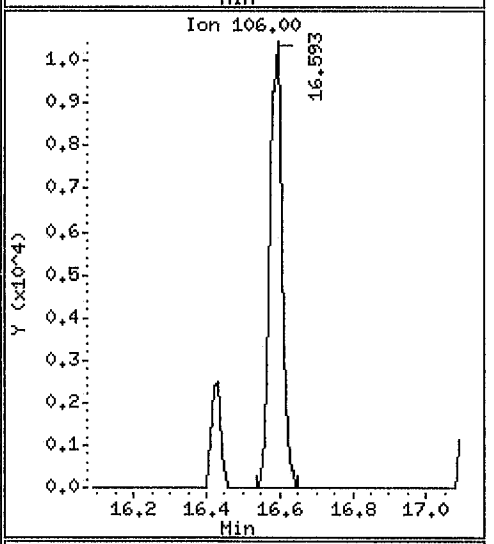


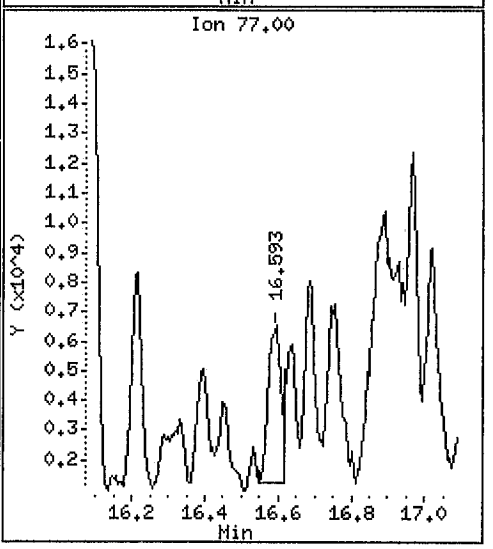












Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d

Date : 27-SEP-2011 22:38

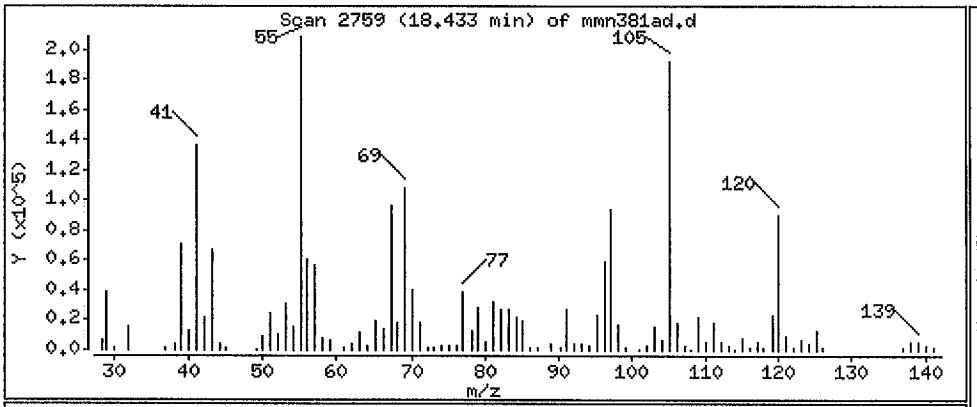
Client ID: SV-12-24SA-092111 Instrument: mj.i

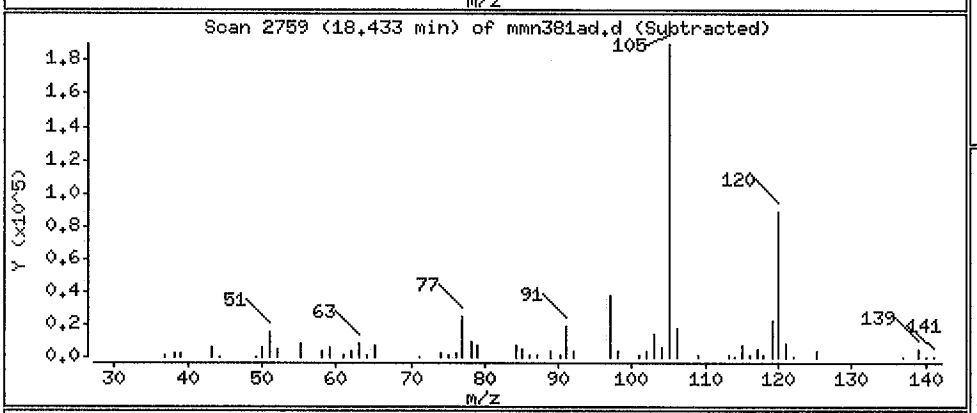
Sample Info: ,20.1,0,,,

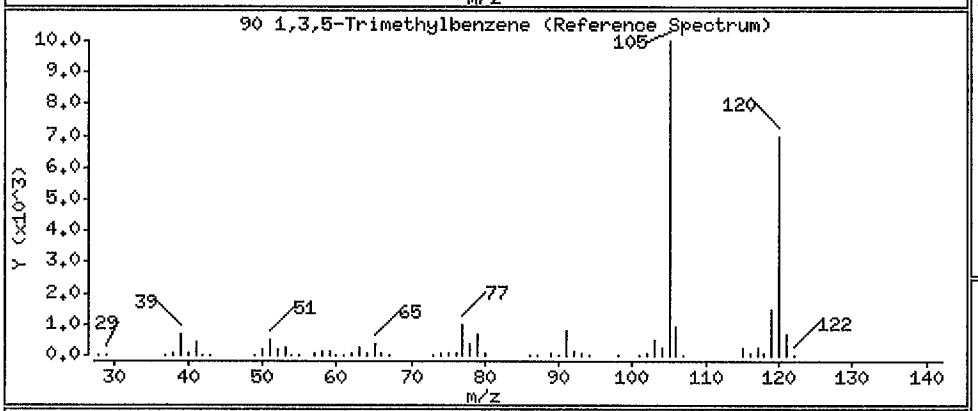
Purge Volume: 500.0 Operator: 7126

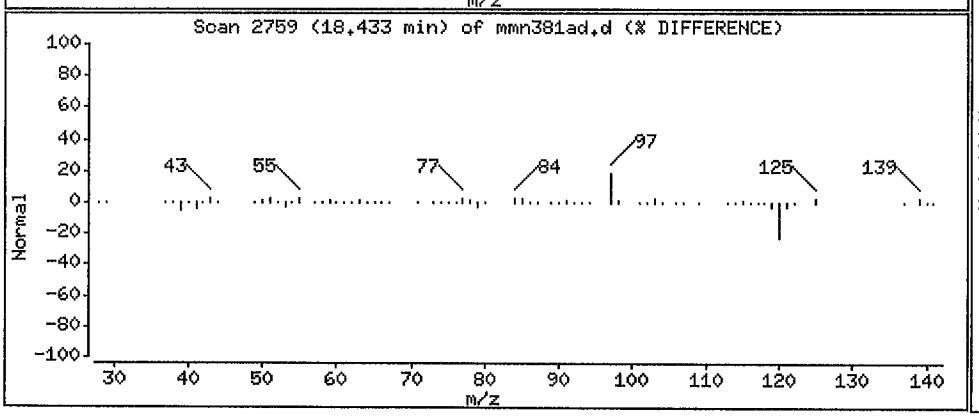
Column phase: Rtx-5 Column diameter: 0.32

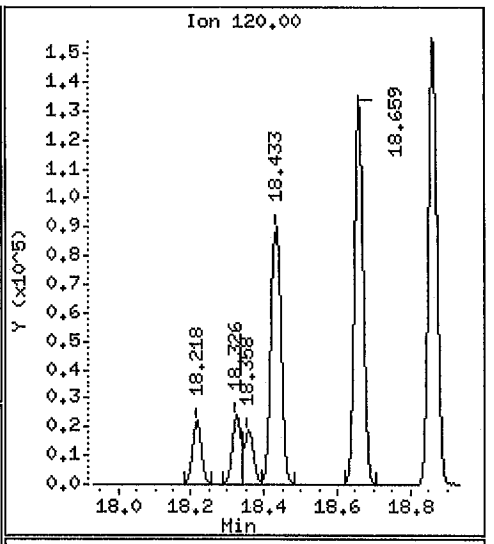
90 1,3,5-Trimethylbenzene Concentration: 13.61 ppb(v/v)

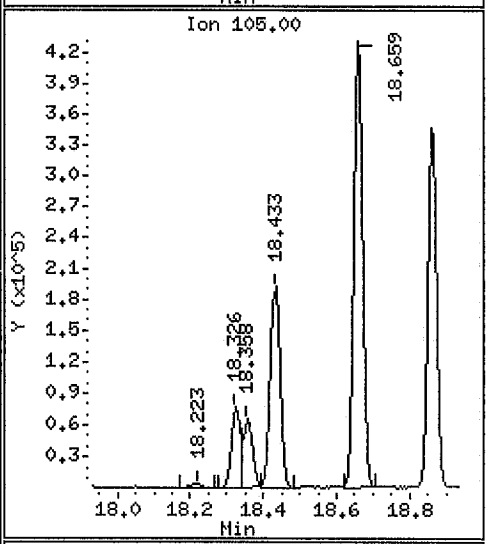


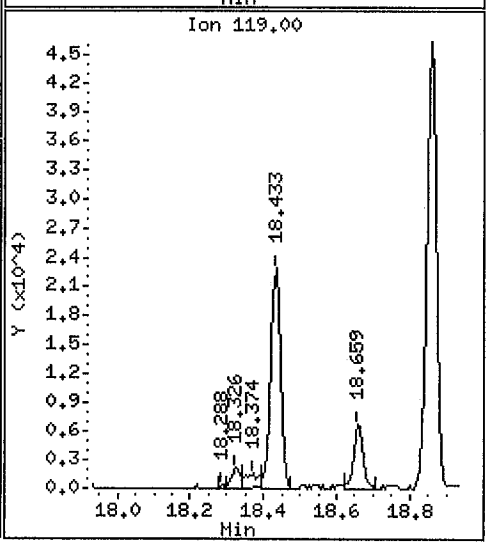












Data File: /var/chem/gcms/mj.i/J092711.b/mmn381ad.d

Date : 27-SEP-2011 22:38

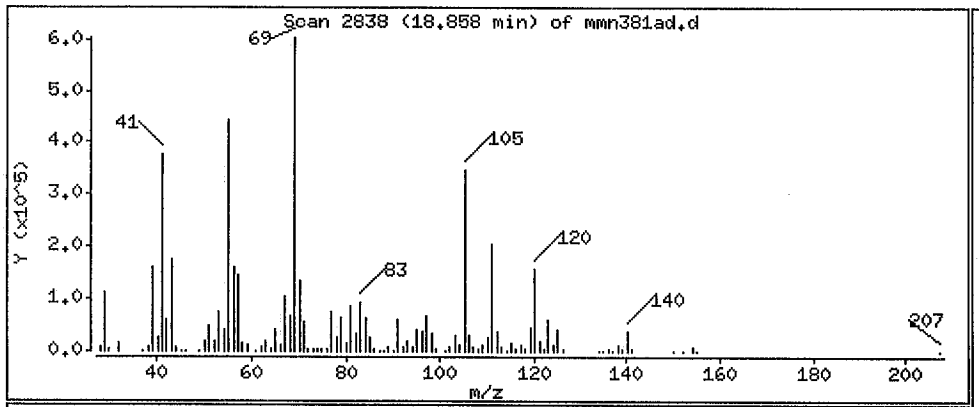
Client ID: SV-12-24SA-092111 Instrument: mj.i

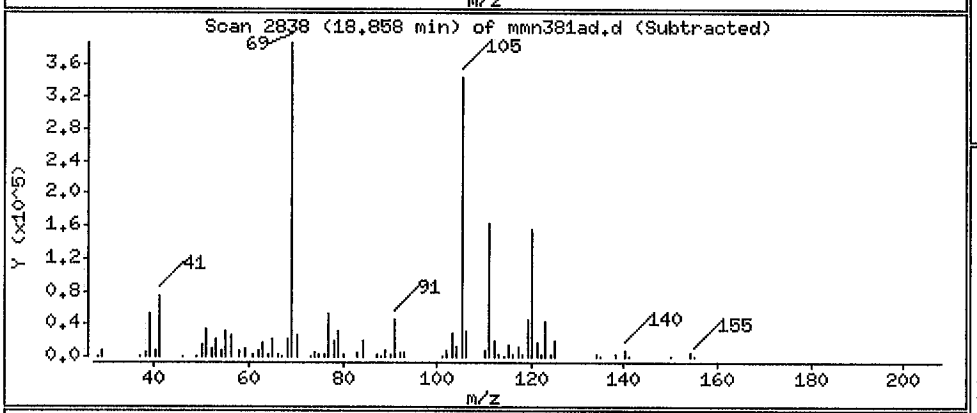
Sample Info: ,20.1,0,,,

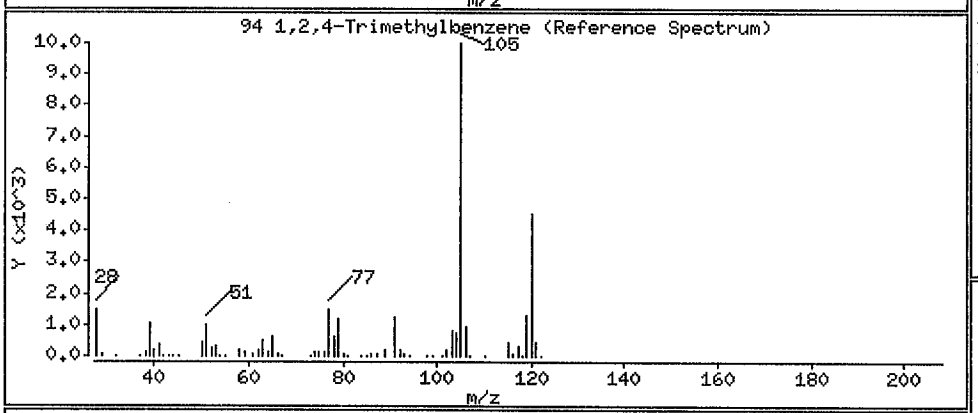
Purge Volume: 500.0 Operator: 7126

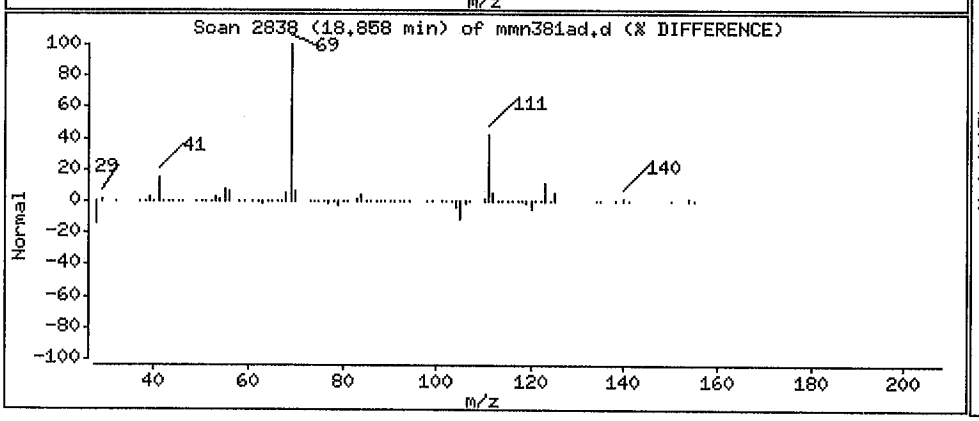
Column phase: Rtx-5 Column diameter: 0.32

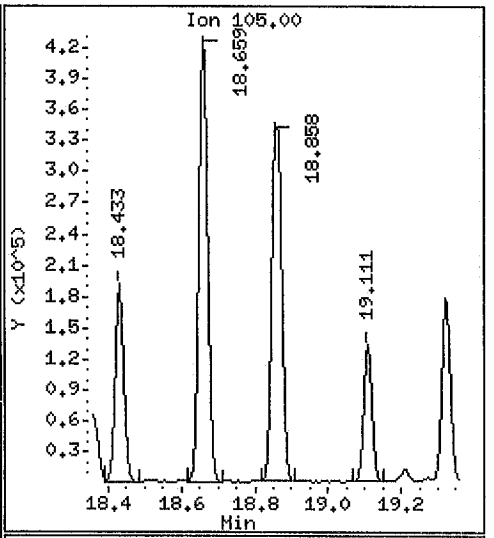
94 1,2,4-Trimethylbenzene Concentration: 28.84 ppb(v/v)

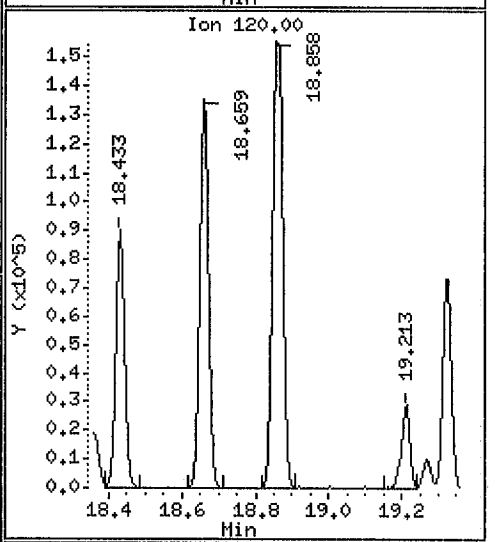


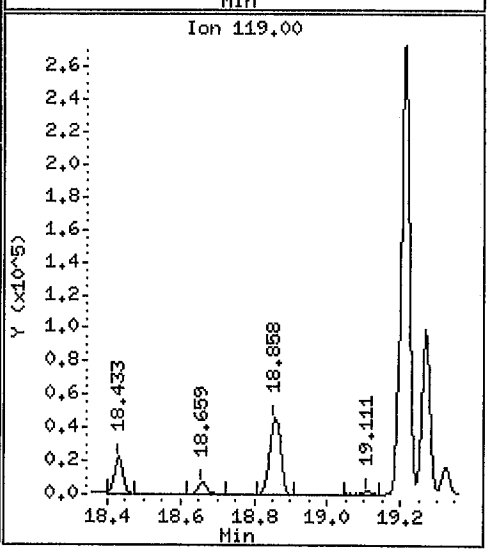












Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 12 & KNOX-MS-0023, Rev 0

Analysis Date:	8/25/11	Instrument::	MJ	ICAL Batch/Scan Name:	J082511T	Scanned

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Was date/time of analysis verified and logbook as correct?		✓			✓
4. Is low level std at or <RL and are the remaining points consecutive?		✓			✓
5. Are the calibration levels correct? (Calculate standard concentration & amt. injected with quan rpt at each level)		✓			✓
6. Was ICAL processed using correct methods and files?		✓			✓
7. Are the ICAL start and end dates/times correct?		✓			✓
8. Were at least 5 levels of each compound analyzed?					✓
9. At least 6 consecutive points used for quadratic curves, and at least 5 consecutive points for linear curves? Note: Ohio does not allow Quad	✓				NA
10. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)	✓	✓		acetaldehyde @ 39%	✓
11. If curves were used, is correlation coefficient ≥0.990?	✓				NA
12. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
13. For linear or quadratic: origin NOT "included"? (NOTE: OHIO does NOT allow "FORCE" through origin).	✓				NA
14. Is the "Y" intercept less than the RL for each curve?	✓				NA
15. RT for each IS ±20 sec avg. RT?		✓			✓
16. Area for each IS ± 40% avg. area?		✓			✓
17. Each analyte ± 0.06 RRT of avg. RRT?		✓			✓
18. Have all peaks been auto identified? If not, list:		✓			✓
19. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
20. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in ICAL summary?	✓				NA
21. Are all the active compounds listed on each quan report?		✓			✓
22. High point checked for saturation and point removed if saturated?		✓			✓
23. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
24. Is the second source analysis of a reference standard within limits? (65-135% R)		✓			✓
25. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
26. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations], in increasing amount order, 2nd source info.		✓			✓

Analyst:	Date: 8/26/11	2nd Level Reviewer:	Date: 8/28/11
Comments:		Comments: RR levels 1&2 bad std.	

TestAmerica Laboratories, Inc. – Knoxville 61
CANISTER RUN LOG

GCMS Analysis: AIR Inst: MJ

Analyst: AFB Qtims Batch: RR sampled due to ICAL points being RR.

Date: 8/25/11 ICAL Batch: J082511I Target Batch: J082511I IS #1 Area: 494199

Surr/IS ID & Vol.: 40mL V425 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☑Daily cleaned source

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1546	✓	tune	JBFBH25	–	16	100	1	
1612	✓	MDL	†MDL†	CX2263	1	50		
1701	✓N	ICAL 1 X	JICH251			100		N > can ↓ CCIy.
1752	✓N	1 2 X	2	†	†	200		N
1841	✓	3	3	CX2261	2	100		
1932	✓	4	4	†	2	200		
2024	✓	5	5	CX2260	3			
2116	✓	6	6	CX2259	4			
2207	✓	7	7	CX2258	5			
2258	✓	8	8	CX2257	6			
2350	✓	↓ 9	↓ 9	CX2256	7			
0040	ok	Blk	Blk1	–	16			
0131	✓	ICV	JICVH25	CX2252	8	↓		
0222	✓	LCJ	†LCJ†	†	8	100		
0316	✓	Blk	~~JBlkH25~~ JBlkH25	–	16	500	↓	~~tb 8/25/11~~
0410	✓	†	JBlkH25	–	16	500	1	
0555	✓	HIH240412	MLODR1AA	6137	9			ankrf
0650	✓		DV	1518	10			
0742	✓		D0	6124	11			
0835	✓		D2	12824	12			
1015	✓	↓	↓ D5	21639	13	†	†	
Not Run		Lot 9408	2966 ~~D5~~ tb 8/25/11	2966	14			
↓		†	04750 →		15			
Not Run		Lot 9406	6434 →		16			STD cans
Not Run		†	1747 →		STD	†	†	
0458	✓	HIH220414	MLV9W2AA	7497	1	11	4.81	C12dce 87.45
0944	✓	ICAL 2	JICH252R	CX2261	2	50	1	
1105	✓	↓ 1	JICH251R	↓	1	25	1	
								8/26/11

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: _____ Date: 8/26/11

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	102	8/25/2011	15:46
1	50	8/25/2011	16:12
1	102	8/25/2011	17:01
1	201	8/25/2011	17:52
2	100	8/25/2011	18:41
2	201	8/25/2011	19:32
3	202	8/25/2011	20:24
4	200	8/25/2011	21:16
5	201	8/25/2011	22:07
6	200	8/25/2011	22:58
7	201	8/25/2011	23:50
16	201	8/26/2011	0:40
8	201	8/26/2011	1:31
8	101	8/26/2011	2:22
16	501	8/26/2011	3:16
16	501	8/26/2011	4:10
1	11	8/26/2011	4:58
9	501	8/26/2011	5:55
10	501	8/26/2011	6:50
11	500	8/26/2011	7:42
12	500	8/26/2011	8:35
2	50	8/26/2011	9:24
13	500	8/26/2011	10:15
2	25	8/26/2011	11:05

Data File: /chem/gcms/mj.i/J082511I.b/jbfbh25.d

Date : 25-AUG-2011 15:46

Client ID: BFB

Instrument: mj.i

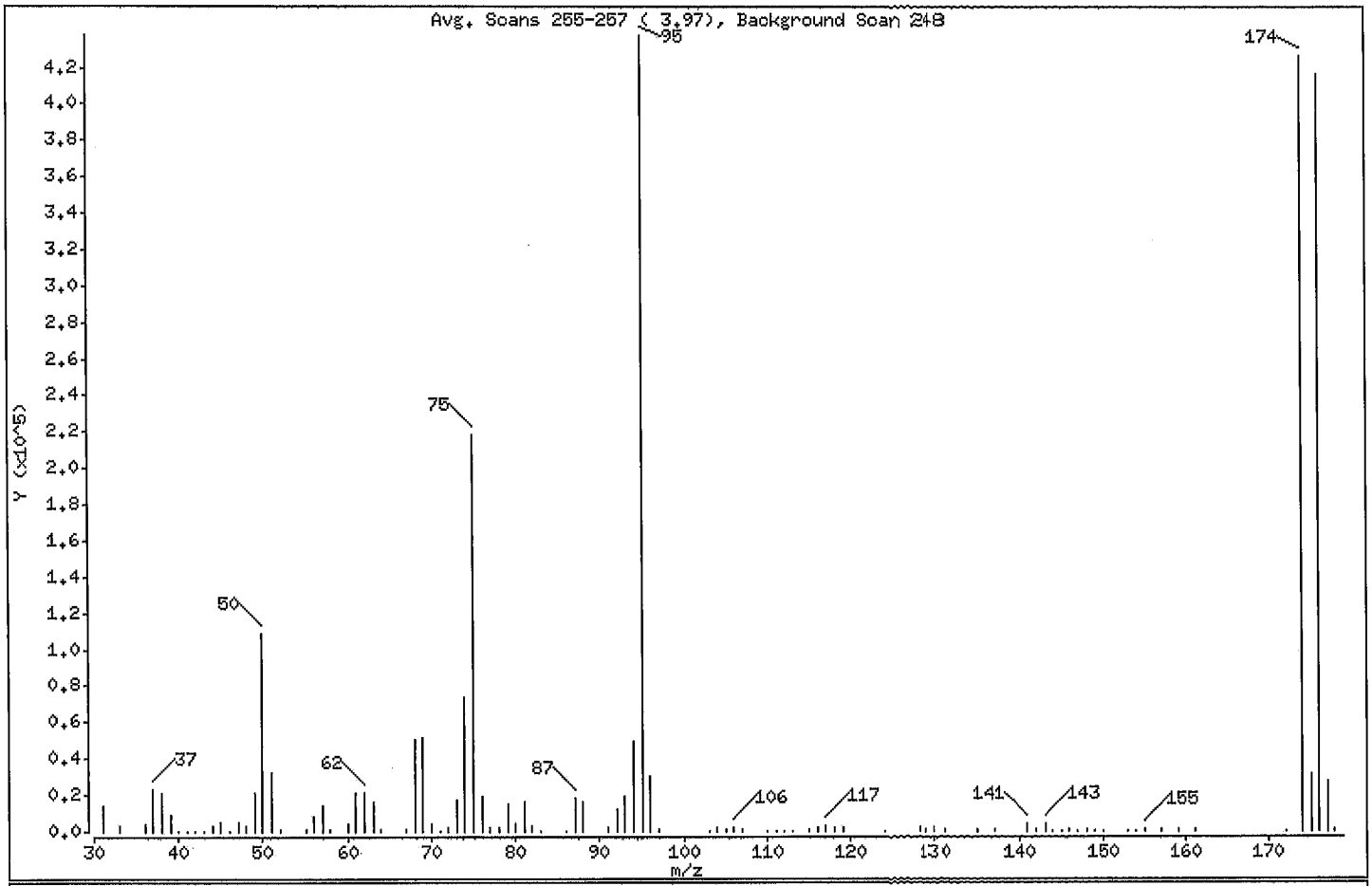
Sample Info: BFB,,3,,,BFB

Operator: 403648

Column phase: Rtx-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.92
75	30.00 - 60.00% of mass 95	49.79
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	97.40
175	5.00 - 9.00% of mass 174	7.11 (7.30)
176	95.00 - 101.00% of mass 174	96.24 (97.78)
177	5.00 - 9.00% of mass 176	6.29 (6.60)

Data File: /chem/goms/mj.i/J082511I.b/jbfbh25.d

Date : 25-AUG-2011 15:46

Client ID: BFB

Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 403648

Column phase: Rtx-5

Column diameter: 0.32

Data File: jbfbh25.d
Spectrum: Avg. Scans 255-257 (3.97), Background Scan 248
Location of Maximum: 95.00
Number of points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	14350	62.00	21264	93.00	18840	137.00	758
33.00	3037	63.00	16221	94.00	49368	141.00	4128
36.00	4382	64.00	1451	95.00	437632	142.00	562
37.00	23496	67.00	1114	96.00	30512	143.00	4436
38.00	21400	68.00	50704	97.00	1166	144.00	132
39.00	8699	69.00	50824	103.00	105	145.00	222
40.00	351	70.00	3832	104.00	2055	146.00	703
41.00	39	71.00	212	105.00	686	147.00	221
42.00	83	72.00	2176	106.00	2107	148.00	1057
43.00	267	73.00	17496	107.00	581	149.00	240
44.00	2546	74.00	73400	110.00	223	150.00	496
45.00	5145	75.00	217856	111.00	455	153.00	346
46.00	424	76.00	18896	112.00	168	154.00	141
47.00	5330	77.00	2194	113.00	424	155.00	1244
48.00	2746	78.00	1780	115.00	527	157.00	907
49.00	21184	79.00	15562	116.00	1643	159.00	529
50.00	109040	80.00	4252	117.00	2716	161.00	578
51.00	32608	81.00	15670	118.00	1569	172.00	188
52.00	1343	82.00	2873	119.00	2173	174.00	426240
55.00	1326	83.00	448	124.00	272	175.00	31112
56.00	7548	86.00	137	128.00	1603	176.00	416768
57.00	14230	87.00	17688	129.00	811	177.00	27504
58.00	806	88.00	16077	130.00	1686	178.00	749
60.00	4072	91.00	1875	131.00	657		
61.00	20896	92.00	12366	135.00	767		

Data File: /chem/goms/mj.i/J082511I.b/jbfbh25.d

Date : 25-AUG-2011 15:46

Client ID: BFB

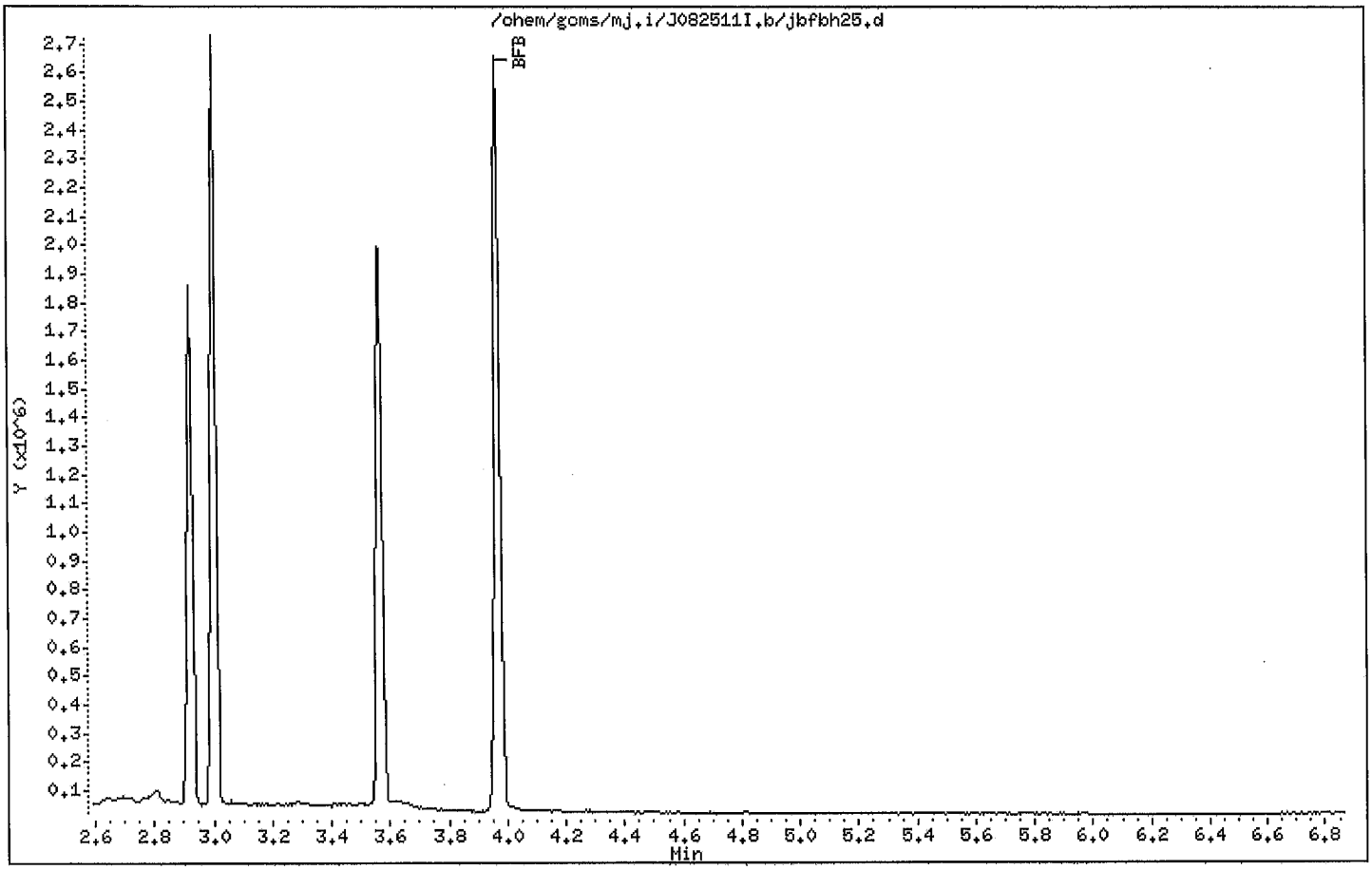
Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 403648

Column phase: Rtx-5

Column diameter: 0.32



Report Date:08/26/2011 Page 1

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J082511I.b/jich251r.d
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STD 8 = /var/chem/gcms/mj.i/J082511I.b/jich258.d
STD 9 = /var/chem/gcms/mj.i/J082511I.b/jich259.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	11.416	11.420	11.416	11.418	11.422	11.421	11.422	11.423	11.428	11.421
Chlorobenzene-d5	16.112	16.111	16.112	16.109	16.112	16.112	16.112	16.114	16.119	16.112
Bromochloromethane	9.242	9.242	9.243	9.245	9.243	9.248	9.248	9.249	9.255	9.246
4-Bromofluorobenzene	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101	1.101
~ 2-Methylnaphthalene	NA	NA	1.391	1.391	1.390	1.391	1.390	1.390	1.390	1.390
Chlorodifluoromethane	NA	0.421	0.420	0.420	0.420	0.420	0.420	0.420	0.420	0.420
Propene	NA	0.422	0.422	0.422	0.421	0.422	0.421	0.421	0.421	0.422
Dichlorodifluoromethane	0.427	0.428	0.428	0.427	0.428	0.428	0.428	0.428	0.427	0.428
Chloromethane	NA	0.449	0.449	0.448	0.449	0.448	0.448	0.449	0.448	0.448
1,2-Dichlorotetrafluoroethan	0.449	0.449	0.449	0.450	0.449	0.449	0.449	0.449	0.449	0.449
Methanol	NA	NA	NA	NA	0.463	0.463	0.463	0.463	0.464	0.463
~ acetaldehyde	NA	NA	0.467	0.466	0.466	0.466	0.466	0.466	0.466	0.466
Vinyl Chloride	0.469	0.468	0.469	0.468	0.469	0.468	0.468	0.468	0.468	0.468
n-Butane	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479	0.479
1,3-Butadiene	0.478	0.479	0.479	0.478	0.478	0.479	0.479	0.479	0.479	0.479
Bromomethane	NA	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516	0.516
Chloroethane	0.533	0.532	0.533	0.532	0.532	0.532	0.532	0.532	0.532	0.532
~ ethanol	NA	0.541	0.542	0.541	0.541	0.541	0.542	0.542	0.542	0.542
Vinyl Bromide	0.568	0.568	0.567	0.567	0.568	0.567	0.567	0.567	0.568	0.567
2-methyl butane	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573
Trichlorofluoromethane	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598
Acrolein	NA	NA	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598
Acetonitrile	0.605	0.606	0.606	0.605	0.605	0.605	0.605	0.605	0.605	0.605
Acetone	NA	NA	NA	NA	0.611	0.611	0.611	0.611	0.611	0.611
Isopropyl alcohol	NA	0.620	0.620	0.619	0.619	0.619	0.619	0.620	0.620	0.620
Pentane	0.623	0.623	0.624	0.624	0.623	0.624	0.624	0.624	0.624	0.624
Ethyl Ether	0.643	0.643	0.643	0.642	0.641	0.641	0.641	0.641	0.641	0.642
1,1-Dichloroethene	0.679	0.679	0.678	0.678	0.679	0.678	0.678	0.678	0.678	0.678
tert-butanol	0.687	0.687	0.687	0.687	0.686	0.686	0.686	0.686	0.687	0.686
Acrylonitrile	0.689	0.688	0.689	0.689	0.689	0.688	0.688	0.688	0.689	0.688
1,1,2-Trichlorotrifluoroetha	0.698	0.699	0.698	0.698	0.698	0.698	0.698	0.698	0.698	0.698
Methylene Chloride	NA	0.716	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717
3-Chloropropene	0.719	0.719	0.719	0.718	0.719	0.719	0.719	0.719	0.719	0.719
Carbon Disulfide	0.736	0.736	0.736	0.736	0.736	0.736	0.736	0.736	0.736	0.736
trans-1,2-Dichloroethene	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808	0.808
~ 2-Methyl Pentane	0.811	0.811	0.811	0.810	0.811	0.810	0.810	0.810	0.810	0.810
Methyl-t-Butyl Ether	0.824	0.822	0.822	0.822	0.821	0.821	0.821	0.821	0.821	0.822

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:08/26/2011

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J082511I.b/jich251r.d
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STD 9 = /var/chem/gcms/mj.i/J082511I.b/jich259.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,1-Dichloroethane	0.854	0.854	0.854	0.854	0.854	0.854	0.854	0.854	0.855	0.854
Vinyl Acetate	0.866	0.866	0.866	0.865	0.865	0.865	0.865	0.865	0.865	0.865
2-Butanone	NA	NA	0.916	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Hexane	0.919	0.920	0.920	0.920	0.920	0.920	0.920	0.920	0.920	0.920
cis 1,2-Dichloroethene	0.963	0.964	0.963	0.963	0.963	0.963	0.963	0.963	0.963	0.963
Ethyl acetate	0.984	0.984	0.983	0.982	0.982	0.982	0.982	0.982	0.982	0.982
Chloroform	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Tetrahydrofuran	1.048	1.047	1.047	1.046	1.045	1.045	1.044	1.044	1.044	1.046
1,1,1-Trichloroethane	1.115	1.115	1.115	1.115	1.115	1.114	1.114	1.114	1.114	1.114
1,2-Dichloroethane	0.911	0.911	0.911	0.911	0.911	0.911	0.911	0.911	0.912	0.911
1-Butanol	0.949	0.948	0.949	0.948	0.947	0.947	0.946	0.946	0.947	0.947
Benzene	0.954	0.954	0.954	0.954	0.954	0.954	0.954	0.954	0.954	0.954
Cyclohexane	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
Carbon Tetrachloride	0.957	0.956	0.957	0.957	0.956	0.957	0.957	0.957	0.957	0.957
~ 2,3-dimethylpentane	0.965	0.964	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965
~ Thiophene	0.977	0.977	0.978	0.977	0.977	0.977	0.977	0.978	0.978	0.977
2,2,4-trimethylpentane	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020	1.020
Heptane	1.052	1.051	1.052	1.052	1.052	1.052	1.052	1.052	1.052	1.052
1,2-Dichloropropane	1.059	1.058	1.059	1.059	1.058	1.058	1.059	1.059	1.059	1.059
Trichloroethene	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062
Dibromomethane	1.069	1.069	1.069	1.069	1.069	1.069	1.069	1.069	1.069	1.069
Bromodichloromethane	1.082	1.081	1.082	1.082	1.081	1.081	1.081	1.081	1.081	1.081
1,4-dioxane	1.083	1.083	1.083	1.082	1.082	1.081	1.081	1.081	1.081	1.082
Methyl Methacrylate	1.089	1.089	1.089	1.089	1.088	1.088	1.088	1.088	1.088	1.088
~ 1-Methylnaphthalene	NA	NA	1.399	1.399	1.399	1.399	1.399	1.399	1.398	1.399
~ methyl cyclohexane	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.130	1.129	1.130
4-Methyl-2-pentanone	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.161	1.162
cis-1,3-Dichloropropene	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168	1.168
trans-1,3-Dichloropropene	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870
Toluene	0.878	0.878	0.878	0.879	0.878	0.879	0.879	0.879	0.879	0.878
1,1,2-Trichloroethane	0.882	0.883	0.882	0.883	0.882	0.883	0.883	0.883	0.883	0.883
~ 2-methyl thiophene	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888
~ 3-methyl thiophene	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
2-Hexanone	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906	0.906
Octane	0.920	0.920	0.920	0.921	0.920	0.920	0.920	0.920	0.920	0.920
Dibromochloromethane	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926	0.926
1,2-Dibromoethane	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:08/26/2011

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J082511I.b/jich251r.d
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COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Tetrachloroethene	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949
Chlorobenzene	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
~ 2,3-dimethylheptane	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004
Ethylbenzene	1.020	1.021	1.020	1.021	1.020	1.021	1.021	1.021	1.020	1.020
~ 2-ethyl thiophene	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027
m&p-Xylene	1.030	1.030	1.030	1.031	1.030	1.031	1.031	1.031	1.030	1.030
Nonane	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056	1.056
Bromoform	NA	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058	1.058
Styrene	1.059	1.059	1.059	1.059	1.059	1.059	1.059	1.059	1.059	1.059
o-Xylene	1.063	1.063	1.063	1.063	1.063	1.063	1.063	1.063	1.063	1.063
1,1,2,2-Tetrachloroethane	1.082	1.082	1.082	1.083	1.082	1.082	1.082	1.082	1.082	1.082
1,2,3-Trichloropropane	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092	1.092
Cumene	1.099	1.099	1.099	1.099	1.099	1.099	1.099	1.099	1.099	1.099
n-Propylbenzene	1.131	1.132	1.131	1.132	1.132	1.132	1.132	1.132	1.131	1.132
2-chlorotoluene	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134	1.134
4-Ethyltoluene	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140	1.140
1,3,5-Trimethylbenzene	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.145	1.144	1.145
Alpha-Methylstyrene	1.158	1.158	1.158	1.159	1.158	1.158	1.158	1.158	1.158	1.158
Decane	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162
tert-butylbenzene	1.171	1.171	1.171	1.171	1.171	1.171	1.171	1.170	1.170	1.171
1,2,4-Trimethylbenzene	1.172	1.171	1.171	1.172	1.171	1.171	1.171	1.171	1.171	1.171
sec-butylbenzene	1.187	1.187	1.187	1.187	1.187	1.187	1.187	1.187	1.186	1.187
1,3-Dichlorobenzene	1.188	1.188	1.188	1.188	1.188	1.188	1.188	1.188	1.188	1.188
Benzyl Chloride	1.192	1.192	1.192	1.193	1.192	1.192	1.192	1.192	1.192	1.192
1,4-Dichlorobenzene	1.193	1.193	1.193	1.193	1.193	1.193	1.193	1.193	1.193	1.193
p-Cymene	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.196	1.197
~ 1,2,3- Trimethylbenzene	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
~ n-butylcyclohexane	1.203	1.203	1.203	1.204	1.203	1.203	1.203	1.203	1.203	1.203
~ Indane	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215
1,2-Dichlorobenzene	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215	1.215
n-butylbenzene	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.222	1.223
~ Indene	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.222	1.223
Undecane	NA	NA	1.241	1.242	1.241	1.242	1.241	1.241	1.241	1.241
~ 1,2-dimethyl-4-ethylenzene	1.246	1.246	1.246	1.246	1.246	1.246	1.246	1.246	1.245	1.246
~ 1,2,4,5-tetramethylbenzene	1.269	1.269	1.269	1.270	1.269	1.269	1.269	1.269	1.269	1.269
~ 1,2,3,5-tetramethylbenzene	NA	1.273	1.273	1.273	1.273	1.273	1.273	1.273	1.273	1.273
~ 1,2,3,4-tetramethylbenzene	NA	1.298	1.298	1.299	1.298	1.298	1.298	1.298	1.298	1.298

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/mj.i/J082511I.b/jich251r.d
STD 2 = /var/chem/gcms/mj.i/J082511I.b/jich252r.d
STD 3 = /var/chem/gcms/mj.i/J082511I.b/jich253.d
STD 4 = /var/chem/gcms/mj.i/J082511I.b/jich254.d
STD 5 = /var/chem/gcms/mj.i/J082511I.b/jich255.d
STD 6 = /var/chem/gcms/mj.i/J082511I.b/jich256.d
STD 7 = /var/chem/gcms/mj.i/J082511I.b/jich257.d
STD 8 = /var/chem/gcms/mj.i/J082511I.b/jich258.d
STD 9 = /var/chem/gcms/mj.i/J082511I.b/jich259.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
Dodecane	NA	NA	1.308	1.308	1.308	1.308	1.308	1.308	1.307	1.308
1,2,4-Trichlorobenzene	NA	1.322	1.322	1.322	1.322	1.322	1.322	1.322	1.321	1.322
Napthalene	NA	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331	1.331
~ benzo(b) thiophene	NA	1.338	1.338	1.338	1.338	1.338	1.338	1.338	1.337	1.338
Hexachlorobutadiene	NA	1.344	1.344	1.344	1.344	1.344	1.344	1.344	1.344	1.344
1,2,3-trichlorobenzene	NA	1.348	1.348	1.349	1.348	1.348	1.348	1.348	1.348	1.348

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date : 26-Aug-2011 12:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-AUG-2011 18:41
End Cal Date : 26-AUG-2011 11:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Level 2: /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Level 3: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Level 4: /var/chem/gcms/mj.i/J082511I.b/jich254.d
Level 5: /var/chem/gcms/mj.i/J082511I.b/jich255.d
Level 6: /var/chem/gcms/mj.i/J082511I.b/jich256.d
Level 7: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Level 8: /var/chem/gcms/mj.i/J082511I.b/jich258.d
Level 9: /var/chem/gcms/mj.i/J082511I.b/jich259.d

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
5 Chlorodifluoromethane	+++++	0.67700	0.58423	0.45261	0.47395	0.43611		
	0.43258	0.45160	0.41650				0.49057	18.647
6 Propene	+++++	3.06715	2.66209	2.01759	1.82704	1.71212		
	1.70821	1.75839	1.60849				2.04513	25.945
7 Dichlorodifluoromethane	7.37501	6.45040	5.78540	4.39348	4.53855	4.25536		
	4.22569	4.31729	3.97652				5.03530	23.913
8 Chloromethane	+++++	0.83461	0.84235	0.61496	0.63943	0.60011		
	0.60048	0.60013	0.55503				0.66089	16.958
9 1,2-Dichlorotetrafluoroethane	4.23144	3.77897	3.28687	2.56685	2.63694	2.48903		
	2.49683	2.58850	2.43448				2.94554	22.461

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Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
10 Methanol	+++++	+++++	+++++	+++++	0.61369	0.53438		
	0.45070	0.37213	0.35626				0.46543	23.432
11 ~ acetaldehyde	+++++	+++++	0.59494	0.53249	0.34725	0.27052		
	0.27709	0.24704	0.26201				0.36162	39.487
12 Vinyl Chloride	3.09448	2.69526	2.28356	1.78760	1.86932	1.76277		
	1.80767	1.80570	1.72881				2.09280	23.597
13 n-Butane	4.96068	4.50188	3.69353	2.95051	3.13402	2.95734		
	3.01634	2.90003	2.74042				3.42831	23.129
14 1,3-Butadiene	2.32766	1.94039	1.68568	1.33249	1.40939	1.34139		
	1.37930	1.36588	1.31174				1.56599	22.618
15 Bromomethane	+++++	1.92787	1.67671	1.24389	1.34806	1.31182		
	1.31207	1.32858	1.28383				1.42910	16.927
16 Chloroethane	1.39545	1.14994	1.00525	0.76372	0.79406	0.77316		
	0.77841	0.79540	0.75970				0.91279	24.766
17 ~ ethanol	+++++	0.85852	0.73384	0.57289	0.59219	0.53848		
	0.53571	0.49902	0.48750				0.60227	21.399
18 Vinyl Bromide	2.22064	1.94336	1.67202	1.30697	1.36342	1.30339		
	1.32164	1.35912	1.32882				1.53549	21.961

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Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
19 2-methyl butane	4.72298	4.00028	3.25289	2.57534	2.64123	2.51001		
	2.51794	2.57752	2.42665				3.02498	26.949
20 Trichlorofluoromethane	5.93556	5.28718	4.64074	3.60785	3.72068	3.54083		
	3.57976	3.65957	3.51479				4.16522	21.705
21 Acrolein	+++++	+++++	0.33140	0.33884	0.38104	0.32205		
	0.35555	0.32987	0.49433				0.36472	16.589
22 Acetonitrile	0.66356	0.60385	0.55034	0.57933	0.56622	0.51949		
	0.53688	0.49945	0.63728				0.57293	9.452
23 Acetone	+++++	+++++	+++++	+++++	0.74270	0.62599		
	0.58714	0.48144	0.52620				0.59270	16.965
24 Isopropyl alcohol	+++++	3.31603	3.04046	2.06005	2.12264	1.91909		
	1.96246	1.92568	1.86076				2.27590	24.950
25 Pentane	0.42542	0.34059	0.30648	0.24766	0.25315	0.24097		
	0.24536	0.25143	0.24056				0.28351	22.402
26 Ethyl Ether	2.11849	2.24693	2.18073	2.24058	2.22615	1.92724		
	2.05765	1.87191	2.13254				2.11136	6.435
27 1,1-Dichloroethene	2.04906	1.80903	1.63686	1.24383	1.25911	1.20798		
	1.21988	1.24823	1.21215				1.43179	22.189

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
28 tert-butanol	4.16157	3.54909	3.32162	2.19956	2.38710	2.18406		
	2.28000	2.28547	2.16699				2.72616	27.463
29 Acrylonitrile	1.08124	1.02220	0.94492	0.90070	0.93321	0.85233		
	0.92322	0.87374	1.11004				0.96018	9.455
30 1,1,2-Trichlorotrifluoroethan	4.16201	3.77150	3.31067	2.55437	2.63273	2.51177		
	2.56766	2.60678	2.53288				2.96115	21.224
31 Methylene Chloride	+++++	2.26769	1.78539	1.30482	1.32600	1.20333		
	1.19292	1.19111	1.14941				1.42758	27.741
32 3-Chloropropene	2.80150	2.60553	2.09839	1.69967	1.66362	1.58946		
	1.68409	1.69191	1.23406				1.89647	26.858
33 Carbon Disulfide	7.16982	6.40416	5.59071	4.47088	4.54193	4.34620		
	4.40831	4.44250	4.23886				5.06815	21.095
34 trans-1,2-Dichloroethene	2.31240	1.99948	1.77831	1.43125	1.48280	1.41341		
	1.44000	1.47205	1.43246				1.64024	19.654
35 ~ 2-Methyl Pentane	7.53421	6.89379	6.03909	4.80481	4.86290	4.58759		
	4.65133	4.70217	4.34848				5.38049	21.441
36 Methyl-t-Butyl Ether	3.39829	2.79192	3.03542	2.92708	2.82779	2.51635		
	2.64571	2.45994	2.77028				2.81920	10.094

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	4.000 Level 7	8.000 Level 8	16.000 Level 9					
37 1,1-Dichloroethane	4.75637	4.37656	3.94753	3.08045	3.10377	2.89501		
	2.90046	2.85914	2.77708				3.41071	21.909
38 Vinyl Acetate	3.05999	3.03761	3.30674	3.59396	3.35586	3.04595		
	3.26576	2.96501	3.75720				3.26534	8.332
39 2-Butanone	+++++	+++++	0.63324	0.55580	0.47718	0.43493		
	0.43625	0.42074	0.46019				0.48833	15.994
40 Hexane	2.78160	2.43035	2.06278	1.65229	1.64456	1.53486		
	1.53978	1.56125	1.51259				1.85779	24.984
41 cis 1,2-Dichloroethene	2.19742	1.97444	1.81627	1.44671	1.44486	1.37759		
	1.36363	1.36345	1.34020				1.59162	20.111
42 Ethyl acetate	3.70077	3.07341	3.31005	3.01753	2.83746	2.66963		
	2.67236	2.58656	2.90732				2.97501	11.942
43 Chloroform	4.61950	4.43357	3.93469	3.06107	3.05514	2.79631		
	2.77041	2.68424	2.72061				3.34173	23.129
44 Tetrahydrofuran	1.82264	1.71183	1.73164	1.69096	1.63621	1.48019		
	1.52193	1.42082	1.64774				1.62933	8.005
45 1,1,1-Trichloroethane	4.65510	4.25147	3.81699	3.03559	3.06145	2.86251		
	2.83738	2.71851	2.67554				3.32384	21.965

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Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
46 1,2-Dichloroethane	0.57437	0.60891	0.57991	0.44427	0.45334	0.46601		
	0.45162	0.44829	0.47403				0.50008	13.397
47 1-Butanol	0.27814	0.24319	0.24034	0.15062	0.16121	0.16394		
	0.16032	0.16510	0.15738				0.19114	25.324
48 Benzene	1.24376	1.23605	1.17403	0.87830	0.86896	0.88765		
	0.86646	0.86741	0.90991				0.99250	17.197
49 Cyclohexane	0.29439	0.25006	0.24668	0.16936	0.17383	0.18431		
	0.17496	0.17671	0.17401				0.20492	22.556
50 Carbon Tetrachloride	0.96175	0.88108	0.81738	0.60641	0.57042	0.52297		
	0.65431	0.65683	0.52931				0.68894	23.176
51 ~ 2,3-dimethylpentane	0.32206	0.29509	0.28351	0.20868	0.21385	0.22096		
	0.20527	0.20514	0.20911				0.24041	19.212
52 ~ Thiophene	0.62651	0.70380	0.67919	0.50845	0.50418	0.51888		
	0.49189	0.48364	0.51498				0.55906	15.395
53 2,2,4-trimethylpentane	2.84300	2.72362	2.52292	1.86179	1.88284	1.88309		
	1.76879	1.74354	1.78906				2.11318	21.181
54 Heptane	0.49391	0.44832	0.43966	0.32241	0.31415	0.32182		
	0.30500	0.30696	0.32712				0.36437	20.307

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Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
55 1,2-Dichloropropane	0.43111	0.41129	0.42567	0.35300	0.34060	0.34331		
	0.34141	0.33869	0.38743				0.37472	10.467
56 Trichloroethene	0.60756	0.60983	0.56014	0.38176	0.41404	0.42660		
	0.39922	0.40429	0.42770				0.47013	19.971
180 ~ 2-nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
57 Dibromomethane	0.56655	0.52446	0.51091	0.38044	0.38242	0.39184		
	0.37028	0.36716	0.39946				0.43261	18.031
58 Bromodichloromethane	0.88483	0.83229	0.86891	0.64746	0.65456	0.65970		
	0.64903	0.65036	0.68434				0.72572	14.287
59 1,4-dioxane	0.13511	0.11025	0.11965	0.08510	0.09561	0.10127		
	0.09021	0.09150	0.08787				0.10184	16.473
60 Methyl Methacrylate	0.44474	0.34045	0.40702	0.36639	0.34933	0.37263		
	0.36704	0.37201	0.43728				0.38410	9.666
61 ~ methyl cyclohexane	0.83478	0.75152	0.73192	0.54306	0.55436	0.56546		
	0.53327	0.52262	0.53268				0.61885	19.270
62 4-Methyl-2-pentanone	1.07072	0.75727	0.85159	0.60948	0.64375	0.68831		
	0.64217	0.71762	0.69009				0.74122	19.296

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Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
63 cis-1,3-Dichloropropene	0.51789	0.52376	0.56152	0.45116	0.44267	0.45942		
	0.45782	0.46010	0.50825				0.48695	8.559
64 trans-1,3-Dichloropropene	0.54802	0.52270	0.56264	0.48168	0.48408	0.48455		
	0.49167	0.47715	0.53217				0.50941	6.362
65 Toluene	1.15577	1.09856	1.16262	0.97940	0.94959	0.92906		
	0.95947	0.90008	1.04873				1.02036	9.720
66 1,1,2-Trichloroethane	0.39776	0.38089	0.40072	0.32814	0.32436	0.31156		
	0.31767	0.30041	0.34181				0.34481	11.114
67 ~ 2-methyl thiophene	0.99056	0.97970	0.98157	0.84215	0.80549	0.79319		
	0.81334	0.76790	0.87910				0.87256	10.212
68 ~ 3-methyl thiophene	0.98866	0.96565	1.02609	0.84075	0.81108	0.79400		
	0.81127	0.76757	0.87691				0.87577	10.786
69 2-Hexanone	0.48405	0.40809	0.43329	0.30984	0.33101	0.34815		
	0.34095	0.35888	0.35607				0.37448	14.946
70 Octane	0.48427	0.44728	0.46776	0.34750	0.35344	0.34270		
	0.34957	0.33113	0.36086				0.38717	15.677
71 Dibromochloromethane	0.73929	0.69578	0.78108	0.60963	0.62609	0.61487		
	0.65309	0.63288	0.66411				0.66854	8.865

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TQ15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
72 1,2-Dibromoethane	0.66556	0.63832	0.70557	0.56489	0.55329	0.54886		
	0.55024	0.52278	0.59428				0.59375	10.495
73 Tetrachloroethene	0.57905	0.51402	0.52464	0.38846	0.37286	0.37146		
	0.35950	0.34654	0.38596				0.42694	20.359
74 Chlorobenzene	1.03261	0.90468	0.96441	0.77392	0.74802	0.73516		
	0.73669	0.70871	0.80307				0.82303	14.069
75 ~ 2,3-dimethylheptane	2.02368	1.83740	1.86838	1.48420	1.56754	1.47682		
	1.47515	1.33653	1.28936				1.59545	15.962
76 Ethylbenzene	1.42119	1.11740	1.27470	1.15971	1.09989	1.06158		
	1.09779	1.02333	1.20737				1.16255	10.589
77 ~ 2-ethyl thiophene	1.11675	0.90799	1.04201	0.92364	0.88026	0.85378		
	0.88119	0.82846	0.96481				0.93321	10.027
78 m&p-Xylene	1.11424	0.84862	0.96634	0.88379	0.84343	0.82219		
	0.84903	0.78766	0.91868				0.89266	11.029
79 Nonane	1.05886	0.89637	0.99392	0.85693	0.88558	0.83329		
	0.86434	0.81940	0.89163				0.90004	8.644
80 Bromoform	+++++	0.52021	0.64721	0.52875	0.53967	0.52408		
	0.58176	0.58743	0.58882				0.56474	7.846

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Curve Type : Average

	0.04000	0.08000	0.16000	0.40000	1.000	2.000	___	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	4.000	8.000	16.000					
	Level 7	Level 8	Level 9					
81 Styrene	0.73117	0.53810	0.70586	0.63256	0.63376	0.61040		
	0.64976	0.62306	0.73546				0.65113	9.771
82 o-Xylene	1.18314	0.88016	1.03697	0.90565	0.88266	0.84124		
	0.87491	0.79751	0.95307				0.92837	12.620
M 83 Xylene (total)	1.13721	0.85913	0.98988	0.89108	0.85650	0.82854		
	0.85766	0.79094	0.93014				0.90456	11.562
84 1,1,2,2-Tetrachloroethane	1.00519	0.68779	0.84685	0.70343	0.71050	0.68718		
	0.68950	0.65624	0.74967				0.74848	14.823
85 1,2,3-Trichloropropane	0.22617	0.15751	0.19655	0.16054	0.15906	0.15296		
	0.15318	0.14697	0.17111				0.16934	15.237
86 Cumene	1.55507	1.12400	1.30124	1.17396	1.15217	1.09508		
	1.13693	1.05730	1.24987				1.20507	12.539
87 n-Propylbenzene	0.39792	0.27386	0.34497	0.30523	0.29470	0.28915		
	0.29583	0.28321	0.34801				0.31476	12.860
88 2-chlorotoluene	0.42369	0.29678	0.38002	0.31328	0.31252	0.30243		
	0.30544	0.29064	0.34163				0.32960	13.575
89 4-Ethyltoluene	1.52398	1.08357	1.29995	1.07594	1.08321	1.06055		
	1.06913	1.02216	1.19887				1.15748	13.980

Report Date : 26-Aug-2011 12:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-AUG-2011 18:41
End Cal Date : 26-AUG-2011 11:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
90 1,3,5-Trimethylbenzene	0.66153	0.45218	0.58114	0.49362	0.49724	0.48625		
	0.49185	0.47270	0.58018				0.52408	13.016
91 Alpha-Methylstyrene	0.55471	0.35304	0.49055	0.42262	0.44674	0.44406		
	0.45053	0.43568	0.53225				0.45891	13.133
92 Decane	1.18287	0.77274	0.94673	0.80546	0.94585	0.88877		
	0.96336	0.91276	0.99387				0.93471	12.642
93 tert-butylbenzene	1.21157	0.84322	1.02356	0.89293	0.89921	0.86691		
	0.88957	0.84800	1.02392				0.94432	12.818
94 1,2,4-Trimethylbenzene	1.21046	0.80863	0.99585	0.84643	0.84301	0.83017		
	0.84061	0.80347	0.95199				0.90340	14.662
95 sec-butylbenzene	1.70984	1.13664	1.41562	1.24619	1.25535	1.21104		
	1.22913	1.16246	1.32230				1.29873	13.482
96 1,3-Dichlorobenzene	0.93507	0.61304	0.77848	0.61748	0.63633	0.62583		
	0.63974	0.63463	0.73182				0.69027	15.654
97 Benzyl Chloride	1.15508	0.72733	0.92647	0.70465	0.76843	0.78680		
	0.80152	0.79097	0.89408				0.83948	16.448
98 1,4-Dichlorobenzene	0.94260	0.60227	0.76729	0.59325	0.61585	0.61044		
	0.62326	0.62037	0.70867				0.67600	17.072

Report Date : 26-Aug-2011 12:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-AUG-2011 18:41
End Cal Date : 26-AUG-2011 11:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
99 p-Cymene	1.40613	0.86557	1.10665	0.92795	0.96015	0.93351		
	0.93975	0.89875	1.05214				1.01007	16.465
100 ~ 1,2,3- Trimethylbenzene	1.02569	0.69725	0.85348	0.70463	0.70456	0.68723		
	0.67634	0.63999	0.74524				0.74827	16.029
101 ~ n-butylcyclohexane	1.04085	0.76747	0.92153	0.82682	0.87532	0.81820		
	0.84770	0.79190	0.86914				0.86210	9.438
102 ~ Indane	1.18390	0.74354	0.93903	0.79514	0.77273	0.74515		
	0.74683	0.70900	0.82619				0.82906	17.985
103 1,2-Dichlorobenzene	0.87762	0.57039	0.70112	0.56178	0.58249	0.56401		
	0.57305	0.55534	0.64360				0.62549	16.959
104 n-butylbenzene	1.49502	0.91088	1.15236	0.88777	0.96640	0.94814		
	0.95364	0.91487	1.02065				1.02775	18.701
105 ~ Indene	0.84987	0.53699	0.71135	0.56670	0.58876	0.57564		
	0.57587	0.55907	0.65350				0.62420	16.069
106 Undecane	+++++	+++++	0.92466	0.54104	0.64534	0.63985		
	0.72731	0.77021	0.91997				0.73834	19.636
107 ~ 1,2-dimethyl-4-ethylenzene	1.25507	0.78668	0.96083	0.67868	0.76081	0.74964		
	0.75548	0.74094	0.84238				0.83672	21.002

Report Date : 26-Aug-2011 12:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-AUG-2011 18:41
End Cal Date : 26-AUG-2011 11:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
108 ~ 1,2,4,5-tetramethylbenzene	1.23653	0.77286	0.89926	0.54083	0.68699	0.68504		
	0.70479	0.71208	0.79151				0.78110	25.119
109 ~ 1,2,3,5-tetramethylbenzene	+++++	0.65272	0.70433	0.41910	0.36894	0.53397		
	0.53645	0.54618	0.60257				0.54553	20.476
110 ~ 1,2,3,4-tetramethylbenzene	+++++	0.71891	0.79004	0.41755	0.55333	0.55328		
	0.56237	0.58345	0.63606				0.60187	18.930
111 Dodecane	+++++	+++++	0.87796	0.43100	0.64739	0.46041		
	0.58293	0.67585	0.68047				0.62229	24.247
112 1,2,4-Trichlorobenzene	+++++	0.37992	0.47379	0.22745	0.33628	0.33435		
	0.33754	0.36940	0.41512				0.35923	19.897
113 Napthalene	+++++	0.88465	1.03658	0.48288	0.71108	0.69869		
	0.68421	0.72090	0.74605				0.74563	21.554
114 ~ benzo(b) thiophene	+++++	0.56847	0.68804	0.32898	0.44775	0.46328		
	0.43743	0.47327	0.47209				0.48491	21.623
115 Hexachlorobutadiene	+++++	0.33561	0.39325	0.24895	0.36821	0.34021		
	0.35297	0.35597	0.44654				0.35521	15.733
116 1,2,3-trichlorobenzene	+++++	0.38766	0.43773	0.19394	0.28416	0.27643		
	0.25799	0.28629	0.28943				0.30170	25.289

Report Date : 26-Aug-2011 12:58

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 25-AUG-2011 18:41
End Cal Date : 26-AUG-2011 11:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Cal Date : 26-Aug-2011 12:55 tajh
Curve Type : Average

Compound	0.04000 Level 1	0.08000 Level 2	0.16000 Level 3	0.40000 Level 4	1.000 Level 5	2.000 Level 6	___ RRF	% RSD
	4.000 Level 7	8.000 Level 8	16.000 Level 9					
117 ~ 2-Methylnaphthalene	+++++	+++++	0.09964	0.04912	0.08238	0.05514		
	0.06333	0.07138	0.06642				0.06963	24.505
118 ~ 1-Methylnaphthalene	+++++	+++++	0.09021	0.04931	0.07682	0.04770		
	0.05134	0.05583	0.05289				0.06059	26.968
$ 4 4-Bromofluorobenzene	0.74639	0.74405	0.75618	0.73761	0.75642	0.77804		
	0.76777	0.78187	0.76495				0.75925	2.004

Data File: /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Report Date: 26-Aug-2011 12:59

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Lab Smp Id: ICAL1 Client Smp ID: STD 0.04
Inj Date : 26-AUG-2011 11:05
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL1,,1,1,,STD 0.04
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 12:59 tajh Quant Type: ISTD
Cal Date : 26-AUG-2011 11:05 Cal File: jich251r.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.242	9.242	(1.000)	452257	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.416	11.416	(1.000)	2172279	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.112	16.112	(1.000)	1885323	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.737	17.737	(1.101)	1407183	4.00000	3.932
	5 Chlorodifluoromethane	67	3.879	3.879	(0.420)	3843	0.04000	0.06928
	6 Propene	41	3.901	3.901	(0.422)	17111	0.04000	0.07400
	7 Dichlorodifluoromethane	85	3.949	3.949	(0.427)	33354	0.04000	0.05859
	8 Chloromethane	52	4.148	4.148	(0.449)	5780	0.04000	0.07735
	9 1,2-Dichlorotetrafluoroethane	135	4.154	4.154	(0.449)	19137	0.04000	0.05746
	10 Methanol	31	4.288	4.288	(0.464)	6739	0.04000	0.1281
	11 ~ acetaldehyde	44	4.310	4.310	(0.466)	19954	0.20240	0.4880
	12 Vinyl Chloride	62	4.331	4.331	(0.469)	13995	0.04000	0.05914
	13 n-Butane	43	4.428	4.428	(0.479)	22435	0.04000	0.05788
	14 1,3-Butadiene	54	4.423	4.423	(0.478)	10527	0.04000	0.05946
	15 Bromomethane	94	4.767	4.767	(0.516)	12118	0.04000	0.07500

Data File: /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Report Date: 26-Aug-2011 12:59

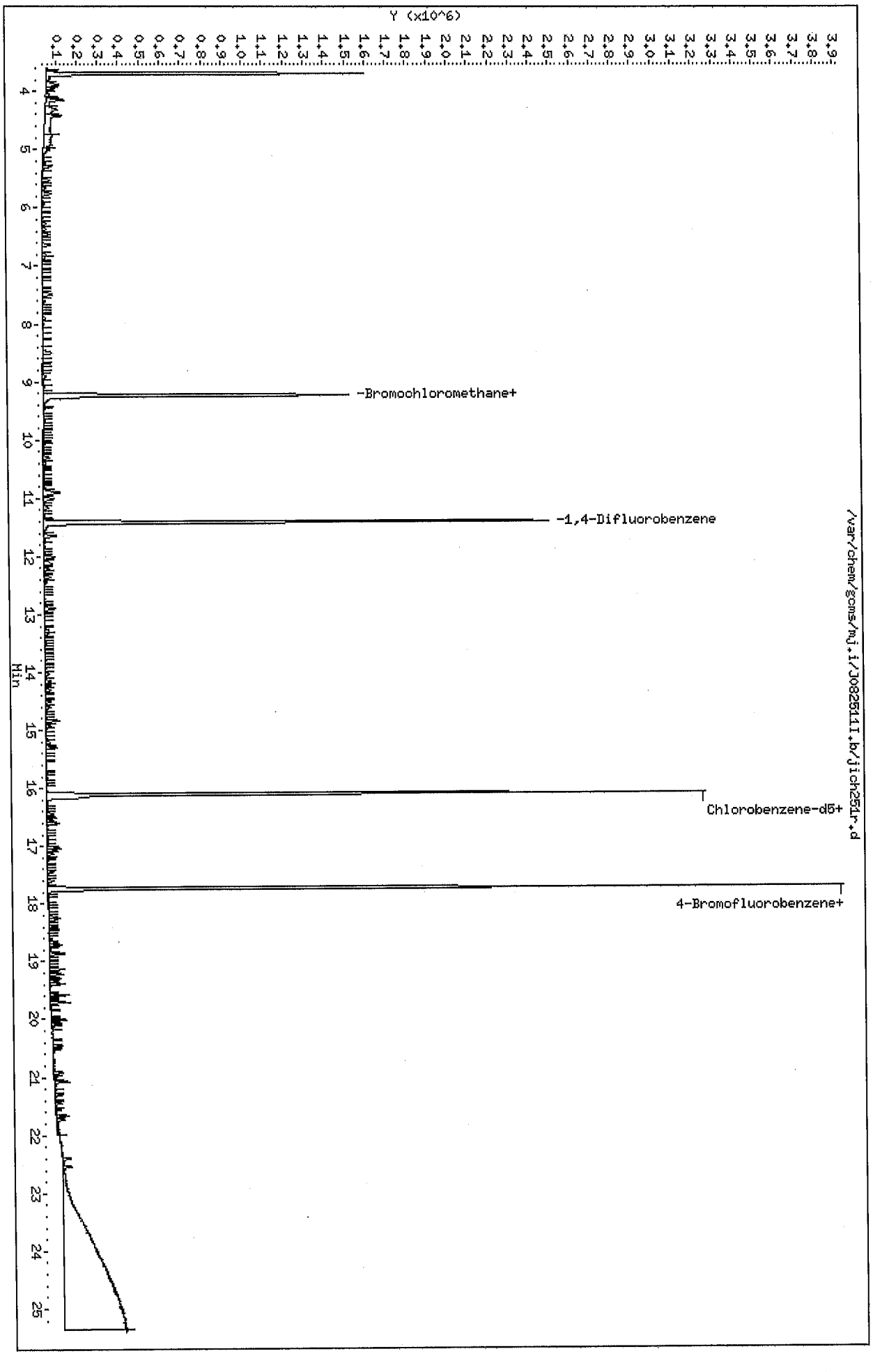
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.923	4.923	(0.533)	6311	0.04000	0.06115
17 ~ ethanol	31	5.009	5.009	(0.542)	24024	0.20880	0.3528
18 Vinyl Bromide	106	5.246	5.246	(0.568)	10043	0.04000	0.05785
19 2-methyl butane	43	5.299	5.299	(0.573)	21360	0.04000	0.06245
20 Trichlorofluoromethane	101	5.531	5.531	(0.598)	26844	0.04000	0.05700
21 Acrolein	56	5.531	5.531	(0.598)	3812	0.04000	0.09244
22 Acetonitrile	40	5.595	5.595	(0.605)	3001	0.04000	0.04633
23 Acetone	58	5.660	5.660	(0.612)	7437	0.04000	0.1110
24 Isopropyl alcohol	45	5.740	5.740	(0.621)	17795	0.04000	0.06915
25 Pentane	72	5.762	5.762	(0.623)	1924	0.04000	0.06002
26 Ethyl Ether	31	5.939	5.939	(0.643)	9581	0.04000	0.04014
27 1,1-Dichloroethene	96	6.273	6.273	(0.679)	9267	0.04000	0.05724
28 tert-butanol	59	6.354	6.354	(0.687)	18821	0.04000	0.06106
29 Acrylonitrile	53	6.364	6.364	(0.689)	4890	0.04000	0.04504
30 1,1,2-Trichlorotrifluoroethane	101	6.456	6.456	(0.698)	18823	0.04000	0.05622
31 Methylene Chloride	84	6.628	6.628	(0.717)	12544	0.04000	0.07772
32 3-Chloropropene	39	6.644	6.644	(0.719)	12670	0.04000	0.05909
33 Carbon Disulfide	76	6.806	6.806	(0.736)	32426	0.04000	0.05659
34 trans-1,2-Dichloroethene	96	7.467	7.467	(0.808)	10458	0.04000	0.05639
35 ~ 2-Methyl Pentane	43	7.494	7.494	(0.811)	34074	0.04000	0.05601
36 Methyl-t-Butyl Ether	73	7.613	7.613	(0.824)	15369	0.04000	0.04822
37 1,1-Dichloroethane	63	7.898	7.898	(0.854)	21511	0.04000	0.05578
38 Vinyl Acetate	43	8.005	8.005	(0.866)	13839	0.04000	0.03748
39 2-Butanone	72	8.468	8.468	(0.916)	3111	0.04000	0.05634
40 Hexane	56	8.495	8.495	(0.919)	12580	0.04000	0.05989
41 cis 1,2-Dichloroethene	96	8.898	8.898	(0.963)	9938	0.04000	0.05522
42 Ethyl acetate	43	9.092	9.092	(0.984)	16737	0.04000	0.04976
43 Chloroform	83	9.253	9.253	(1.001)	20892	0.04000	0.05529
44 Tetrahydrofuran	42	9.684	9.684	(1.048)	8243	0.04000	0.04474
45 1,1,1-Trichloroethane	97	10.308	10.308	(1.115)	21053	0.04000	0.05602
46 1,2-Dichloroethane	62	10.404	10.404	(0.911)	12477	0.04000	0.04594
47 1-Butanol	31	10.829	10.829	(0.949)	6042	0.04000	0.05821
48 Benzene	78	10.889	10.889	(0.954)	27018	0.04000	0.05013
49 Cyclohexane	69	10.905	10.905	(0.955)	6395	0.04000	0.05746
50 Carbon Tetrachloride	117	10.921	10.921	(0.957)	20892	0.04000	0.05584
51 ~ 2,3-dimethylpentane	71	11.018	11.018	(0.965)	7206	0.04120	0.05519
52 ~ Thiophene	84	11.158	11.158	(0.977)	14154	0.04160	0.04662
53 2,2,4-trimethylpentane	57	11.642	11.642	(1.020)	61758	0.04000	0.05381
54 Heptane	71	12.008	12.008	(1.052)	10729	0.04000	0.05422
55 1,2-Dichloropropane	63	12.088	12.088	(1.059)	9365	0.04000	0.04602
56 Trichloroethene	130	12.126	12.126	(1.062)	13198	0.04000	0.05169
57 Dibromomethane	93	12.207	12.207	(1.069)	12307	0.04000	0.05238
58 Bromodichloromethane	83	12.346	12.346	(1.082)	19221	0.04000	0.04877
59 1,4-dioxane	88	12.368	12.368	(1.083)	2935	0.04000	0.05307
60 Methyl Methacrylate	41	12.433	12.433	(1.089)	9661	0.04000	0.04632
61 ~ methyl cyclohexane	83	12.901	12.901	(1.130)	18859	0.04160	0.05611
62 4-Methyl-2-pentanone	43	13.272	13.272	(1.163)	23259	0.04000	0.05778

Data File: /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Report Date: 26-Aug-2011 12:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.336	13.336	(1.168)	11250	0.04000	0.04254
64	trans-1,3-Dichloropropene	75	14.025	14.025	(0.870)	10332	0.04000	0.04303
65	Toluene	91	14.154	14.154	(0.878)	21790	0.04000	0.04531
66	1,1,2-Trichloroethane	83	14.219	14.219	(0.882)	7499	0.04000	0.04614
67	~ 2-methyl thiophene	97	14.305	14.305	(0.888)	19609	0.04200	0.04768
68	~ 3-methyl thiophene	97	14.498	14.498	(0.900)	19385	0.04160	0.04696
69	2-Hexanone	58	14.600	14.600	(0.906)	9126	0.04000	0.05170
70	Octane	85	14.832	14.832	(0.921)	9130	0.04000	0.05003
71	Dibromochloromethane	129	14.923	14.923	(0.926)	13938	0.04000	0.04423
72	1,2-Dibromoethane	107	15.214	15.214	(0.944)	12548	0.04000	0.04484
73	Tetrachloroethene	129	15.289	15.289	(0.949)	10917	0.04000	0.05425
74	Chlorobenzene	112	16.160	16.160	(1.003)	19468	0.04000	0.05018
75	~ 2,3-dimethylheptane	43	16.171	16.171	(1.004)	39679	0.04160	0.05276
76	Ethylbenzene	91	16.440	16.440	(1.020)	26794	0.04000	0.04890
77	~ 2-ethyl thiophene	97	16.542	16.542	(1.027)	21686	0.04120	0.04930
78	m&p-Xylene	91	16.602	16.602	(1.030)	42014	0.08000	0.09986
79	Nonane	57	17.010	17.010	(1.056)	19963	0.04000	0.04706
80	Bromoform	173	17.053	17.053	(1.058)	11753	0.04000	0.04415
81	Styrene	104	17.064	17.064	(1.059)	13785	0.04000	0.04492
82	o-Xylene	91	17.123	17.123	(1.063)	22306	0.04000	0.05098
M 83	Xylene (total)	100				64320	0.12000	0.1508
84	1,1,2,2-Tetrachloroethane	83	17.441	17.441	(1.082)	18951	0.04000	0.05372
85	1,2,3-Trichloropropane	110	17.602	17.602	(1.092)	4264	0.04000	0.05342
86	Cumene	105	17.710	17.710	(1.099)	29318	0.04000	0.05162
87	n-Propylbenzene	120	18.226	18.226	(1.131)	7502	0.04000	0.05057
88	2-chlorotoluene	126	18.275	18.275	(1.134)	7988	0.04000	0.05142
89	4-Ethyltoluene	105	18.377	18.377	(1.141)	28732	0.04000	0.05266
90	1,3,5-Trimethylbenzene	120	18.447	18.447	(1.145)	12472	0.04000	0.05049
91	Alpha-Methylstyrene	118	18.667	18.667	(1.159)	10458	0.04000	0.04835
92	Decane	57	18.721	18.721	(1.162)	22301	0.04000	0.05062
93	tert-butylbenzene	119	18.861	18.861	(1.171)	22842	0.04000	0.05132
94	1,2,4-Trimethylbenzene	105	18.877	18.877	(1.172)	22821	0.04000	0.05360
95	sec-butylbenzene	105	19.125	19.125	(1.187)	32236	0.04000	0.05266
96	1,3-Dichlorobenzene	146	19.141	19.141	(1.188)	17629	0.04000	0.05418
97	Benzyl Chloride	91	19.211	19.211	(1.192)	21777	0.04000	0.05504
98	1,4-Dichlorobenzene	146	19.221	19.221	(1.193)	17771	0.04000	0.05577
99	p-Cymene	119	19.281	19.281	(1.197)	26510	0.04000	0.05568
100	~ 1,2,3- Trimethylbenzene	105	19.334	19.334	(1.200)	20111	0.04160	0.05702
101	~ n-butylcyclohexane	83	19.388	19.388	(1.203)	20212	0.04120	0.04974
102	~ Indane	117	19.576	19.576	(1.215)	22990	0.04120	0.05883
103	1,2-Dichlorobenzene	146	19.576	19.576	(1.215)	16546	0.04000	0.05612
104	n-butylbenzene	91	19.706	19.706	(1.223)	28186	0.04000	0.05819
105	~ Indene	116	19.706	19.706	(1.223)	16824	0.04200	0.05718
106	Undecane	57	20.001	20.001	(1.241)	23057	0.04000	0.06626
107	~ 1,2-dimethyl-4-ethylenzene	119	20.071	20.071	(1.246)	24372	0.04120	0.06180
108	~ 1,2,4,5-tetramethylbenzene	119	20.453	20.453	(1.269)	24012	0.04120	0.06522
109	~ 1,2,3,5-tetramethylbenzene	119	20.512	20.512	(1.273)	21701	0.04200	0.08440

Data File: /var/chem/gcms/mj.i/J082511I.b/jich251r.d
Report Date: 26-Aug-2011 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.921	20.921	(1.298)	21514	0.04080	0.07584
111 Dodecane	57	21.072	21.072	(1.308)	23103	0.04000	0.07877
112 1,2,4-Trichlorobenzene	180	21.298	21.298	(1.322)	11999	0.04000	0.07087
113 Napthalene	128	21.448	21.448	(1.331)	25317	0.04000	0.07204
114 ~ benzo(b) thiophene	134	21.556	21.556	(1.338)	17087	0.04080	0.07476
115 Hexachlorobutadiene	225	21.658	21.658	(1.344)	10181	0.04000	0.06081
116 1,2,3-trichlorobenzene	180	21.723	21.723	(1.348)	10818	0.04000	0.07607
117 ~ 2-Methylnaphthalene	142	22.406	22.406	(1.391)	15981	0.25000	0.4869
118 ~ 1-Methylnaphthalene	142	22.541	22.541	(1.399)	16603	0.25000	0.5814


Data File: /var/chem/gcms/mj.i/J0825l1I.b/jich251r.d
Date : 26-AUG-2011 11:05
Client ID: STD 0.04
Sample Info: ICAL1,1,1,1,STD 0.04
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J0825l1I.b/jich251r.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Report Date: 26-Aug-2011 12:59

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Lab Smp Id: ICAL2 Client Smp ID: STD 0.08
Inj Date : 26-AUG-2011 09:24
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL2,,1,2,,STD 0.08
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 12:59 tajh Quant Type: ISTD
Cal Date : 26-AUG-2011 09:24 Cal File: jich252r.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.242	9.242	(1.000)	455243	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.420	11.420	(1.000)	2190044	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.111	16.111	(1.000)	1847506	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.736	17.736	(1.101)	1374644	4.00000	3.920
	5 Chlorodifluoromethane	67	3.889	3.889	(0.421)	6164	0.08000	0.1104
	6 Propene	41	3.900	3.900	(0.422)	27926	0.08000	0.1200
	7 Dichlorodifluoromethane	85	3.954	3.954	(0.428)	58730	0.08000	0.1025
	8 Chloromethane	52	4.147	4.147	(0.449)	7599	0.08000	0.1010
	9 1,2-Dichlorotetrafluoroethane	135	4.153	4.153	(0.449)	34407	0.08000	0.1026
	10 Methanol	31	4.282	4.282	(0.463)	12435	0.08000	0.2348
	11 ~ acetaldehyde	44	4.309	4.309	(0.466)	37343	0.40480	0.9074
	12 Vinyl Chloride	62	4.330	4.330	(0.469)	24540	0.08000	0.1030
	13 n-Butane	43	4.427	4.427	(0.479)	40989	0.08000	0.1050
	14 1,3-Butadiene	54	4.427	4.427	(0.479)	17667	0.08000	0.09913
	15 Bromomethane	94	4.766	4.766	(0.516)	17553	0.08000	0.1079

Data File: /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Report Date: 26-Aug-2011 12:59

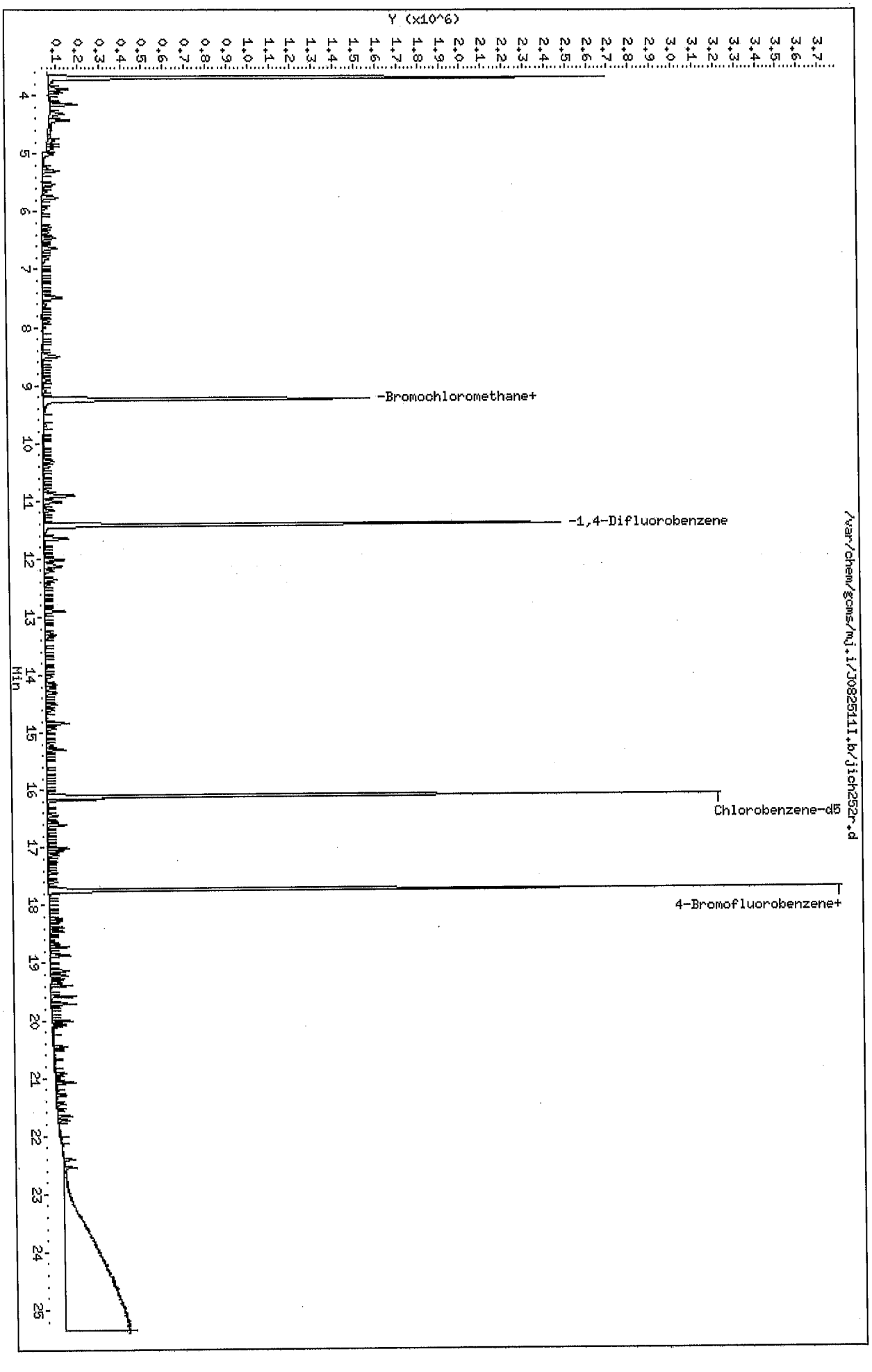
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
16 Chloroethane	64	4.917	4.917	(0.532)	10470	0.08000	0.1008
17 ~ ethanol	31	5.003	5.003	(0.541)	40803	0.41760	0.5953
18 Vinyl Bromide	106	5.245	5.245	(0.568)	17694	0.08000	0.1012
19 2-methyl butane	43	5.299	5.299	(0.573)	36422	0.08000	0.1058
20 Trichlorofluoromethane	101	5.530	5.530	(0.598)	48139	0.08000	0.1015
21 Acrolein	56	5.541	5.541	(0.600)	7098	0.08000	0.1710
22 Acetonitrile	40	5.600	5.600	(0.606)	5498	0.08000	0.08432
23 Acetone	58	5.664	5.664	(0.613)	13222	0.08000	0.1960
24 Isopropyl alcohol	45	5.729	5.729	(0.620)	30192	0.08000	0.1166
25 Pentane	72	5.756	5.756	(0.623)	3101	0.08000	0.09610
26 Ethyl Ether	31	5.944	5.944	(0.643)	20458	0.08000	0.08514
27 1,1-Dichloroethene	96	6.272	6.272	(0.679)	16471	0.08000	0.1011
28 tert-butanol	59	6.353	6.353	(0.687)	32314	0.08000	0.1041
29 Acrylonitrile	53	6.364	6.364	(0.689)	9307	0.08000	0.08517
30 1,1,2-Trichlorotrifluoroethane	101	6.461	6.461	(0.699)	34339	0.08000	0.1019
31 Methylene Chloride	84	6.622	6.622	(0.717)	20647	0.08000	0.1271
32 3-Chloropropene	39	6.649	6.649	(0.719)	23723	0.08000	0.1099
33 Carbon Disulfide	76	6.805	6.805	(0.736)	58309	0.08000	0.1011
34 trans-1,2-Dichloroethene	96	7.472	7.472	(0.808)	18205	0.08000	0.09752
35 ~ 2-Methyl Pentane	43	7.493	7.493	(0.811)	62767	0.08000	0.1025
36 Methyl-t-Butyl Ether	73	7.601	7.601	(0.822)	25420	0.08000	0.07922
37 1,1-Dichloroethane	63	7.897	7.897	(0.854)	39848	0.08000	0.1026
38 Vinyl Acetate	43	7.999	7.999	(0.866)	27657	0.08000	0.07442
39 2-Butanone	72	8.462	8.462	(0.916)	4766	0.08000	0.08575
40 Hexane	56	8.505	8.505	(0.920)	22128	0.08000	0.1046
41 cis 1,2-Dichloroethene	96	8.908	8.908	(0.964)	17977	0.08000	0.09924
42 Ethyl acetate	43	9.091	9.091	(0.984)	27983	0.08000	0.08265
43 Chloroform	83	9.253	9.253	(1.001)	40367	0.08000	0.1061
44 Tetrahydrofuran	42	9.678	9.678	(1.047)	15586	0.08000	0.08405
45 1,1,1-Trichloroethane	97	10.307	10.307	(1.115)	38709	0.08000	0.1023
46 1,2-Dichloroethane	62	10.404	10.404	(0.911)	26671	0.08000	0.09741
47 1-Butanol	31	10.829	10.829	(0.948)	10652	0.08000	0.1018
48 Benzene	78	10.893	10.893	(0.954)	54140	0.08000	0.09963
49 Cyclohexane	69	10.904	10.904	(0.955)	10953	0.08000	0.09762
50 Carbon Tetrachloride	117	10.920	10.920	(0.956)	38592	0.08000	0.1023
51 ~ 2,3-dimethylpentane	71	11.012	11.012	(0.964)	13313	0.08240	0.1011
52 ~ Thiophene	84	11.162	11.162	(0.977)	32060	0.08320	0.1047
53 2,2,4-trimethylpentane	57	11.646	11.646	(1.020)	119297	0.08000	0.1031
54 Heptane	71	12.007	12.007	(1.051)	19637	0.08000	0.09843
55 1,2-Dichloropropane	63	12.088	12.088	(1.058)	18015	0.08000	0.08781
56 Trichloroethene	130	12.131	12.131	(1.062)	26711	0.08000	0.1038
57 Dibromomethane	93	12.206	12.206	(1.069)	22972	0.08000	0.09698
58 Bromodichloromethane	83	12.351	12.351	(1.081)	36455	0.08000	0.09175
59 1,4-dioxane	88	12.367	12.367	(1.083)	4829	0.08000	0.08660
60 Methyl Methacrylate	41	12.437	12.437	(1.089)	14912	0.08000	0.07091
61 ~ methyl cyclohexane	83	12.900	12.900	(1.130)	34234	0.08320	0.1010
62 4-Methyl-2-pentanone	43	13.276	13.276	(1.163)	33169	0.08000	0.08173

Data File: /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Report Date: 26-Aug-2011 12:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.336	13.336	(1.168)	22941	0.08000	0.08605
64	trans-1,3-Dichloropropene	75	14.019	14.019	(0.870)	19314	0.08000	0.08209
65	Toluene	91	14.153	14.153	(0.878)	40592	0.08000	0.08613
66	1,1,2-Trichloroethane	83	14.223	14.223	(0.883)	14074	0.08000	0.08837
67	~ 2-methyl thiophene	97	14.309	14.309	(0.888)	38010	0.08400	0.09431
68	~ 3-methyl thiophene	97	14.503	14.503	(0.900)	37108	0.08320	0.09174
69	2-Hexanone	58	14.600	14.600	(0.906)	15079	0.08000	0.08718
70	Octane	85	14.831	14.831	(0.921)	16527	0.08000	0.09242
71	Dibromochloromethane	129	14.923	14.923	(0.926)	25709	0.08000	0.08326
72	1,2-Dibromoethane	107	15.213	15.213	(0.944)	23586	0.08000	0.08600
73	Tetrachloroethene	129	15.294	15.294	(0.949)	18993	0.08000	0.09632
74	Chlorobenzene	112	16.160	16.160	(1.003)	33428	0.08000	0.08794
75	~ 2,3-dimethylheptane	43	16.171	16.171	(1.004)	70608	0.08320	0.09582
76	Ethylbenzene	91	16.445	16.445	(1.021)	41288	0.08000	0.07689
77	~ 2-ethyl thiophene	97	16.547	16.547	(1.027)	34557	0.08240	0.08017
78	m&p-Xylene	91	16.601	16.601	(1.030)	62713	0.16000	0.1521
79	Nonane	57	17.015	17.015	(1.056)	33121	0.08000	0.07967
80	Bromoform	173	17.053	17.053	(1.058)	19222	0.08000	0.07369
81	Styrene	104	17.064	17.064	(1.059)	19883	0.08000	0.06611
82	o-Xylene	91	17.128	17.128	(1.063)	32522	0.08000	0.07584
M 83	Xylene (total)	100				95235	0.24000	0.2280
84	1,1,2,2-Tetrachloroethane	83	17.440	17.440	(1.082)	25414	0.08000	0.07351
85	1,2,3-Trichloropropane	110	17.601	17.601	(1.092)	5820	0.08000	0.07441
86	Cumene	105	17.709	17.709	(1.099)	41532	0.08000	0.07462
87	n-Propylbenzene	120	18.231	18.231	(1.132)	10119	0.08000	0.06960
88	2-chlorotoluene	126	18.274	18.274	(1.134)	10966	0.08000	0.07203
89	4-Ethyltoluene	105	18.376	18.376	(1.141)	40038	0.08000	0.07489
90	1,3,5-Trimethylbenzene	120	18.446	18.446	(1.145)	16708	0.08000	0.06902
91	Alpha-Methylstyrene	118	18.667	18.667	(1.159)	13045	0.08000	0.06154
92	Decane	57	18.720	18.720	(1.162)	28553	0.08000	0.06614
93	tert-butylbenzene	119	18.860	18.860	(1.171)	31157	0.08000	0.07143
94	1,2,4-Trimethylbenzene	105	18.871	18.871	(1.171)	29879	0.08000	0.07161
95	sec-butylbenzene	105	19.124	19.124	(1.187)	41999	0.08000	0.07002
96	1,3-Dichlorobenzene	146	19.140	19.140	(1.188)	22652	0.08000	0.07105
97	Benzyl Chloride	91	19.210	19.210	(1.192)	26875	0.08000	0.06931
98	1,4-Dichlorobenzene	146	19.226	19.226	(1.193)	22254	0.08000	0.07127
99	p-Cymene	119	19.280	19.280	(1.197)	31983	0.08000	0.06856
100	~ 1,2,3- Trimethylbenzene	105	19.334	19.334	(1.200)	26794	0.08320	0.07753
101	~ n-butylcyclohexane	83	19.387	19.387	(1.203)	29209	0.08240	0.07336
102	~ Indane	117	19.581	19.581	(1.215)	28298	0.08240	0.07390
103	1,2-Dichlorobenzene	146	19.581	19.581	(1.215)	21076	0.08000	0.07295
104	n-butylbenzene	91	19.705	19.705	(1.223)	33657	0.08000	0.07090
105	~ Indene	116	19.705	19.705	(1.223)	20834	0.08400	0.07226
106	Undecane	57	20.001	20.001	(1.241)	27982	0.08000	0.08205
107	~ 1,2-dimethyl-4-ethylenzene	119	20.071	20.071	(1.246)	29940	0.08240	0.07747
108	~ 1,2,4,5-tetramethylbenzene	119	20.453	20.453	(1.269)	29414	0.08240	0.08153
109	~ 1,2,3,5-tetramethylbenzene	119	20.512	20.512	(1.273)	25324	0.08400	0.1005

Data File: /var/chem/gcms/mj.i/J082511I.b/jich252r.d
Report Date: 26-Aug-2011 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.921	20.921	(1.298)	27095	0.08160	0.09747
111 Dodecane	57	21.077	21.077	(1.308)	31633	0.08000	0.1100
112 1,2,4-Trichlorobenzene	180	21.297	21.297	(1.322)	14038	0.08000	0.08461
113 Napthalene	128	21.448	21.448	(1.331)	32688	0.08000	0.09492
114 ~ benzo(b) thiophene	134	21.555	21.555	(1.338)	21425	0.08160	0.09566
115 Hexachlorobutadiene	225	21.652	21.652	(1.344)	12401	0.08000	0.07559
116 1,2,3-trichlorobenzene	180	21.728	21.728	(1.349)	14324	0.08000	0.1028
117 ~ 2-Methylnaphthalene	142	22.405	22.405	(1.391)	22378	0.50000	0.6958
118 ~ 1-Methylnaphthalene	142	22.540	22.540	(1.399)	23329	0.50000	0.8337


Data File: /var/chem/gcms/mj.i/J0825111.b/jich252r.d
Date : 26-AUG-2011 09:24
Client ID: STD 0.08
Sample Info: ICAL2,1,2,STD 0.08
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J0825111.b/jich252r.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Report Date: 26-Aug-2011 12:59

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich253.d
Lab Smp Id: ICAL3 Client Smp ID: STD 0.16
Inj Date : 25-AUG-2011 18:41
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL3,,1,3,,STD 0.16
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 12:59 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 18:41 Cal File: jich253.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allmdl.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.243	9.243	(1.000)	490649	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.416	11.416	(1.000)	2281812	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.113	16.113	(1.000)	2008655	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.737	17.737	(1.101)	1518898	4.00000	3.984
	5 Chlorodifluoromethane	67	3.885	3.885	(0.420)	11466	0.16000	0.1905
	6 Propene	41	3.901	3.901	(0.422)	52246	0.16000	0.2083
	7 Dichlorodifluoromethane	85	3.955	3.955	(0.428)	113544	0.16000	0.1838
	8 Chloromethane	52	4.149	4.149	(0.449)	16532	0.16000	0.2039
	9 1,2-Dichlorotetrafluoroethane	135	4.154	4.154	(0.449)	64508	0.16000	0.1785
	10 Methanol	31	4.283	4.283	(0.463)	21392	0.16000	0.3747
	11 ~ acetaldehyde	44	4.315	4.315	(0.467)	59082	0.80960	1.332
	12 Vinyl Chloride	62	4.332	4.332	(0.469)	44817	0.16000	0.1746
	13 n-Butane	43	4.428	4.428	(0.479)	72489	0.16000	0.1724
	14 1,3-Butadiene	54	4.428	4.428	(0.479)	33083	0.16000	0.1722
	15 Bromomethane	94	4.767	4.767	(0.516)	32907	0.16000	0.1877

Data File: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Report Date: 26-Aug-2011 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.923	4.923	(0.533)	19729	0.16000	0.1762
17 ~ ethanol	31	5.009	5.009	(0.542)	75180	0.83520	1.018
18 Vinyl Bromide	106	5.241	5.241	(0.567)	32815	0.16000	0.1742
19 2-methyl butane	43	5.300	5.300	(0.573)	63841	0.16000	0.1720
20 Trichlorofluoromethane	101	5.531	5.531	(0.598)	91079	0.16000	0.1783
21 Acrolein	56	5.531	5.531	(0.598)	6504	0.16000	0.1454
22 Acetonitrile	40	5.601	5.601	(0.606)	10801	0.16000	0.1537
23 Acetone	58	5.660	5.660	(0.612)	28901	0.16000	0.3975
24 Isopropyl alcohol	45	5.736	5.736	(0.621)	59672	0.16000	0.2138
25 Pentane	72	5.768	5.768	(0.624)	6015	0.16000	0.1730
26 Ethyl Ether	31	5.940	5.940	(0.643)	42799	0.16000	0.1652
27 1,1-Dichloroethene	96	6.268	6.268	(0.678)	32125	0.16000	0.1829
28 tert-butanol	59	6.354	6.354	(0.687)	65190	0.16000	0.1949
29 Acrylonitrile	53	6.365	6.365	(0.689)	18545	0.16000	0.1574
30 1,1,2-Trichlorotrifluoroethane	101	6.456	6.456	(0.699)	64975	0.16000	0.1789
31 Methylene Chloride	84	6.629	6.629	(0.717)	35040	0.16000	0.2001
32 3-Chloropropene	39	6.645	6.645	(0.719)	41183	0.16000	0.1770
33 Carbon Disulfide	76	6.806	6.806	(0.736)	109723	0.16000	0.1765
34 trans-1,2-Dichloroethene	96	7.473	7.473	(0.809)	34901	0.16000	0.1735
35 ~ 2-Methyl Pentane	43	7.495	7.495	(0.811)	118523	0.16000	0.1796
36 Methyl-t-Butyl Ether	73	7.602	7.602	(0.822)	59573	0.16000	0.1723
37 1,1-Dichloroethane	63	7.898	7.898	(0.854)	77474	0.16000	0.1852
38 Vinyl Acetate	43	8.000	8.000	(0.866)	64898	0.16000	0.1620
39 2-Butanone	72	8.463	8.463	(0.916)	12428	0.16000	0.2075
40 Hexane	56	8.501	8.501	(0.920)	40484	0.16000	0.1776
41 cis 1,2-Dichloroethene	96	8.904	8.904	(0.963)	35646	0.16000	0.1826
42 Ethyl acetate	43	9.087	9.087	(0.983)	64963	0.16000	0.1780
43 Chloroform	83	9.254	9.254	(1.001)	77222	0.16000	0.1884
44 Tetrahydrofuran	42	9.679	9.679	(1.047)	33985	0.16000	0.1700
45 1,1,1-Trichloroethane	97	10.308	10.308	(1.115)	74912	0.16000	0.1837
46 1,2-Dichloroethane	62	10.405	10.405	(0.911)	52930	0.16000	0.1855
47 1-Butanol	31	10.830	10.830	(0.949)	21936	0.16000	0.2012
48 Benzene	78	10.894	10.894	(0.954)	107157	0.16000	0.1893
49 Cyclohexane	69	10.900	10.900	(0.955)	22515	0.16000	0.1926
50 Carbon Tetrachloride	117	10.921	10.921	(0.957)	74604	0.16000	0.1898
51 ~ 2,3-dimethylpentane	71	11.013	11.013	(0.965)	26653	0.16480	0.1943
52 ~ Thiophene	84	11.163	11.163	(0.978)	64471	0.16640	0.2022
53 2,2,4-trimethylpentane	57	11.648	11.648	(1.020)	230273	0.16000	0.1910
54 Heptane	71	12.008	12.008	(1.052)	40129	0.16000	0.1931
55 1,2-Dichloropropane	63	12.089	12.089	(1.059)	38852	0.16000	0.1818
56 Trichloroethene	130	12.126	12.126	(1.062)	51125	0.16000	0.1906
57 Dibromomethane	93	12.207	12.207	(1.069)	46632	0.16000	0.1890
58 Bromodichloromethane	83	12.347	12.347	(1.082)	79308	0.16000	0.1916
59 1,4-dioxane	88	12.363	12.363	(1.083)	10921	0.16000	0.1880
60 Methyl Methacrylate	41	12.433	12.433	(1.089)	37150	0.16000	0.1695
61 ~ methyl cyclohexane	83	12.896	12.896	(1.130)	69476	0.16640	0.1968
62 4-Methyl-2-pentanone	43	13.272	13.272	(1.163)	77727	0.16000	0.1838

Data File: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Report Date: 26-Aug-2011 12:59

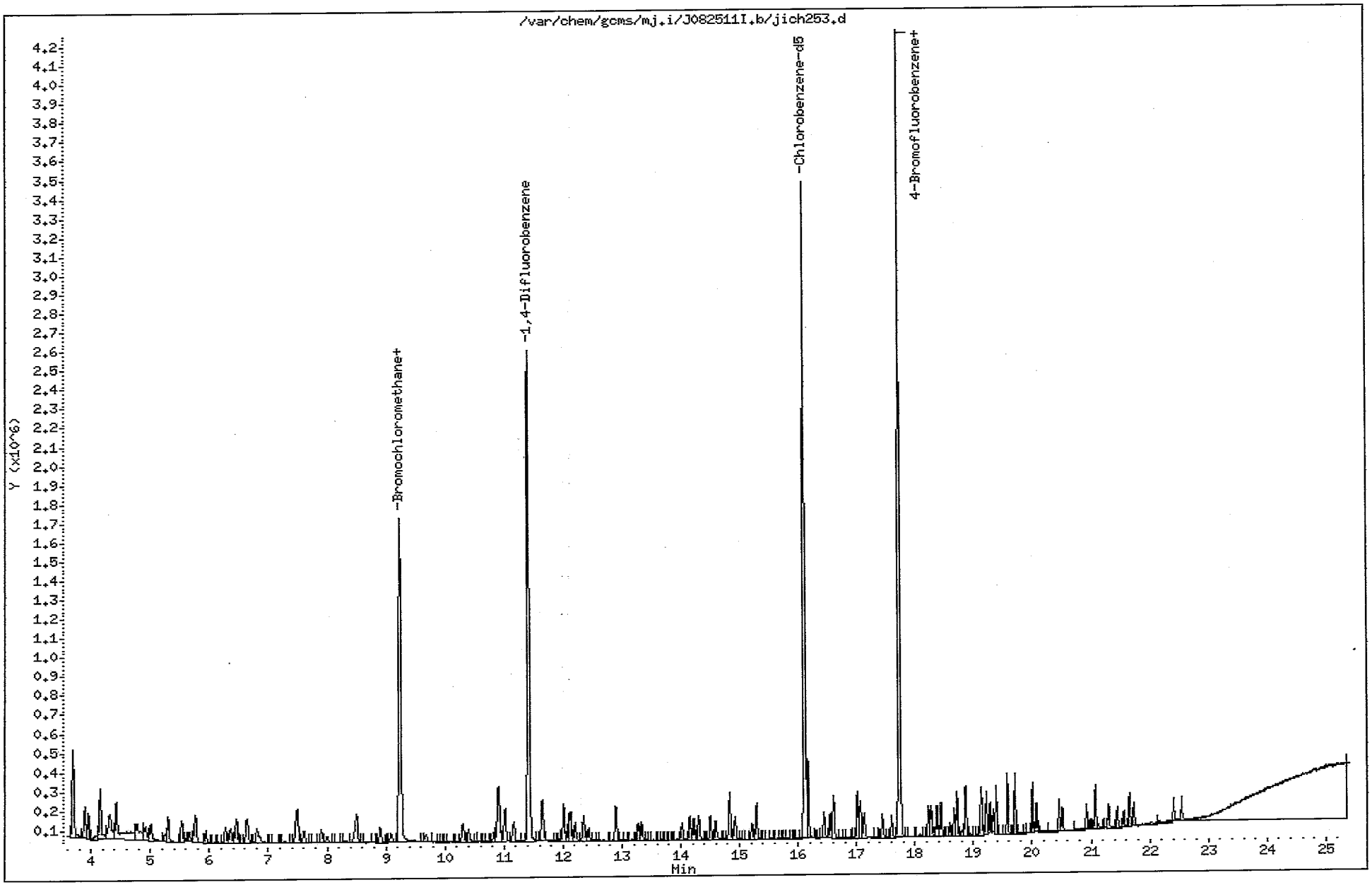
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.337	13.337	(1.168)	51251	0.16000	0.1845
64	trans-1,3-Dichloropropene	75	14.020	14.020	(0.870)	45206	0.16000	0.1767
65	Toluene	91	14.154	14.154	(0.878)	93412	0.16000	0.1823
66	1,1,2-Trichloroethane	83	14.219	14.219	(0.882)	32196	0.16000	0.1859
67	~ 2-methyl thiophene	97	14.305	14.305	(0.888)	82809	0.16800	0.1890
68	~ 3-methyl thiophene	97	14.504	14.504	(0.900)	85740	0.16640	0.1950
69	2-Hexanone	58	14.596	14.596	(0.906)	34813	0.16000	0.1851
70	Octane	85	14.832	14.832	(0.921)	37583	0.16000	0.1933
71	Dibromochloromethane	129	14.924	14.924	(0.926)	62757	0.16000	0.1869
72	1,2-Dibromoethane	107	15.214	15.214	(0.944)	56690	0.16000	0.1901
73	Tetrachloroethene	129	15.295	15.295	(0.949)	42153	0.16000	0.1966
74	Chlorobenzene	112	16.161	16.161	(1.003)	77487	0.16000	0.1875
75	~ 2,3-dimethylheptane	43	16.172	16.172	(1.004)	156122	0.16640	0.1949
76	Ethylbenzene	91	16.441	16.441	(1.020)	102417	0.16000	0.1754
77	~ 2-ethyl thiophene	97	16.543	16.543	(1.027)	86233	0.16480	0.1840
78	m&p-Xylene	91	16.602	16.602	(1.030)	155283	0.32000	0.3464
79	Nonane	57	17.011	17.011	(1.056)	79858	0.16000	0.1767
80	Bromoform	173	17.049	17.049	(1.058)	52001	0.16000	0.1834
81	Styrene	104	17.065	17.065	(1.059)	56713	0.16000	0.1734
82	o-Xylene	91	17.129	17.129	(1.063)	83317	0.16000	0.1787
M 83	Xylene (total)	100				238600	0.48000	0.5251
84	1,1,2,2-Tetrachloroethane	83	17.441	17.441	(1.082)	68041	0.16000	0.1810
85	1,2,3-Trichloropropane	110	17.597	17.597	(1.092)	15792	0.16000	0.1857
86	Cumene	105	17.710	17.710	(1.099)	104550	0.16000	0.1728
87	n-Propylbenzene	120	18.227	18.227	(1.131)	27717	0.16000	0.1754
88	2-chlorotoluene	126	18.275	18.275	(1.134)	30533	0.16000	0.1845
89	4-Ethyltoluene	105	18.377	18.377	(1.141)	104446	0.16000	0.1797
90	1,3,5-Trimethylbenzene	120	18.447	18.447	(1.145)	46692	0.16000	0.1774
91	Alpha-Methylstyrene	118	18.668	18.668	(1.159)	39414	0.16000	0.1710
92	Decane	57	18.722	18.722	(1.162)	76066	0.16000	0.1620
93	tert-butylbenzene	119	18.861	18.861	(1.171)	82239	0.16000	0.1734
94	1,2,4-Trimethylbenzene	105	18.872	18.872	(1.171)	80013	0.16000	0.1764
95	sec-butylbenzene	105	19.125	19.125	(1.187)	113740	0.16000	0.1744
96	1,3-Dichlorobenzene	146	19.141	19.141	(1.188)	62548	0.16000	0.1804
97	Benzyl Chloride	91	19.211	19.211	(1.192)	74438	0.16000	0.1766
98	1,4-Dichlorobenzene	146	19.227	19.227	(1.193)	61649	0.16000	0.1816
99	p-Cymene	119	19.281	19.281	(1.197)	88915	0.16000	0.1753
100	~ 1,2,3- Trimethylbenzene	105	19.335	19.335	(1.200)	71317	0.16640	0.1898
101	~ n-butylcyclohexane	83	19.389	19.389	(1.203)	76263	0.16480	0.1762
102	~ Indane	117	19.577	19.577	(1.215)	77711	0.16480	0.1867
103	1,2-Dichlorobenzene	146	19.577	19.577	(1.215)	56332	0.16000	0.1793
104	n-butylbenzene	91	19.706	19.706	(1.223)	92588	0.16000	0.1794
105	~ Indene	116	19.706	19.706	(1.223)	60012	0.16800	0.1914
106	Undecane	57	20.002	20.002	(1.241)	74293	0.16000	0.2004
107	~ 1,2-dimethyl-4-ethylenzene	119	20.072	20.072	(1.246)	79515	0.16480	0.1892
108	~ 1,2,4,5-tetramethylbenzene	119	20.454	20.454	(1.269)	74420	0.16480	0.1897
109	~ 1,2,3,5-tetramethylbenzene	119	20.508	20.508	(1.273)	59420	0.16800	0.2169

Data File: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Report Date: 26-Aug-2011 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.922	20.922	(1.298)	64746	0.16320	0.2142
111 Dodecane	57	21.072	21.072	(1.308)	70541	0.16000	0.2257
112 1,2,4-Trichlorobenzene	180	21.298	21.298	(1.322)	38067	0.16000	0.2110
113 Napthalene	128	21.449	21.449	(1.331)	83285	0.16000	0.2224
114 ~ benzo(b) thiophene	134	21.551	21.551	(1.338)	56387	0.16320	0.2316
115 Hexachlorobutadiene	225	21.659	21.659	(1.344)	31596	0.16000	0.1771
116 1,2,3-trichlorobenzene	180	21.729	21.729	(1.349)	35170	0.16000	0.2321
117 ~ 2-Methylnaphthalene	142	22.407	22.407	(1.391)	50036	1.00000	1.431
118 ~ 1-Methylnaphthalene	142	22.541	22.541	(1.399)	45301	1.00000	1.489

Data File: /var/chem/gcms/mj.i/J082511I.b/jich253.d
Date : 25-AUG-2011 18:41
Client ID: STD 0.16
Sample Info: ICAL3,,1,3,,STD 0.16
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J082511I.b/jich254.d
Report Date: 26-Aug-2011 12:59

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich254.d
Lab Smp Id: ICAL4 Client Smp ID: STD 0.4
Inj Date : 25-AUG-2011 19:32
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL4,,1,4,,STD 0.4
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 12:59 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 19:32 Cal File: jich254.d
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.245	9.245	(1.000)	492207	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.418	11.418	(1.000)	2425381	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.109	16.109	(1.000)	2133158	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.739	17.739	(1.101)	1573445	4.00000	3.886
	5 Chlorodifluoromethane	67	3.887	3.887	(0.420)	22278	0.40000	0.3690
	6 Propene	41	3.898	3.898	(0.422)	99307	0.40000	0.3946
	7 Dichlorodifluoromethane	85	3.951	3.951	(0.427)	216250	0.40000	0.3490
	8 Chloromethane	52	4.145	4.145	(0.448)	30269	0.40000	0.3722
	9 1,2-Dichlorotetrafluoroethane	135	4.156	4.156	(0.450)	126342	0.40000	0.3486
	11 ~ acetaldehyde	44	4.306	4.306	(0.466)	132619	2.02400	2.980
	12 Vinyl Chloride	62	4.328	4.328	(0.468)	87987	0.40000	0.3417
	13 n-Butane	43	4.425	4.425	(0.479)	145226	0.40000	0.3442
	14 1,3-Butadiene	54	4.419	4.419	(0.478)	65586	0.40000	0.3404
	15 Bromomethane	94	4.769	4.769	(0.516)	61225	0.40000	0.3482
	16 Chloroethane	64	4.914	4.914	(0.532)	37591	0.40000	0.3347

Data File: /var/chem/gcms/mj.i/J082511I.b/jich254.d
Report Date: 26-Aug-2011 12:59

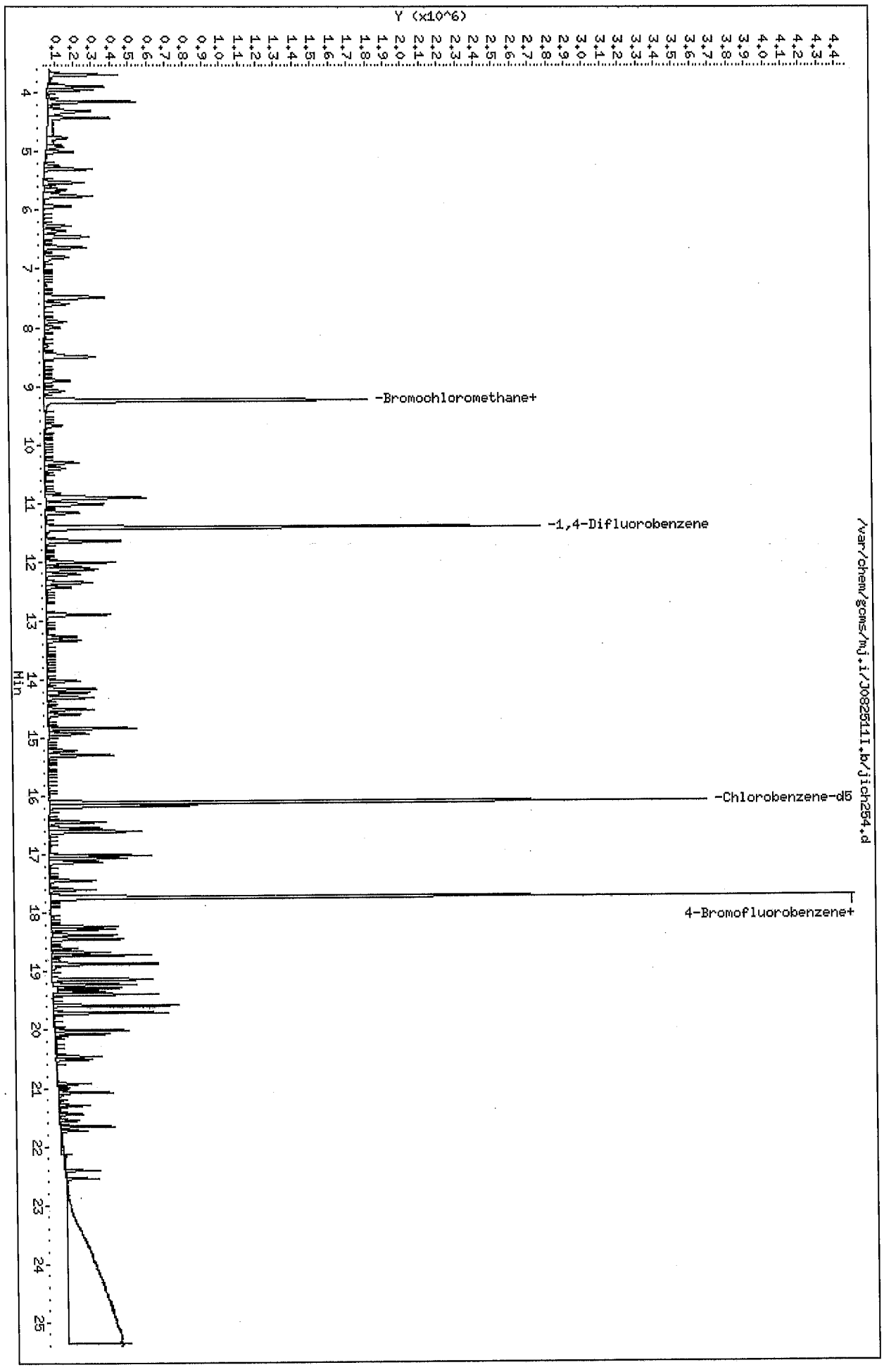
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 ~ ethanol	31	5.006	5.006	(0.541)	147193	2.08800	1.986
18 Vinyl Bromide	106	5.242	5.242	(0.567)	64330	0.40000	0.3405
19 2-methyl butane	43	5.296	5.296	(0.573)	126760	0.40000	0.3405
20 Trichlorofluoromethane	101	5.528	5.528	(0.598)	177581	0.40000	0.3465
21 Acrolein	56	5.533	5.533	(0.598)	16678	0.40000	0.3716
22 Acetonitrile	40	5.592	5.592	(0.605)	28515	0.40000	0.4045
23 Acetone	58	5.651	5.651	(0.611)	67099	0.40000	0.9200
24 Isopropyl alcohol	45	5.727	5.727	(0.619)	101397	0.40000	0.3621
25 Pentane	72	5.764	5.764	(0.624)	12190	0.40000	0.3494
26 Ethyl Ether	31	5.931	5.931	(0.642)	110283	0.40000	0.4245
27 1,1-Dichloroethene	96	6.270	6.270	(0.678)	61222	0.40000	0.3475
28 tert-butanol	59	6.351	6.351	(0.687)	108264	0.40000	0.3227
29 Acrylonitrile	53	6.367	6.367	(0.689)	44333	0.40000	0.3752
30 1,1,2-Trichlorotrifluoroethane	101	6.458	6.458	(0.699)	125728	0.40000	0.3450
31 Methylene Chloride	84	6.625	6.625	(0.717)	64224	0.40000	0.3656
32 3-Chloropropene	39	6.641	6.641	(0.718)	83659	0.40000	0.3585
33 Carbon Disulfide	76	6.802	6.802	(0.736)	220060	0.40000	0.3529
34 trans-1,2-Dichloroethene	96	7.470	7.470	(0.808)	70447	0.40000	0.3490
35 ~ 2-Methyl Pentane	43	7.491	7.491	(0.810)	236496	0.40000	0.3572
36 Methyl-t-Butyl Ether	73	7.599	7.599	(0.822)	144073	0.40000	0.4153
37 1,1-Dichloroethane	63	7.900	7.900	(0.855)	151622	0.40000	0.3613
38 Vinyl Acetate	43	7.997	7.997	(0.865)	176897	0.40000	0.4402
39 2-Butanone	72	8.454	8.454	(0.914)	27357	0.40000	0.4553
40 Hexane	56	8.502	8.502	(0.920)	81327	0.40000	0.3558
41 cis 1,2-Dichloroethene	96	8.906	8.906	(0.963)	71208	0.40000	0.3636
42 Ethyl acetate	43	9.083	9.083	(0.983)	148525	0.40000	0.4057
43 Chloroform	83	9.255	9.255	(1.001)	150668	0.40000	0.3664
44 Tetrahydrofuran	42	9.670	9.670	(1.046)	83230	0.40000	0.4151
45 1,1,1-Trichloroethane	97	10.305	10.305	(1.115)	149414	0.40000	0.3653
46 1,2-Dichloroethane	62	10.401	10.401	(0.911)	107753	0.40000	0.3554
47 1-Butanol	31	10.821	10.821	(0.948)	36532	0.40000	0.3152
48 Benzene	78	10.896	10.896	(0.954)	213022	0.40000	0.3540
49 Cyclohexane	69	10.902	10.902	(0.955)	41076	0.40000	0.3306
50 Carbon Tetrachloride	117	10.923	10.923	(0.957)	147078	0.40000	0.3521
51 ~ 2,3-dimethylpentane	71	11.015	11.015	(0.965)	52130	0.41200	0.3576
52 ~ Thiophene	84	11.160	11.160	(0.977)	128252	0.41600	0.3783
53 2,2,4-trimethylpentane	57	11.649	11.649	(1.020)	451554	0.40000	0.3524
54 Heptane	71	12.010	12.010	(1.052)	78197	0.40000	0.3539
55 1,2-Dichloropropane	63	12.090	12.090	(1.059)	85615	0.40000	0.3768
56 Trichloroethene	130	12.128	12.128	(1.062)	92592	0.40000	0.3248
180 ~ 2-nitropropane	43	12.010	12.010	(1.052)	208788	0.40000	0.000
57 Dibromomethane	93	12.209	12.209	(1.069)	92270	0.40000	0.3518
58 Bromodichloromethane	83	12.349	12.349	(1.081)	157034	0.40000	0.3569
59 1,4-dioxane	88	12.359	12.359	(1.082)	20639	0.40000	0.3342
60 Methyl Methacrylate	41	12.435	12.435	(1.089)	88864	0.40000	0.3816
61 ~ methyl cyclohexane	83	12.897	12.897	(1.130)	136980	0.41600	0.3650
62 4-Methyl-2-pentanone	43	13.274	13.274	(1.163)	147821	0.40000	0.3289

Data File: /var/chem/gcms/mj.i/J082511I.b/jich254.d
Report Date: 26-Aug-2011 12:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
63	cis-1,3-Dichloropropene	75	13.333	13.333	(1.168)	109423	0.40000	0.3706
64	trans-1,3-Dichloropropene	75	14.022	14.022	(0.870)	102751	0.40000	0.3782
65	Toluene	91	14.156	14.156	(0.879)	208921	0.40000	0.3839
66	1,1,2-Trichloroethane	83	14.221	14.221	(0.883)	69998	0.40000	0.3807
67	~ 2-methyl thiophene	97	14.307	14.307	(0.888)	188627	0.42000	0.4054
68	~ 3-methyl thiophene	97	14.506	14.506	(0.900)	186519	0.41600	0.3994
69	2-Hexanone	58	14.592	14.592	(0.906)	66094	0.40000	0.3310
70	Octane	85	14.834	14.834	(0.921)	74128	0.40000	0.3590
71	Dibromochloromethane	129	14.925	14.925	(0.927)	130043	0.40000	0.3648
72	1,2-Dibromoethane	107	15.216	15.216	(0.945)	120499	0.40000	0.3806
73	Tetrachloroethene	129	15.291	15.291	(0.949)	82864	0.40000	0.3639
74	Chlorobenzene	112	16.163	16.163	(1.003)	165090	0.40000	0.3761
75	~ 2,3-dimethylheptane	43	16.174	16.174	(1.004)	329267	0.41600	0.3870
76	Ethylbenzene	91	16.442	16.442	(1.021)	247385	0.40000	0.3990
77	~ 2-ethyl thiophene	97	16.545	16.545	(1.027)	202937	0.41200	0.4078
78	m&p-Xylene	91	16.604	16.604	(1.031)	377054	0.80000	0.7920
79	Nonane	57	17.013	17.013	(1.056)	182797	0.40000	0.3808
80	Bromoform	173	17.050	17.050	(1.058)	112790	0.40000	0.3745
81	Styrene	104	17.066	17.066	(1.059)	134935	0.40000	0.3886
82	o-Xylene	91	17.126	17.126	(1.063)	193190	0.40000	0.3902
M 83	Xylene (total)	100				570244	1.20000	1.182
84	1,1,2,2-Tetrachloroethane	83	17.443	17.443	(1.083)	150052	0.40000	0.3759
85	1,2,3-Trichloropropane	110	17.599	17.599	(1.093)	34246	0.40000	0.3792
86	Cumene	105	17.707	17.707	(1.099)	250424	0.40000	0.3897
87	n-Propylbenzene	120	18.228	18.228	(1.132)	65110	0.40000	0.3879
88	2-chlorotoluene	126	18.277	18.277	(1.135)	66828	0.40000	0.3802
89	4-Ethyltoluene	105	18.374	18.374	(1.141)	229515	0.40000	0.3718
90	1,3,5-Trimethylbenzene	120	18.444	18.444	(1.145)	105296	0.40000	0.3768
91	Alpha-Methylstyrene	118	18.670	18.670	(1.159)	90152	0.40000	0.3684
92	Decane	57	18.718	18.718	(1.162)	171817	0.40000	0.3447
93	tert-butylbenzene	119	18.858	18.858	(1.171)	190476	0.40000	0.3782
94	1,2,4-Trimethylbenzene	105	18.874	18.874	(1.172)	180557	0.40000	0.3748
95	sec-butylbenzene	105	19.121	19.121	(1.187)	265833	0.40000	0.3838
96	1,3-Dichlorobenzene	146	19.143	19.143	(1.188)	131718	0.40000	0.3578
97	Benzyl Chloride	91	19.213	19.213	(1.193)	150314	0.40000	0.3358
98	1,4-Dichlorobenzene	146	19.224	19.224	(1.193)	126550	0.40000	0.3510
99	p-Cymene	119	19.277	19.277	(1.197)	197946	0.40000	0.3675
100	~ 1,2,3- Trimethylbenzene	105	19.337	19.337	(1.200)	156320	0.41600	0.3917
101	~ n-butylcyclohexane	83	19.390	19.390	(1.204)	181666	0.41200	0.3951
102	~ Indane	117	19.579	19.579	(1.215)	174705	0.41200	0.3951
103	1,2-Dichlorobenzene	146	19.579	19.579	(1.215)	119836	0.40000	0.3592
104	n-butylbenzene	91	19.702	19.702	(1.223)	189376	0.40000	0.3455
105	~ Indene	116	19.708	19.708	(1.223)	126931	0.42000	0.3813
106	Undecane	57	20.004	20.004	(1.242)	115412	0.40000	0.2931
107	~ 1,2-dimethyl-4-ethylenzene	119	20.068	20.068	(1.246)	149116	0.41200	0.3342
108	~ 1,2,4,5-tetramethylbenzene	119	20.456	20.456	(1.270)	118828	0.41200	0.2853
109	~ 1,2,3,5-tetramethylbenzene	119	20.509	20.509	(1.273)	93870	0.42000	0.3226

Data File: /var/chem/gcms/mj.i/J082511I.b/jich254.d
Report Date: 26-Aug-2011 12:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.924	20.924	(1.299)	90851	0.40800	0.2830
111 Dodecane	57	21.074	21.074	(1.308)	91940	0.40000	0.2770
112 1,2,4-Trichlorobenzene	180	21.300	21.300	(1.322)	48519	0.40000	0.2533
113 Napthalene	128	21.445	21.445	(1.331)	103006	0.40000	0.2590
114 ~ benzo(b) thiophene	134	21.553	21.553	(1.338)	71581	0.40800	0.2768
115 Hexachlorobutadiene	225	21.655	21.655	(1.344)	53105	0.40000	0.2803
116 1,2,3-trichlorobenzene	180	21.725	21.725	(1.349)	41371	0.40000	0.2571
117 ~ 2-Methylnaphthalene	142	22.403	22.403	(1.391)	65485	2.50000	1.764
118 ~ 1-Methylnaphthalene	142	22.543	22.543	(1.399)	65740	2.50000	2.035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Date : 25-AUG-2011 19:32
Client ID: STD 0.4
Sample Info: ICAL4,1,4,STD 0.4
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J082511I.b/jich254.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich255.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich255.d
Lab Smp Id: ICAL5 Client Smp ID: STD 1.0
Inj Date : 25-AUG-2011 20:24
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL5,,1,5,,STD 1.0
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 12:59 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 20:24 Cal File: jich255.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.243	9.243	(1.000)	490327	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.422	11.422	(1.000)	2356635	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.112	16.112	(1.000)	2046055	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.737	17.737	(1.101)	1547671	4.00000	3.985
	5 Chlorodifluoromethane	67	3.885	3.885	(0.420)	58098	1.00000	0.9661
	6 Propene	41	3.896	3.896	(0.421)	223962	1.00000	0.8934
	7 Dichlorodifluoromethane	85	3.955	3.955	(0.428)	556343	1.00000	0.9013
	8 Chloromethane	52	4.149	4.149	(0.449)	78382	1.00000	0.9675
	9 1,2-Dichlorotetrafluoroethane	135	4.154	4.154	(0.449)	323241	1.00000	0.8952
	10 Methanol	31	4.283	4.283	(0.463)	75227	1.00000	1.318
	11 ~ acetaldehyde	44	4.310	4.310	(0.466)	215384	5.06000	4.859
	12 Vinyl Chloride	62	4.331	4.331	(0.469)	229144	1.00000	0.8932
	13 n-Butane	43	4.428	4.428	(0.479)	384174	1.00000	0.9142
	14 1,3-Butadiene	54	4.423	4.423	(0.479)	172766	1.00000	0.9000
	15 Bromomethane	94	4.767	4.767	(0.516)	165248	1.00000	0.9433

Data File: /var/chem/gcms/mj.i/J082511I.b/jich255.d
Report Date: 26-Aug-2011 13:00

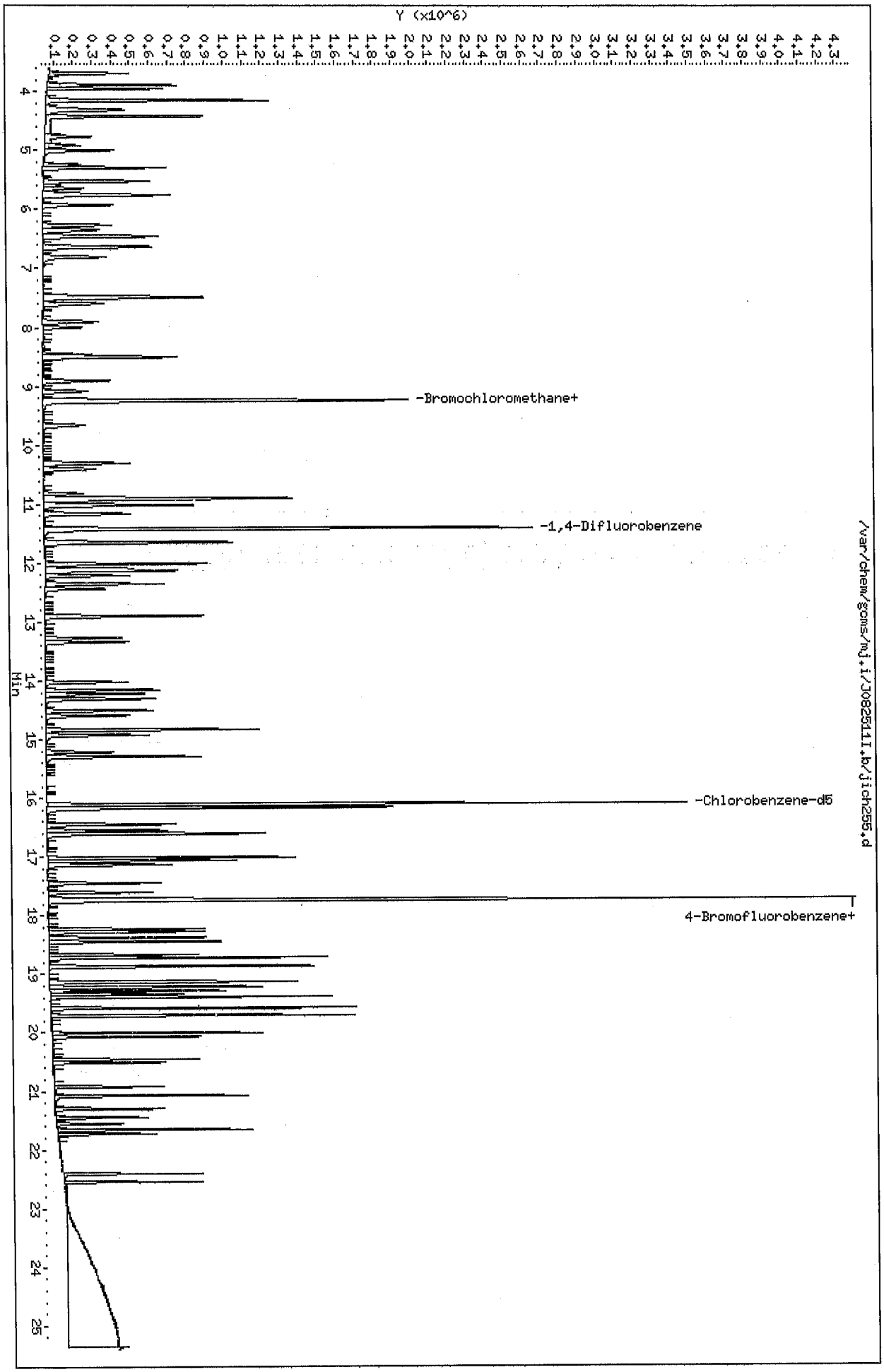
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.918	4.918	(0.532)	97337	1.00000	0.8699
17 ~ ethanol	31	5.004	5.004	(0.541)	378929	5.22000	5.133
18 Vinyl Bromide	106	5.246	5.246	(0.568)	167130	1.00000	0.8879
19 2-methyl butane	43	5.300	5.300	(0.573)	323767	1.00000	0.8731
20 Trichlorofluoromethane	101	5.531	5.531	(0.598)	456088	1.00000	0.8933
21 Acrolein	56	5.531	5.531	(0.598)	46708	1.00000	1.045
22 Acetonitrile	40	5.590	5.590	(0.605)	69408	1.00000	0.9883
23 Acetone	58	5.649	5.649	(0.611)	91042	1.00000	1.253
24 Isopropyl alcohol	45	5.725	5.725	(0.619)	260197	1.00000	0.9327
25 Pentane	72	5.762	5.762	(0.623)	31032	1.00000	0.8929
26 Ethyl Ether	31	5.929	5.929	(0.641)	272885	1.00000	1.054
27 1,1-Dichloroethene	96	6.273	6.273	(0.679)	154344	1.00000	0.8794
28 tert-butanol	59	6.343	6.343	(0.686)	292615	1.00000	0.8756
29 Acrylonitrile	53	6.365	6.365	(0.689)	114394	1.00000	0.9719
30 1,1,2-Trichlorotrifluoroethane	101	6.456	6.456	(0.699)	322725	1.00000	0.8891
31 Methylene Chloride	84	6.628	6.628	(0.717)	162543	1.00000	0.9288
32 3-Chloropropene	39	6.645	6.645	(0.719)	203930	1.00000	0.8772
33 Carbon Disulfide	76	6.806	6.806	(0.736)	556758	1.00000	0.8962
34 trans-1,2-Dichloroethene	96	7.468	7.468	(0.808)	181764	1.00000	0.9040
35 ~ 2-Methyl Pentane	43	7.495	7.495	(0.811)	596103	1.00000	0.9038
36 Methyl-t-Butyl Ether	73	7.591	7.591	(0.821)	346635	1.00000	1.003
37 1,1-Dichloroethane	63	7.898	7.898	(0.854)	380465	1.00000	0.9100
38 Vinyl Acetate	43	7.995	7.995	(0.865)	411367	1.00000	1.028
39 2-Butanone	72	8.452	8.452	(0.914)	58493	1.00000	0.9772
40 Hexane	56	8.501	8.501	(0.920)	201593	1.00000	0.8852
41 cis 1,2-Dichloroethene	96	8.904	8.904	(0.963)	177113	1.00000	0.9078
42 Ethyl acetate	43	9.082	9.082	(0.983)	347821	1.00000	0.9538
43 Chloroform	83	9.254	9.254	(1.001)	374505	1.00000	0.9142
44 Tetrahydrofuran	42	9.662	9.662	(1.045)	200569	1.00000	1.004
45 1,1,1-Trichloroethane	97	10.308	10.308	(1.115)	375278	1.00000	0.9210
46 1,2-Dichloroethane	62	10.405	10.405	(0.911)	267088	1.00000	0.9065
47 1-Butanol	31	10.814	10.814	(0.947)	94977	1.00000	0.8434
48 Benzene	78	10.894	10.894	(0.954)	511957	1.00000	0.8755
49 Cyclohexane	69	10.905	10.905	(0.955)	102412	1.00000	0.8482
50 Carbon Tetrachloride	117	10.921	10.921	(0.956)	336067	1.00000	0.8280
51 ~ 2,3-dimethylpentane	71	11.018	11.018	(0.965)	129770	1.03000	0.9162
52 ~ Thiophene	84	11.163	11.163	(0.977)	308922	1.04000	0.9379
53 2,2,4-trimethylpentane	57	11.648	11.648	(1.020)	1109289	1.00000	0.8910
54 Heptane	71	12.013	12.013	(1.052)	185086	1.00000	0.8622
55 1,2-Dichloropropane	63	12.089	12.089	(1.058)	200665	1.00000	0.9089
56 Trichloroethene	130	12.132	12.132	(1.062)	243934	1.00000	0.8807
180 ~ 2-nitropropane	43	12.013	12.013	(1.052)	465210	1.00000	0.000
57 Dibromomethane	93	12.207	12.207	(1.069)	225304	1.00000	0.8840
58 Bromodichloromethane	83	12.352	12.352	(1.081)	385639	1.00000	0.9019
59 1,4-dioxane	88	12.358	12.358	(1.082)	56330	1.00000	0.9388
60 Methyl Methacrylate	41	12.428	12.428	(1.088)	205812	1.00000	0.9095
61 ~ methyl cyclohexane	83	12.901	12.901	(1.130)	339672	1.04000	0.9316

Data File: /var/chem/gcms/mj.i/J082511I.b/jich255.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.267	13.267	(1.162)	379270	1.00000	0.8685
63	cis-1,3-Dichloropropene	75	13.337	13.337	(1.168)	260805	1.00000	0.9091
64	trans-1,3-Dichloropropene	75	14.020	14.020	(0.870)	247616	1.00000	0.9503
65	Toluene	91	14.154	14.154	(0.878)	485729	1.00000	0.9306
66	1,1,2-Trichloroethane	83	14.219	14.219	(0.882)	165915	1.00000	0.9407
67	~ 2-methyl thiophene	97	14.305	14.305	(0.888)	432619	1.05000	0.9693
68	~ 3-methyl thiophene	97	14.504	14.504	(0.900)	431476	1.04000	0.9632
69	2-Hexanone	58	14.590	14.590	(0.906)	169315	1.00000	0.8839
70	Octane	85	14.832	14.832	(0.921)	180791	1.00000	0.9129
71	Dibromochloromethane	129	14.924	14.924	(0.926)	320255	1.00000	0.9365
72	1,2-Dibromoethane	107	15.214	15.214	(0.944)	283015	1.00000	0.9318
73	Tetrachloroethene	129	15.295	15.295	(0.949)	190722	1.00000	0.8733
74	Chlorobenzene	112	16.161	16.161	(1.003)	382621	1.00000	0.9088
75	~ 2,3-dimethylheptane	43	16.172	16.172	(1.004)	833893	1.04000	1.022
76	Ethylbenzene	91	16.441	16.441	(1.020)	562611	1.00000	0.9461
77	~ 2-ethyl thiophene	97	16.543	16.543	(1.027)	463773	1.03000	0.9716
78	m&p-Xylene	91	16.602	16.602	(1.030)	862848	2.00000	1.890
79	Nonane	57	17.011	17.011	(1.056)	452986	1.00000	0.9839
80	Bromoform	173	17.054	17.054	(1.058)	276049	1.00000	0.9556
81	Styrene	104	17.065	17.065	(1.059)	324179	1.00000	0.9733
82	o-Xylene	91	17.129	17.129	(1.063)	451494	1.00000	0.9508
M 83	Xylene (total)	100				1314342	3.00000	2.840
84	1,1,2,2-Tetrachloroethane	83	17.441	17.441	(1.082)	363431	1.00000	0.9492
85	1,2,3-Trichloropropane	110	17.603	17.603	(1.092)	81361	1.00000	0.9393
86	Cumene	105	17.710	17.710	(1.099)	589352	1.00000	0.9561
87	n-Propylbenzene	120	18.232	18.232	(1.132)	150742	1.00000	0.9362
88	2-chlorotoluene	126	18.280	18.280	(1.135)	159857	1.00000	0.9482
89	4-Ethyltoluene	105	18.377	18.377	(1.141)	554076	1.00000	0.9358
90	1,3,5-Trimethylbenzene	120	18.447	18.447	(1.145)	254347	1.00000	0.9488
91	Alpha-Methylstyrene	118	18.668	18.668	(1.159)	228512	1.00000	0.9735
92	Decane	57	18.716	18.716	(1.162)	483815	1.00000	1.012
93	tert-butylbenzene	119	18.861	18.861	(1.171)	459959	1.00000	0.9522
94	1,2,4-Trimethylbenzene	105	18.872	18.872	(1.171)	431213	1.00000	0.9332
95	sec-butylbenzene	105	19.125	19.125	(1.187)	642130	1.00000	0.9666
96	1,3-Dichlorobenzene	146	19.141	19.141	(1.188)	325491	1.00000	0.9218
97	Benzyl Chloride	91	19.211	19.211	(1.192)	393060	1.00000	0.9154
98	1,4-Dichlorobenzene	146	19.227	19.227	(1.193)	315018	1.00000	0.9110
99	p-Cymene	119	19.281	19.281	(1.197)	491132	1.00000	0.9506
100	~ 1,2,3- Trimethylbenzene	105	19.335	19.335	(1.200)	374806	1.04000	0.9792
101	~ n-butylcyclohexane	83	19.389	19.389	(1.203)	461172	1.03000	1.046
102	~ Indane	117	19.577	19.577	(1.215)	407120	1.03000	0.9600
103	1,2-Dichlorobenzene	146	19.577	19.577	(1.215)	297950	1.00000	0.9312
104	n-butylbenzene	91	19.706	19.706	(1.223)	494327	1.00000	0.9403
105	~ Indene	116	19.706	19.706	(1.223)	316215	1.05000	0.9904
106	Undecane	57	20.002	20.002	(1.241)	330098	1.00000	0.8740
107	~ 1,2-dimethyl-4-ethylenzene	119	20.072	20.072	(1.246)	400840	1.03000	0.9366
108	~ 1,2,4,5-tetramethylbenzene	119	20.454	20.454	(1.269)	361945	1.03000	0.9059

Data File: /var/chem/gcms/mj.i/J082511I.b/jich255.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.507	20.507	(1.273)	283078	1.50000	1.014
110 ~ 1,2,3,4-tetramethylbenzene	119	20.922	20.922	(1.298)	288699	1.02000	0.9377
111 Dodecane	57	21.072	21.072	(1.308)	331151	1.00000	1.040
112 1,2,4-Trichlorobenzene	180	21.298	21.298	(1.322)	172010	1.00000	0.9361
113 Napthalene	128	21.444	21.444	(1.331)	363728	1.00000	0.9537
114 ~ benzo(b) thiophene	134	21.551	21.551	(1.338)	233610	1.02000	0.9418
115 Hexachlorobutadiene	225	21.659	21.659	(1.344)	188343	1.00000	1.036
116 1,2,3-trichlorobenzene	180	21.729	21.729	(1.349)	145353	1.00000	0.9418
117 ~ 2-Methylnaphthalene	142	22.401	22.401	(1.390)	263359	6.25000	7.394
118 ~ 1-Methylnaphthalene	142	22.541	22.541	(1.399)	245603	6.25000	7.925


Data File: /var/chem/gcms/mj.i/J0825111.b/jich255.d
Date : 25-AUG-2011 20:24
Client ID: STD 1.0
Sample Info: ICAL5,1.5,STD 1.0
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J0825111.b/jich255.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich256.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich256.d
Lab Smp Id: ICAL6 Client Smp ID: STD 2.0
Inj Date : 25-AUG-2011 21:16
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL6,,1,6,,STD 2.0
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 13:00 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.248	9.248	(1.000)	494199	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.421	11.421	(1.000)	2127324	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.112	16.112	(1.000)	1917056	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.742	17.742	(1.101)	1491539	4.00000	4.099
	5 Chlorodifluoromethane	67	3.884	3.884	(0.420)	107762	2.00000	1.778
	6 Propene	41	3.901	3.901	(0.422)	423063	2.00000	1.674
	7 Dichlorodifluoromethane	85	3.954	3.954	(0.428)	1051497	2.00000	1.690
	8 Chloromethane	52	4.148	4.148	(0.449)	148286	2.00000	1.816
	9 1,2-Dichlorotetrafluoroethane	135	4.153	4.153	(0.449)	615038	2.00000	1.690
	10 Methanol	31	4.282	4.282	(0.463)	132045	2.00000	2.296
	11 ~ acetaldehyde	44	4.309	4.309	(0.466)	338235	10.1200	7.570
	12 Vinyl Chloride	62	4.331	4.331	(0.468)	435579	2.00000	1.685
	13 n-Butane	43	4.428	4.428	(0.479)	730758	2.00000	1.725
	14 1,3-Butadiene	54	4.428	4.428	(0.479)	331458	2.00000	1.713
	15 Bromomethane	94	4.772	4.772	(0.516)	324151	2.00000	1.836

Data File: /var/chem/gcms/mj.i/J082511I.b/jich256.d
Report Date: 26-Aug-2011 13:00

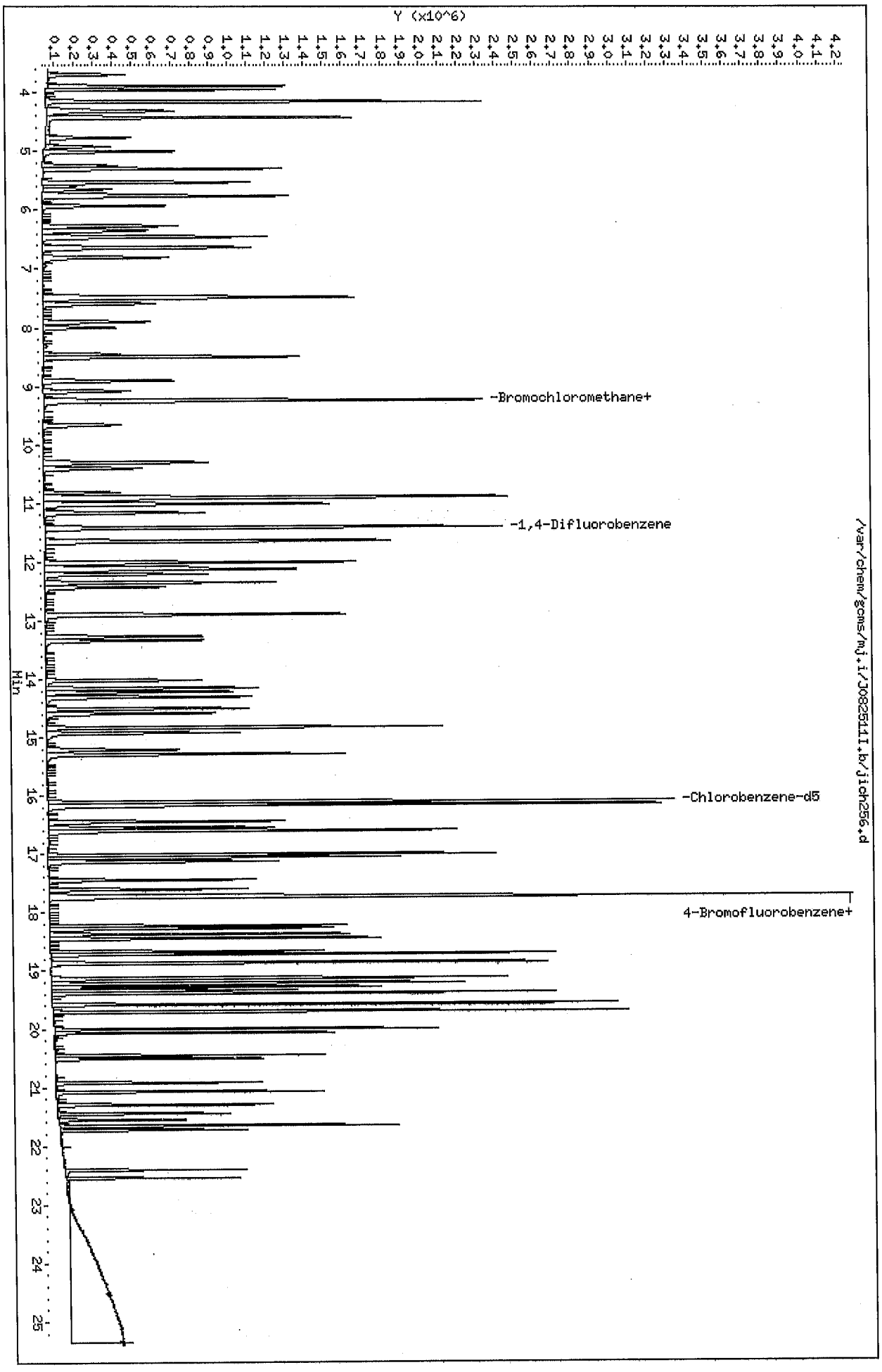
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
16	Chloroethane	64	4.923	4.923	(0.532)	191047	2.00000	1.694
17	~ ethanol	31	5.003	5.003	(0.541)	694563	10.4400	9.334
18	Vinyl Bromide	106	5.245	5.245	(0.567)	322068	2.00000	1.698
19	2-methyl butane	43	5.299	5.299	(0.573)	620221	2.00000	1.660
20	Trichlorofluoromethane	101	5.530	5.530	(0.598)	874937	2.00000	1.700
21	Acrolein	56	5.530	5.530	(0.598)	79578	2.00000	1.766
22	Acetonitrile	40	5.595	5.595	(0.605)	128365	2.00000	1.813
23	Acetone	58	5.649	5.649	(0.611)	154682	2.00000	2.112
24	Isopropyl alcohol	45	5.724	5.724	(0.619)	474207	2.00000	1.686
25	Pentane	72	5.767	5.767	(0.624)	59544	2.00000	1.700
26	Ethyl Ether	31	5.929	5.929	(0.641)	476221	2.00000	1.826
27	1,1-Dichloroethene	96	6.273	6.273	(0.678)	298491	2.00000	1.687
28	tert-butanol	59	6.343	6.343	(0.686)	539679	2.00000	1.602
29	Acrylonitrile	53	6.364	6.364	(0.688)	210610	2.00000	1.775
30	1,1,2-Trichlorotrifluoroethane	101	6.456	6.456	(0.698)	620657	2.00000	1.696
31	Methylene Chloride	84	6.633	6.633	(0.717)	297342	2.00000	1.686
32	3-Chloropropene	39	6.649	6.649	(0.719)	392756	2.00000	1.676
33	Carbon Disulfide	76	6.805	6.805	(0.736)	1073945	2.00000	1.715
34	trans-1,2-Dichloroethene	96	7.472	7.472	(0.808)	349252	2.00000	1.723
35	~ 2-Methyl Pentane	43	7.494	7.494	(0.810)	1133592	2.00000	1.705
36	Methyl-t-Butyl Ether	73	7.591	7.591	(0.821)	621789	2.00000	1.785
37	1,1-Dichloroethane	63	7.897	7.897	(0.854)	715356	2.00000	1.698
38	Vinyl Acetate	43	8.000	8.000	(0.865)	752653	2.00000	1.866
39	2-Butanone	72	8.452	8.452	(0.914)	107472	2.00000	1.781
40	Hexane	56	8.505	8.505	(0.920)	379263	2.00000	1.652
41	cis 1,2-Dichloroethene	96	8.909	8.909	(0.963)	340401	2.00000	1.731
42	Ethyl acetate	43	9.081	9.081	(0.982)	659664	2.00000	1.795
43	Chloroform	83	9.258	9.258	(1.001)	690966	2.00000	1.674
44	Tetrahydrofuran	42	9.662	9.662	(1.045)	365753	2.00000	1.817
45	1,1,1-Trichloroethane	97	10.307	10.307	(1.115)	707325	2.00000	1.722
46	1,2-Dichloroethane	62	10.404	10.404	(0.911)	495672	2.00000	1.864
47	1-Butanol	31	10.813	10.813	(0.947)	174377	2.00000	1.715
48	Benzene	78	10.899	10.899	(0.954)	944159	2.00000	1.789
49	Cyclohexane	69	10.905	10.905	(0.955)	196042	2.00000	1.799
50	Carbon Tetrachloride	117	10.926	10.926	(0.957)	556262	2.00000	1.518
51	~ 2,3-dimethylpentane	71	11.018	11.018	(0.965)	242077	2.06000	1.893
52	~ Thiophene	84	11.163	11.163	(0.977)	573985	2.08000	1.930
53	2,2,4-trimethylpentane	57	11.647	11.647	(1.020)	2002974	2.00000	1.782
54	Heptane	71	12.013	12.013	(1.052)	342306	2.00000	1.766
55	1,2-Dichloropropane	63	12.088	12.088	(1.058)	365161	2.00000	1.832
56	Trichloroethene	130	12.131	12.131	(1.062)	453762	2.00000	1.815
180	~ 2-nitropropane	43	12.013	12.013	(1.052)	863780	2.00000	0.000
57	Dibromomethane	93	12.212	12.212	(1.069)	416790	2.00000	1.812
58	Bromodichloromethane	83	12.352	12.352	(1.081)	701693	2.00000	1.818
59	1,4-dioxane	88	12.352	12.352	(1.081)	107721	2.00000	1.989
60	Methyl Methacrylate	41	12.432	12.432	(1.089)	396354	2.00000	1.940
61	~ methyl cyclohexane	83	12.900	12.900	(1.130)	625512	2.08000	1.900

Data File: /var/chem/gcms/mj.i/J082511I.b/jich256.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.272	13.272	(1.162)	732127	2.00000	1.857
63	cis-1,3-Dichloropropene	75	13.336	13.336	(1.168)	488663	2.00000	1.887
64	trans-1,3-Dichloropropene	75	14.019	14.019	(0.870)	464450	2.00000	1.902
65	Toluene	91	14.159	14.159	(0.879)	890526	2.00000	1.821
66	1,1,2-Trichloroethane	83	14.224	14.224	(0.883)	298636	2.00000	1.807
67	~ 2-methyl thiophene	97	14.310	14.310	(0.888)	798307	2.10000	1.909
68	~ 3-methyl thiophene	97	14.509	14.509	(0.900)	791517	2.08000	1.886
69	2-Hexanone	58	14.590	14.590	(0.906)	333714	2.00000	1.859
70	Octane	85	14.832	14.832	(0.921)	328483	2.00000	1.770
71	Dibromochloromethane	129	14.928	14.928	(0.927)	589366	2.00000	1.839
72	1,2-Dibromoethane	107	15.219	15.219	(0.945)	526097	2.00000	1.849
73	Tetrachloroethene	129	15.294	15.294	(0.949)	356058	2.00000	1.740
74	Chlorobenzene	112	16.160	16.160	(1.003)	704676	2.00000	1.786
75	~ 2,3-dimethylheptane	43	16.171	16.171	(1.004)	1472196	2.08000	1.925
76	Ethylbenzene	91	16.445	16.445	(1.021)	1017554	2.00000	1.826
77	~ 2-ethyl thiophene	97	16.548	16.548	(1.027)	842925	2.06000	1.885
78	m&p-Xylene	91	16.607	16.607	(1.031)	1576178	4.00000	3.684
79	Nonane	57	17.016	17.016	(1.056)	798729	2.00000	1.852
80	Bromoform	173	17.053	17.053	(1.058)	502346	2.00000	1.856
81	Styrene	104	17.064	17.064	(1.059)	585087	2.00000	1.875
82	o-Xylene	91	17.129	17.129	(1.063)	806349	2.00000	1.812
M 83	Xylene (total)	100				2382527	6.00000	5.496
84	1,1,2,2-Tetrachloroethane	83	17.441	17.441	(1.082)	658683	2.00000	1.836
85	1,2,3-Trichloropropane	110	17.602	17.602	(1.092)	146614	2.00000	1.806
86	Cumene	105	17.710	17.710	(1.099)	1049663	2.00000	1.817
87	n-Propylbenzene	120	18.231	18.231	(1.132)	277162	2.00000	1.837
88	2-chlorotoluene	126	18.280	18.280	(1.135)	289888	2.00000	1.835
89	4-Ethyltoluene	105	18.377	18.377	(1.141)	1016570	2.00000	1.832
90	1,3,5-Trimethylbenzene	120	18.447	18.447	(1.145)	466089	2.00000	1.856
91	Alpha-Methylstyrene	118	18.667	18.667	(1.159)	425646	2.00000	1.935
92	Decane	57	18.721	18.721	(1.162)	851910	2.00000	1.902
93	tert-butylbenzene	119	18.861	18.861	(1.171)	830953	2.00000	1.836
94	1,2,4-Trimethylbenzene	105	18.872	18.872	(1.171)	795745	2.00000	1.838
95	sec-butylbenzene	105	19.124	19.124	(1.187)	1160811	2.00000	1.865
96	1,3-Dichlorobenzene	146	19.141	19.141	(1.188)	599875	2.00000	1.813
97	Benzyl Chloride	91	19.210	19.210	(1.192)	754172	2.00000	1.874
98	1,4-Dichlorobenzene	146	19.227	19.227	(1.193)	585121	2.00000	1.806
99	p-Cymene	119	19.280	19.280	(1.197)	894796	2.00000	1.848
100	~ 1,2,3- Trimethylbenzene	105	19.334	19.334	(1.200)	685076	2.08000	1.910
101	~ n-butylcyclohexane	83	19.388	19.388	(1.203)	807793	2.06000	1.955
102	~ Indane	117	19.582	19.582	(1.215)	735670	2.06000	1.852
103	1,2-Dichlorobenzene	146	19.582	19.582	(1.215)	540616	2.00000	1.803
104	n-butylbenzene	91	19.705	19.705	(1.223)	908822	2.00000	1.845
105	~ Indene	116	19.705	19.705	(1.223)	579357	2.10000	1.937
106	Undecane	57	20.007	20.007	(1.242)	613316	2.00000	1.733
107	~ 1,2-dimethyl-4-ethylenzene	119	20.071	20.071	(1.246)	740103	2.06000	1.846
108	~ 1,2,4,5-tetramethylbenzene	119	20.453	20.453	(1.269)	676331	2.06000	1.807

Data File: /var/chem/gcms/mj.i/J082511I.b/jich256.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.512	20.512	(1.273)	537419	2.10000	2.055
110 ~ 1,2,3,4-tetramethylbenzene	119	20.921	20.921	(1.298)	540942	2.04000	1.875
111 Dodecane	57	21.077	21.077	(1.308)	441314	2.00000	1.480
112 1,2,4-Trichlorobenzene	180	21.298	21.298	(1.322)	320486	2.00000	1.861
113 Napthalene	128	21.448	21.448	(1.331)	669713	2.00000	1.874
114 ~ benzo(b) thiophene	134	21.556	21.556	(1.338)	452949	2.04000	1.949
115 Hexachlorobutadiene	225	21.658	21.658	(1.344)	326099	2.00000	1.916
116 1,2,3-trichlorobenzene	180	21.728	21.728	(1.349)	264967	2.00000	1.832
117 ~ 2-Methylnaphthalene	142	22.406	22.406	(1.391)	330313	12.5000	9.898
118 ~ 1-Methylnaphthalene	142	22.540	22.540	(1.399)	285785	12.5000	9.842


Data File: /var/chem/gcms/mj.i/J0825111.b/jich256.d
Date : 25-AUG-2011 21:16
Client ID: STD 2.0
Sample Info: ICAL6,1.6,,STD 2.0
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J0825111.b/jich256.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich257.d
Lab Smp Id: ICAL7 Client Smp ID: STD 4
Inj Date : 25-AUG-2011 22:07
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL7,,1,7,,STD 4
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 13:00 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 22:07 Cal File: jich257.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.248	9.248	(1.000)	503213	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.422	11.422	(1.000)	2274040	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.113	16.113	(1.000)	2019520	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.737	17.737	(1.101)	1550536	4.00000	4.045
	5 Chlorodifluoromethane	67	3.885	3.885	(0.420)	217681	4.00000	3.527
	6 Propene	41	3.896	3.896	(0.421)	859593	4.00000	3.341
	7 Dichlorodifluoromethane	85	3.955	3.955	(0.428)	2126423	4.00000	3.357
	8 Chloromethane	52	4.149	4.149	(0.449)	302170	4.00000	3.634
	9 1,2-Dichlorotetrafluoroethane	135	4.154	4.154	(0.449)	1256435	4.00000	3.391
	10 Methanol	31	4.283	4.283	(0.463)	226800	4.00000	3.873
	11 ~ acetaldehyde	44	4.310	4.310	(0.466)	705546	20.2400	15.51
	12 Vinyl Chloride	62	4.332	4.332	(0.468)	909643	4.00000	3.455
	13 n-Butane	43	4.428	4.428	(0.479)	1517862	4.00000	3.519
	14 1,3-Butadiene	54	4.428	4.428	(0.479)	694080	4.00000	3.523
	15 Bromomethane	94	4.773	4.773	(0.516)	660250	4.00000	3.672

Data File: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Chloroethane	64	4.923	4.923	(0.532)	391707	4.00000	3.411
17 ~ ethanol	31	5.009	5.009	(0.542)	1407192	20.8800	18.57
18 Vinyl Bromide	106	5.246	5.246	(0.567)	665066	4.00000	3.443
19 2-methyl butane	43	5.300	5.300	(0.573)	1267060	4.00000	3.330
20 Trichlorofluoromethane	101	5.531	5.531	(0.598)	1801383	4.00000	3.438
21 Acrolein	56	5.531	5.531	(0.598)	178916	4.00000	3.899
22 Acetonitrile	40	5.596	5.596	(0.605)	270163	4.00000	3.748
23 Acetone	58	5.650	5.650	(0.611)	295456	4.00000	3.962
24 Isopropyl alcohol	45	5.725	5.725	(0.619)	987534	4.00000	3.449
25 Pentane	72	5.768	5.768	(0.624)	123468	4.00000	3.462
26 Ethyl Ether	31	5.929	5.929	(0.641)	1035436	4.00000	3.898
27 1,1-Dichloroethene	96	6.274	6.274	(0.678)	613858	4.00000	3.408
28 tert-butanol	59	6.343	6.343	(0.686)	1147326	4.00000	3.345
29 Acrylonitrile	53	6.365	6.365	(0.688)	464576	4.00000	3.846
30 1,1,2-Trichlorotrifluoroethane	101	6.456	6.456	(0.698)	1292082	4.00000	3.468
31 Methylene Chloride	84	6.629	6.629	(0.717)	600292	4.00000	3.342
32 3-Chloropropene	39	6.650	6.650	(0.719)	847457	4.00000	3.552
33 Carbon Disulfide	76	6.811	6.811	(0.736)	2218320	4.00000	3.479
34 trans-1,2-Dichloroethene	96	7.473	7.473	(0.808)	724629	4.00000	3.512
35 ~ 2-Methyl Pentane	43	7.495	7.495	(0.810)	2340612	4.00000	3.458
36 Methyl-t-Butyl Ether	73	7.591	7.591	(0.821)	1331354	4.00000	3.754
37 1,1-Dichloroethane	63	7.904	7.904	(0.855)	1459550	4.00000	3.402
38 Vinyl Acetate	43	8.000	8.000	(0.865)	1643373	4.00000	4.000
39 2-Butanone	72	8.452	8.452	(0.914)	219526	4.00000	3.573
40 Hexane	56	8.506	8.506	(0.920)	774837	4.00000	3.315
41 cis 1,2-Dichloroethene	96	8.909	8.909	(0.963)	686194	4.00000	3.427
42 Ethyl acetate	43	9.082	9.082	(0.982)	1344767	4.00000	3.593
43 Chloroform	83	9.259	9.259	(1.001)	1394104	4.00000	3.316
44 Tetrahydrofuran	42	9.657	9.657	(1.044)	765855	4.00000	3.736
45 1,1,1-Trichloroethane	97	10.308	10.308	(1.115)	1427809	4.00000	3.414
46 1,2-Dichloroethane	62	10.405	10.405	(0.911)	1026991	4.00000	3.612
47 1-Butanol	31	10.808	10.808	(0.946)	364581	4.00000	3.355
48 Benzene	78	10.900	10.900	(0.954)	1970371	4.00000	3.492
49 Cyclohexane	69	10.905	10.905	(0.955)	397868	4.00000	3.415
50 Carbon Tetrachloride	117	10.927	10.927	(0.957)	1487931	4.00000	3.799
51 ~ 2,3-dimethylpentane	71	11.018	11.018	(0.965)	480785	4.12000	3.518
52 ~ Thiophene	84	11.163	11.163	(0.977)	1163327	4.16000	3.660
53 2,2,4-trimethylpentane	57	11.648	11.648	(1.020)	4022298	4.00000	3.348
54 Heptane	71	12.013	12.013	(1.052)	693573	4.00000	3.348
55 1,2-Dichloropropane	63	12.094	12.094	(1.059)	776385	4.00000	3.644
56 Trichloroethene	130	12.132	12.132	(1.062)	907846	4.00000	3.397
180 ~ 2-nitropropane	43	12.013	12.013	(1.052)	1747670	4.00000	0.000
57 Dibromomethane	93	12.212	12.212	(1.069)	842035	4.00000	3.424
58 Bromodichloromethane	83	12.352	12.352	(1.081)	1475922	4.00000	3.577
59 1,4-dioxane	88	12.352	12.352	(1.081)	205149	4.00000	3.543
60 Methyl Methacrylate	41	12.433	12.433	(1.089)	834660	4.00000	3.822
61 ~ methyl cyclohexane	83	12.901	12.901	(1.130)	1261179	4.16000	3.585

Data File: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.267	13.267	(1.162)	1460316	4.00000	3.465
63	cis-1,3-Dichloropropene	75	13.337	13.337	(1.168)	1041097	4.00000	3.761
64	trans-1,3-Dichloropropene	75	14.025	14.025	(0.870)	992931	4.00000	3.861
65	Toluene	91	14.160	14.160	(0.879)	1937664	4.00000	3.761
66	1,1,2-Trichloroethane	83	14.224	14.224	(0.883)	641544	4.00000	3.685
67	~ 2-methyl thiophene	97	14.310	14.310	(0.888)	1724675	4.20000	3.915
68	~ 3-methyl thiophene	97	14.509	14.509	(0.900)	1703907	4.16000	3.854
69	2-Hexanone	58	14.590	14.590	(0.906)	688561	4.00000	3.642
70	Octane	85	14.832	14.832	(0.921)	705969	4.00000	3.612
71	Dibromochloromethane	129	14.929	14.929	(0.927)	1318935	4.00000	3.908
72	1,2-Dibromoethane	107	15.220	15.220	(0.945)	1111226	4.00000	3.707
73	Tetrachloroethene	129	15.295	15.295	(0.949)	726012	4.00000	3.368
74	Chlorobenzene	112	16.161	16.161	(1.003)	1487770	4.00000	3.580
75	~ 2,3-dimethylheptane	43	16.172	16.172	(1.004)	3098258	4.16000	3.846
76	Ethylbenzene	91	16.446	16.446	(1.021)	2217003	4.00000	3.777
77	~ 2-ethyl thiophene	97	16.548	16.548	(1.027)	1832966	4.12000	3.890
78	m&p-Xylene	91	16.607	16.607	(1.031)	3429253	8.00000	7.609
79	Nonane	57	17.011	17.011	(1.056)	1745554	4.00000	3.841
80	Bromoform	173	17.054	17.054	(1.058)	1174866	4.00000	4.120
81	Styrene	104	17.065	17.065	(1.059)	1312210	4.00000	3.992
82	o-Xylene	91	17.129	17.129	(1.063)	1766906	4.00000	3.770
M 83	Xylene (total)	100				5196159	12.0000	11.38
84	1,1,2,2-Tetrachloroethane	83	17.441	17.441	(1.082)	1392469	4.00000	3.685
85	1,2,3-Trichloropropane	110	17.603	17.603	(1.092)	309344	4.00000	3.618
86	Cumene	105	17.710	17.710	(1.099)	2296059	4.00000	3.774
87	n-Propylbenzene	120	18.232	18.232	(1.132)	597440	4.00000	3.759
88	2-chlorotoluene	126	18.280	18.280	(1.135)	616840	4.00000	3.707
89	4-Ethyltoluene	105	18.377	18.377	(1.141)	2159126	4.00000	3.695
90	1,3,5-Trimethylbenzene	120	18.447	18.447	(1.145)	993307	4.00000	3.754
91	Alpha-Methylstyrene	118	18.668	18.668	(1.159)	909856	4.00000	3.927
92	Decane	57	18.722	18.722	(1.162)	1945522	4.00000	4.122
93	tert-butylbenzene	119	18.861	18.861	(1.171)	1796502	4.00000	3.768
94	1,2,4-Trimethylbenzene	105	18.872	18.872	(1.171)	1697637	4.00000	3.722
95	sec-butylbenzene	105	19.125	19.125	(1.187)	2482248	4.00000	3.786
96	1,3-Dichlorobenzene	146	19.141	19.141	(1.188)	1291972	4.00000	3.707
97	Benzyl Chloride	91	19.211	19.211	(1.192)	1618686	4.00000	3.819
98	1,4-Dichlorobenzene	146	19.227	19.227	(1.193)	1258681	4.00000	3.688
99	p-Cymene	119	19.281	19.281	(1.197)	1897847	4.00000	3.722
100	~ 1,2,3- Trimethylbenzene	105	19.335	19.335	(1.200)	1420508	4.16000	3.760
101	~ n-butylcyclohexane	83	19.389	19.389	(1.203)	1763296	4.12000	4.051
102	~ Indane	117	19.582	19.582	(1.215)	1553482	4.12000	3.711
103	1,2-Dichlorobenzene	146	19.582	19.582	(1.215)	1157295	4.00000	3.665
104	n-butylbenzene	91	19.706	19.706	(1.223)	1925899	4.00000	3.712
105	~ Indene	116	19.706	19.706	(1.223)	1221128	4.20000	3.875
106	Undecane	57	20.002	20.002	(1.241)	1468826	4.00000	3.940
107	~ 1,2-dimethyl-4-ethylenzene	119	20.072	20.072	(1.246)	1571477	4.12000	3.720
108	~ 1,2,4,5-tetramethylbenzene	119	20.454	20.454	(1.269)	1466047	4.12000	3.718

Data File: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Report Date: 26-Aug-2011 13:00

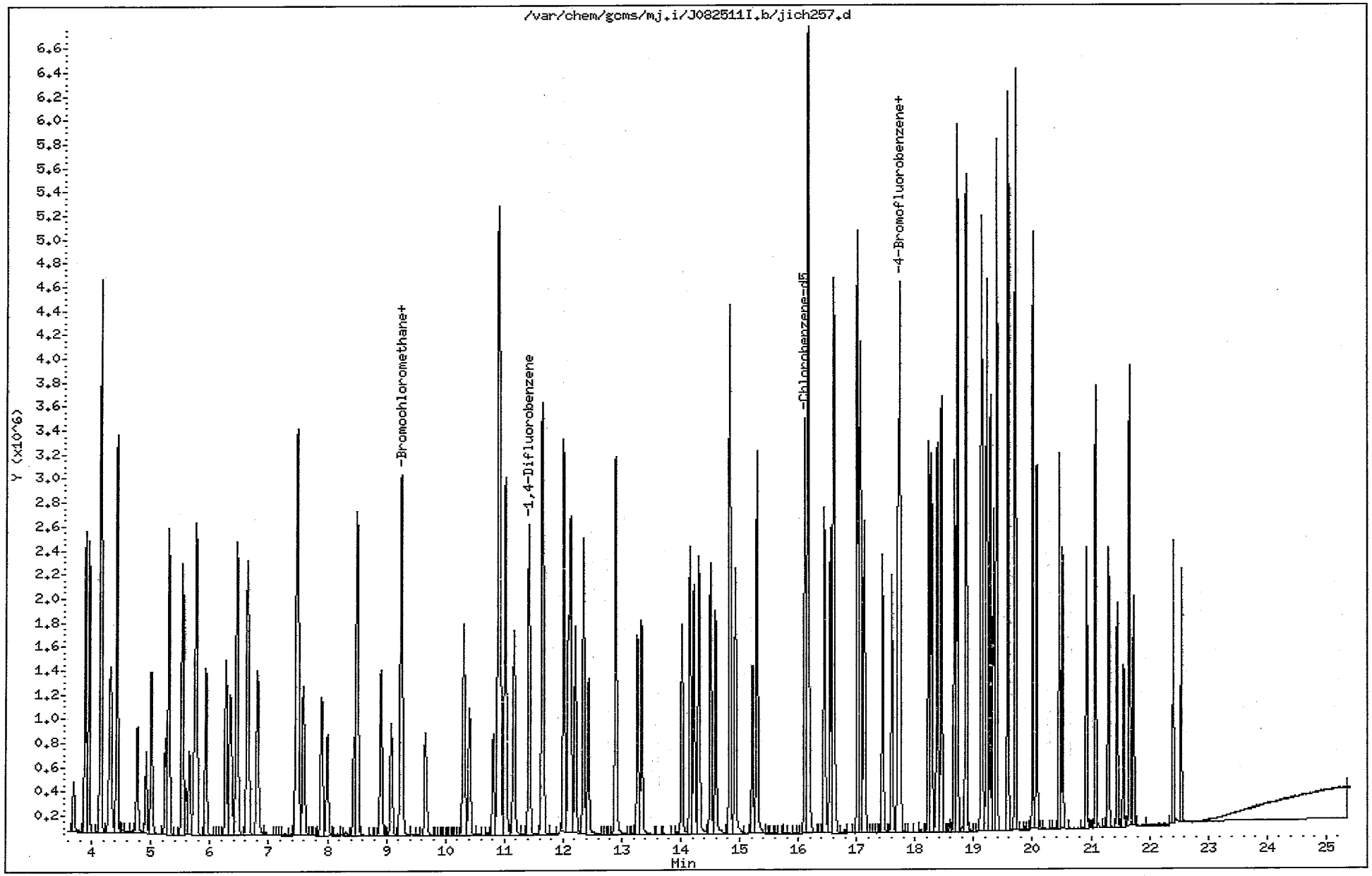
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.508	20.508	(1.273)	1137548	4.20000	4.130
110 ~ 1,2,3,4-tetramethylbenzene	119	20.922	20.922	(1.298)	1158432	4.08000	3.812
111 Dodecane	57	21.072	21.072	(1.308)	1177248	4.00000	3.747
112 1,2,4-Trichlorobenzene	180	21.298	21.298	(1.322)	681661	4.00000	3.758
113 Napthalene	128	21.444	21.444	(1.331)	1381772	4.00000	3.670
114 ~ benzo(b) thiophene	134	21.551	21.551	(1.338)	901063	4.08000	3.680
115 Hexachlorobutadiene	225	21.659	21.659	(1.344)	712838	4.00000	3.975
116 1,2,3-trichlorobenzene	180	21.729	21.729	(1.349)	521008	4.00000	3.420
117 ~ 2-Methylnaphthalene	142	22.401	22.401	(1.390)	799412	25.0000	22.74(A)
118 ~ 1-Methylnaphthalene	142	22.541	22.541	(1.399)	647966	25.0000	21.18(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcms/mj.i/J082511I.b/jich257.d
Date : 25-AUG-2011 22:07
Client ID: STD 4
Sample Info: ICAL7,,1,7,,STD 4
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 403648
Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J082511I.b/jich258.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich258.d
Lab Smp Id: ICAL8 Client Smp ID: STD 8
Inj Date : 25-AUG-2011 22:58
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL8,,1,8,,STD 8
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 13:00 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 22:58 Cal File: jich258.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.249	9.249	(1.000)	480934	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.423	11.423	(1.000)	2105292	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.114	16.114	(1.000)	1959376	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.738	17.738	(1.101)	1531968	4.00000	4.119
	5 Chlorodifluoromethane	67	3.886	3.886	(0.420)	434382	8.00000	7.364
	6 Propene	41	3.897	3.897	(0.421)	1691339	8.00000	6.878
	7 Dichlorodifluoromethane	85	3.956	3.956	(0.428)	4152666	8.00000	6.859
	8 Chloromethane	52	4.150	4.150	(0.449)	577247	8.00000	7.264
	9 1,2-Dichlorotetrafluoroethane	135	4.155	4.155	(0.449)	2489793	8.00000	7.030
	10 Methanol	31	4.284	4.284	(0.463)	357938	8.00000	6.396
	11 ~ acetaldehyde	44	4.311	4.311	(0.466)	1202352	40.4800	27.65
	12 Vinyl Chloride	62	4.333	4.333	(0.468)	1736848	8.00000	6.902
	13 n-Butane	43	4.429	4.429	(0.479)	2789447	8.00000	6.767
	14 1,3-Butadiene	54	4.429	4.429	(0.479)	1313801	8.00000	6.978
	15 Bromomethane	94	4.774	4.774	(0.516)	1277916	8.00000	7.437

Data File: /var/chem/gcms/mj.i/J082511I.b/jich258.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16	Chloroethane	64	4.924	4.924	(0.532)	765072	8.00000	6.971
17	~ ethanol	31	5.010	5.010	(0.542)	2505564	41.7600	34.60
18	Vinyl Bromide	106	5.247	5.247	(0.567)	1307295	8.00000	7.081
19	2-methyl butane	43	5.301	5.301	(0.573)	2479238	8.00000	6.817
20	Trichlorofluoromethane	101	5.532	5.532	(0.598)	3520022	8.00000	7.029
21	Acrolein	56	5.532	5.532	(0.598)	317293	8.00000	7.236
22	Acetonitrile	40	5.597	5.597	(0.605)	480408	8.00000	6.974
23	Acetone	58	5.651	5.651	(0.611)	463084	8.00000	6.498
24	Isopropyl alcohol	45	5.731	5.731	(0.620)	1852251	8.00000	6.769
25	Pentane	72	5.769	5.769	(0.624)	241840	8.00000	7.095
26	Ethyl Ether	31	5.930	5.930	(0.641)	1800533	8.00000	7.093
27	1,1-Dichloroethene	96	6.275	6.275	(0.678)	1200632	8.00000	6.974
28	tert-butanol	59	6.345	6.345	(0.686)	2198325	8.00000	6.707
29	Acrylonitrile	53	6.366	6.366	(0.688)	840425	8.00000	7.280
30	1,1,2-Trichlorotrifluoroethane	101	6.457	6.457	(0.698)	2507375	8.00000	7.042
31	Methylene Chloride	84	6.635	6.635	(0.717)	1145695	8.00000	6.675
32	3-Chloropropene	39	6.651	6.651	(0.719)	1627393	8.00000	7.137
33	Carbon Disulfide	76	6.813	6.813	(0.737)	4273094	8.00000	7.012
34	trans-1,2-Dichloroethene	96	7.474	7.474	(0.808)	1415920	8.00000	7.180
35	~ 2-Methyl Pentane	43	7.496	7.496	(0.810)	4522866	8.00000	6.991
36	Methyl-t-Butyl Ether	73	7.593	7.593	(0.821)	2366135	8.00000	6.980
37	1,1-Dichloroethane	63	7.905	7.905	(0.855)	2750120	8.00000	6.706
38	Vinyl Acetate	43	8.001	8.001	(0.865)	2851946	8.00000	7.264
39	2-Butanone	72	8.453	8.453	(0.914)	404701	8.00000	6.893
40	Hexane	56	8.507	8.507	(0.920)	1501720	8.00000	6.723
41	cis 1,2-Dichloroethene	96	8.911	8.911	(0.963)	1311456	8.00000	6.853
42	Ethyl acetate	43	9.083	9.083	(0.982)	2487925	8.00000	6.955
43	Chloroform	83	9.260	9.260	(1.001)	2581887	8.00000	6.426
44	Tetrahydrofuran	42	9.658	9.658	(1.044)	1366640	8.00000	6.976
45	1,1,1-Trichloroethane	97	10.309	10.309	(1.115)	2614850	8.00000	6.543
46	1,2-Dichloroethane	62	10.411	10.411	(0.911)	1887556	8.00000	7.171
47	1-Butanol	31	10.809	10.809	(0.946)	695179	8.00000	6.910
48	Benzene	78	10.901	10.901	(0.954)	3652284	8.00000	6.992
49	Cyclohexane	69	10.906	10.906	(0.955)	744037	8.00000	6.898
50	Carbon Tetrachloride	117	10.928	10.928	(0.957)	2765622	8.00000	7.627
51	~ 2,3-dimethylpentane	71	11.025	11.025	(0.965)	889655	8.24000	7.031
52	~ Thiophene	84	11.170	11.170	(0.978)	2117862	8.32000	7.198
53	2,2,4-trimethylpentane	57	11.649	11.649	(1.020)	7341317	8.00000	6.601
54	Heptane	71	12.014	12.014	(1.052)	1292478	8.00000	6.739
55	1,2-Dichloropropane	63	12.095	12.095	(1.059)	1426092	8.00000	7.231
56	Trichloroethene	130	12.133	12.133	(1.062)	1702291	8.00000	6.880
180	~ 2-nitropropane	43	12.014	12.014	(1.052)	3236982	8.00000	0.000
57	Dibromomethane	93	12.214	12.214	(1.069)	1545973	8.00000	6.790
58	Bromodichloromethane	83	12.353	12.353	(1.081)	2738393	8.00000	7.169
59	1,4-dioxane	88	12.353	12.353	(1.081)	385284	8.00000	7.188
60	Methyl Methacrylate	41	12.434	12.434	(1.089)	1566371	8.00000	7.748
61	~ methyl cyclohexane	83	12.902	12.902	(1.129)	2288547	8.32000	7.026

Data File: /var/chem/gcms/mj.i/J082511I.b/jich258.d
Report Date: 26-Aug-2011 13:00

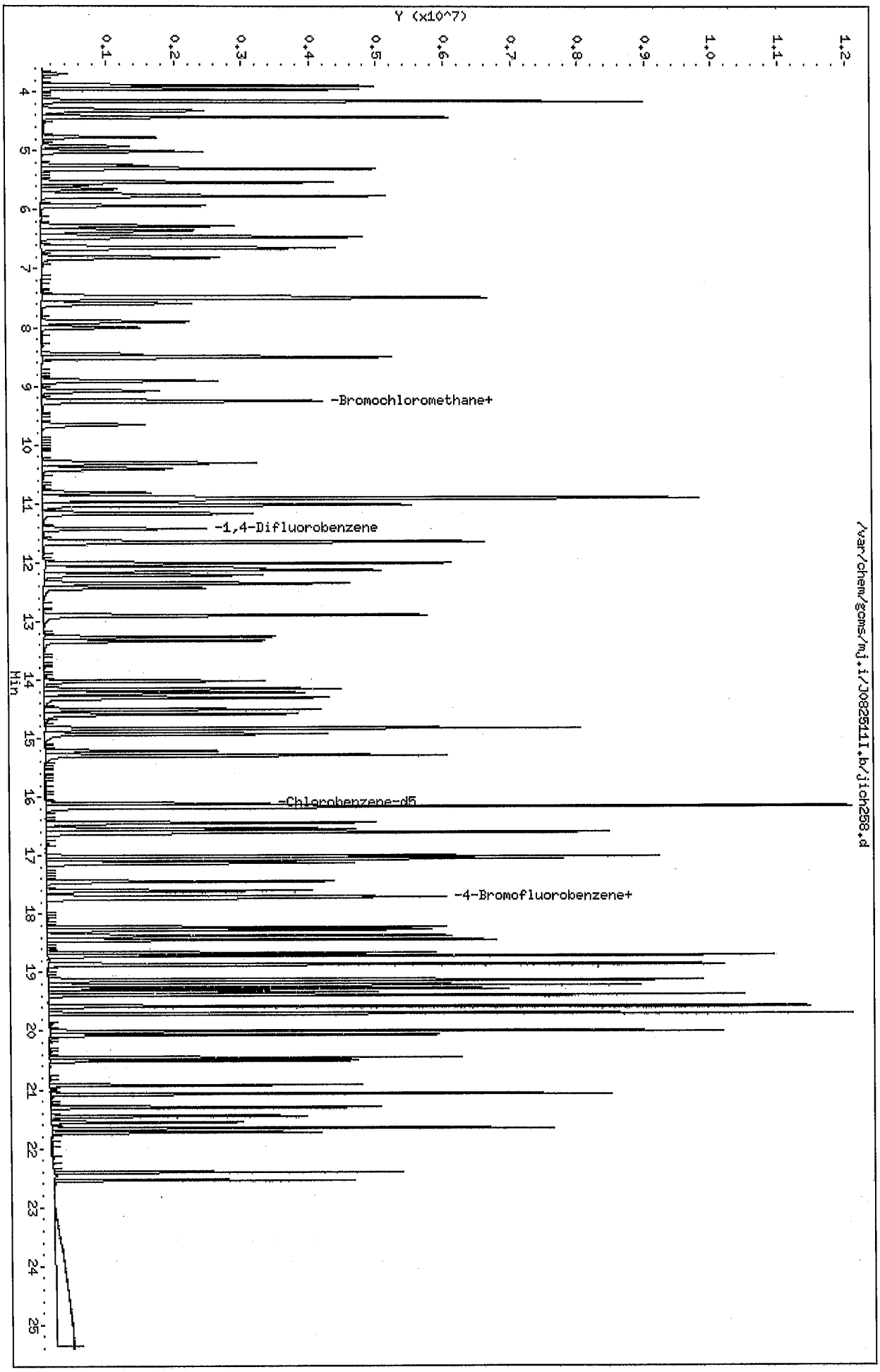
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.268	13.268	(1.162)	3021610	8.00000	7.745
63	cis-1,3-Dichloropropene	75	13.338	13.338	(1.168)	1937287	8.00000	7.559
64	trans-1,3-Dichloropropene	75	14.026	14.026	(0.870)	1869840	8.00000	7.493
65	Toluene	91	14.161	14.161	(0.879)	3527190	8.00000	7.057
66	1,1,2-Trichloroethane	83	14.225	14.225	(0.883)	1177248	8.00000	6.970
67	~ 2-methyl thiophene	97	14.312	14.312	(0.888)	3159684	8.40000	7.392
68	~ 3-methyl thiophene	97	14.511	14.511	(0.900)	3128220	8.32000	7.292
69	2-Hexanone	58	14.591	14.591	(0.906)	1406362	8.00000	7.667
70	Octane	85	14.833	14.833	(0.921)	1297623	8.00000	6.842
71	Dibromochloromethane	129	14.930	14.930	(0.927)	2480092	8.00000	7.573
72	1,2-Dibromoethane	107	15.221	15.221	(0.945)	2048650	8.00000	7.044
73	Tetrachloroethene	129	15.296	15.296	(0.949)	1357991	8.00000	6.493
74	Chlorobenzene	112	16.162	16.162	(1.003)	2777252	8.00000	6.889
75	~ 2,3-dimethylheptane	43	16.173	16.173	(1.004)	5447048	8.32000	6.970
76	Ethylbenzene	91	16.447	16.447	(1.021)	4010167	8.00000	7.042
77	~ 2-ethyl thiophene	97	16.549	16.549	(1.027)	3343905	8.24000	7.315
78	m&p-Xylene	91	16.609	16.609	(1.031)	6173292	16.0000	14.12
79	Nonane	57	17.017	17.017	(1.056)	3211016	8.00000	7.283
80	Bromoform	173	17.055	17.055	(1.058)	2301974	8.00000	8.321
81	Styrene	104	17.066	17.066	(1.059)	2441620	8.00000	7.655
82	o-Xylene	91	17.130	17.130	(1.063)	3125235	8.00000	6.872
M 83	Xylene (total)	100				9298527	24.0000	20.99
84	1,1,2,2-Tetrachloroethane	83	17.442	17.442	(1.082)	2571652	8.00000	7.014
85	1,2,3-Trichloropropane	110	17.604	17.604	(1.092)	575952	8.00000	6.943
86	Cumene	105	17.711	17.711	(1.099)	4143305	8.00000	7.019
87	n-Propylbenzene	120	18.233	18.233	(1.132)	1109814	8.00000	7.198
88	2-chlorotoluene	126	18.282	18.282	(1.135)	1138953	8.00000	7.054
89	4-Ethyltoluene	105	18.378	18.378	(1.141)	4005595	8.00000	7.065
90	1,3,5-Trimethylbenzene	120	18.448	18.448	(1.145)	1852378	8.00000	7.216
91	Alpha-Methylstyrene	118	18.669	18.669	(1.159)	1707311	8.00000	7.595
92	Decane	57	18.723	18.723	(1.162)	3576871	8.00000	7.812
93	tert-butylbenzene	119	18.863	18.863	(1.171)	3323089	8.00000	7.184
94	1,2,4-Trimethylbenzene	105	18.873	18.873	(1.171)	3148588	8.00000	7.115
95	sec-butylbenzene	105	19.126	19.126	(1.187)	4555391	8.00000	7.160
96	1,3-Dichlorobenzene	146	19.142	19.142	(1.188)	2486973	8.00000	7.355
97	Benzyl Chloride	91	19.212	19.212	(1.192)	3099634	8.00000	7.538
98	1,4-Dichlorobenzene	146	19.228	19.228	(1.193)	2431088	8.00000	7.342
99	p-Cymene	119	19.282	19.282	(1.197)	3521987	8.00000	7.118
100	~ 1,2,3- Trimethylbenzene	105	19.336	19.336	(1.200)	2608293	8.32000	7.116
101	~ n-butylcyclohexane	83	19.390	19.390	(1.203)	3196375	8.24000	7.569
102	~ Indane	117	19.583	19.583	(1.215)	2861767	8.24000	7.047
103	1,2-Dichlorobenzene	146	19.583	19.583	(1.215)	2176234	8.00000	7.103
104	n-butylbenzene	91	19.707	19.707	(1.223)	3585138	8.00000	7.121
105	~ Indene	116	19.707	19.707	(1.223)	2300403	8.40000	7.524
106	Undecane	57	20.003	20.003	(1.241)	3018247	8.00000	8.345
107	~ 1,2-dimethyl-4-ethylenzene	119	20.073	20.073	(1.246)	2990664	8.24000	7.297
108	~ 1,2,4,5-tetramethylbenzene	119	20.455	20.455	(1.269)	2874198	8.24000	7.512

Data File: /var/chem/gcms/mj.i/J082511I.b/jich258.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.509	20.509	(1.273)	2247352	8.40000	8.410
110 ~ 1,2,3,4-tetramethylbenzene	119	20.923	20.923	(1.298)	2332129	8.16000	7.910
111 Dodecane	57	21.074	21.074	(1.308)	2648502	8.00000	8.688
112 1,2,4-Trichlorobenzene	180	21.299	21.299	(1.322)	1447592	8.00000	8.226
113 Napthalene	128	21.450	21.450	(1.331)	2825025	8.00000	7.735
114 ~ benzo(b) thiophene	134	21.552	21.552	(1.338)	1891718	8.16000	7.964
115 Hexachlorobutadiene	225	21.660	21.660	(1.344)	1394942	8.00000	8.017
116 1,2,3-trichlorobenzene	180	21.730	21.730	(1.349)	1121908	8.00000	7.591
117 ~ 2-Methylnaphthalene	142	22.402	22.402	(1.390)	1748351	50.0000	51.26(A)
118 ~ 1-Methylnaphthalene	142	22.542	22.542	(1.399)	1367369	50.0000	46.07(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 25-AUG-2011 22:58
Client ID: STD 8
Sample Info: ICAL8,1,8,,STD 8
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J0825111.b/jich258.d
Min

Data File: /var/chem/gcms/mj.i/J082511I.b/jich259.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jich259.d
Lab Smp Id: ICAL9 Client Smp ID: STD 16
Inj Date : 25-AUG-2011 23:50
Operator : 403648 Inst ID: mj.i
Smp Info : ICAL9,,1,9,,STD 16
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 13:00 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 23:50 Cal File: jich259.d
Als bottle: 7 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.255	9.255	(1.000)	510537	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.428	11.428	(1.000)	2182180	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.119	16.119	(1.000)	2024730	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.744	17.744	(1.101)	1548819	4.00000	4.030
	5 Chlorodifluoromethane	67	3.886	3.886	(0.420)	850547	16.0000	13.58
	6 Propene	41	3.897	3.897	(0.421)	3284780	16.0000	12.58
	7 Dichlorodifluoromethane	85	3.956	3.956	(0.427)	8120645	16.0000	12.64
	8 Chloromethane	52	4.150	4.150	(0.448)	1133456	16.0000	13.44
	9 1,2-Dichlorotetrafluoroethane	135	4.155	4.155	(0.449)	4971563	16.0000	13.22
	10 Methanol	31	4.290	4.290	(0.464)	727529	16.0000	12.25
	11 ~ acetaldehyde	44	4.311	4.311	(0.466)	2707413	80.9600	58.66
	12 Vinyl Chloride	62	4.333	4.333	(0.468)	3530493	16.0000	13.22
	13 n-Butane	43	4.430	4.430	(0.479)	5596352	16.0000	12.79
	14 1,3-Butadiene	54	4.430	4.430	(0.479)	2678760	16.0000	13.40
	15 Bromomethane	94	4.774	4.774	(0.516)	2621775	16.0000	14.37

Data File: /var/chem/gcms/mj.i/J082511I.b/jich259.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16	Chloroethane	64	4.924	4.924	(0.532)	1551411	16.0000	13.32
17	~ ethanol	31	5.021	5.021	(0.543)	5197358	83.5300	67.61
18	Vinyl Bromide	106	5.253	5.253	(0.568)	2713639	16.0000	13.85
19	2-methyl butane	43	5.306	5.306	(0.573)	4955578	16.0000	12.84
20	Trichlorofluoromethane	101	5.538	5.538	(0.598)	7177731	16.0000	13.50
21	Acrolein	56	5.538	5.538	(0.598)	1009489	16.0000	21.68(A)
22	Acetonitrile	40	5.602	5.602	(0.605)	1301422	16.0000	17.80(A)
23	Acetone	58	5.656	5.656	(0.611)	1074579	16.0000	14.20
24	Isopropyl alcohol	45	5.742	5.742	(0.620)	3799938	16.0000	13.08
25	Pentane	72	5.774	5.774	(0.624)	491254	16.0000	13.58
26	Ethyl Ether	31	5.936	5.936	(0.641)	4354960	16.0000	16.16(A)
27	1,1-Dichloroethene	96	6.280	6.280	(0.679)	2475381	16.0000	13.54
28	tert-butanol	59	6.361	6.361	(0.687)	4425312	16.0000	12.72
29	Acrylonitrile	53	6.377	6.377	(0.689)	2266874	16.0000	18.50(A)
30	1,1,2-Trichlorotrifluoroethane	101	6.463	6.463	(0.698)	5172526	16.0000	13.68
31	Methylene Chloride	84	6.635	6.635	(0.717)	2347261	16.0000	12.88
32	3-Chloropropene	39	6.657	6.657	(0.719)	2520131	16.0000	10.41
33	Carbon Disulfide	76	6.813	6.813	(0.736)	8656370	16.0000	13.38
34	trans-1,2-Dichloroethene	96	7.480	7.480	(0.808)	2925292	16.0000	13.97
35	~ 2-Methyl Pentane	43	7.501	7.501	(0.810)	8880249	16.0000	12.93
36	Methyl-t-Butyl Ether	73	7.598	7.598	(0.821)	5657325	16.0000	15.72
37	1,1-Dichloroethane	63	7.910	7.910	(0.855)	5671207	16.0000	13.03
38	Vinyl Acetate	43	8.007	8.007	(0.865)	7672753	16.0000	18.41(A)
39	2-Butanone	72	8.459	8.459	(0.914)	939768	16.0000	15.08
40	Hexane	56	8.513	8.513	(0.920)	3088942	16.0000	13.03
41	cis 1,2-Dichloroethene	96	8.916	8.916	(0.963)	2736878	16.0000	13.47
42	Ethyl acetate	43	9.088	9.088	(0.982)	5937169	16.0000	15.64
43	Chloroform	83	9.266	9.266	(1.001)	5555891	16.0000	13.03
44	Tetrahydrofuran	42	9.658	9.658	(1.044)	3364932	16.0000	16.18(A)
45	1,1,1-Trichloroethane	97	10.315	10.315	(1.115)	5463840	16.0000	12.88
46	1,2-Dichloroethane	62	10.417	10.417	(0.912)	4137712	16.0000	15.17
47	1-Butanol	31	10.820	10.820	(0.947)	1373735	16.0000	13.17
48	Benzene	78	10.906	10.906	(0.954)	7942348	16.0000	14.67
49	Cyclohexane	69	10.912	10.912	(0.955)	1518874	16.0000	13.59
50	Carbon Tetrachloride	117	10.933	10.933	(0.957)	4620207	16.0000	12.29
51	~ 2,3-dimethylpentane	71	11.025	11.025	(0.965)	1879976	16.4800	14.33
52	~ Thiophene	84	11.175	11.175	(0.978)	4674919	16.6400	15.33
53	2,2,4-trimethylpentane	57	11.654	11.654	(1.020)	15616189	16.0000	13.54
54	Heptane	71	12.020	12.020	(1.052)	2855373	16.0000	14.36
55	1,2-Dichloropropane	63	12.101	12.101	(1.059)	3381742	16.0000	16.54(A)
56	Trichloroethene	130	12.138	12.138	(1.062)	3733239	16.0000	14.56
180	~ 2-nitropropane	43	12.020	12.020	(1.052)	7009748	16.0000	0.000
57	Dibromomethane	93	12.219	12.219	(1.069)	3486798	16.0000	14.77
58	Bromodichloromethane	83	12.359	12.359	(1.081)	5973386	16.0000	15.09
59	1,4-dioxane	88	12.359	12.359	(1.081)	767006	16.0000	13.80
60	Methyl Methacrylate	41	12.440	12.440	(1.088)	3816895	16.0000	18.22(A)
61	~ methyl cyclohexane	83	12.908	12.908	(1.129)	4835626	16.6400	14.32

Data File: /var/chem/gcms/mj.i/J082511I.b/jich259.d
Report Date: 26-Aug-2011 13:00

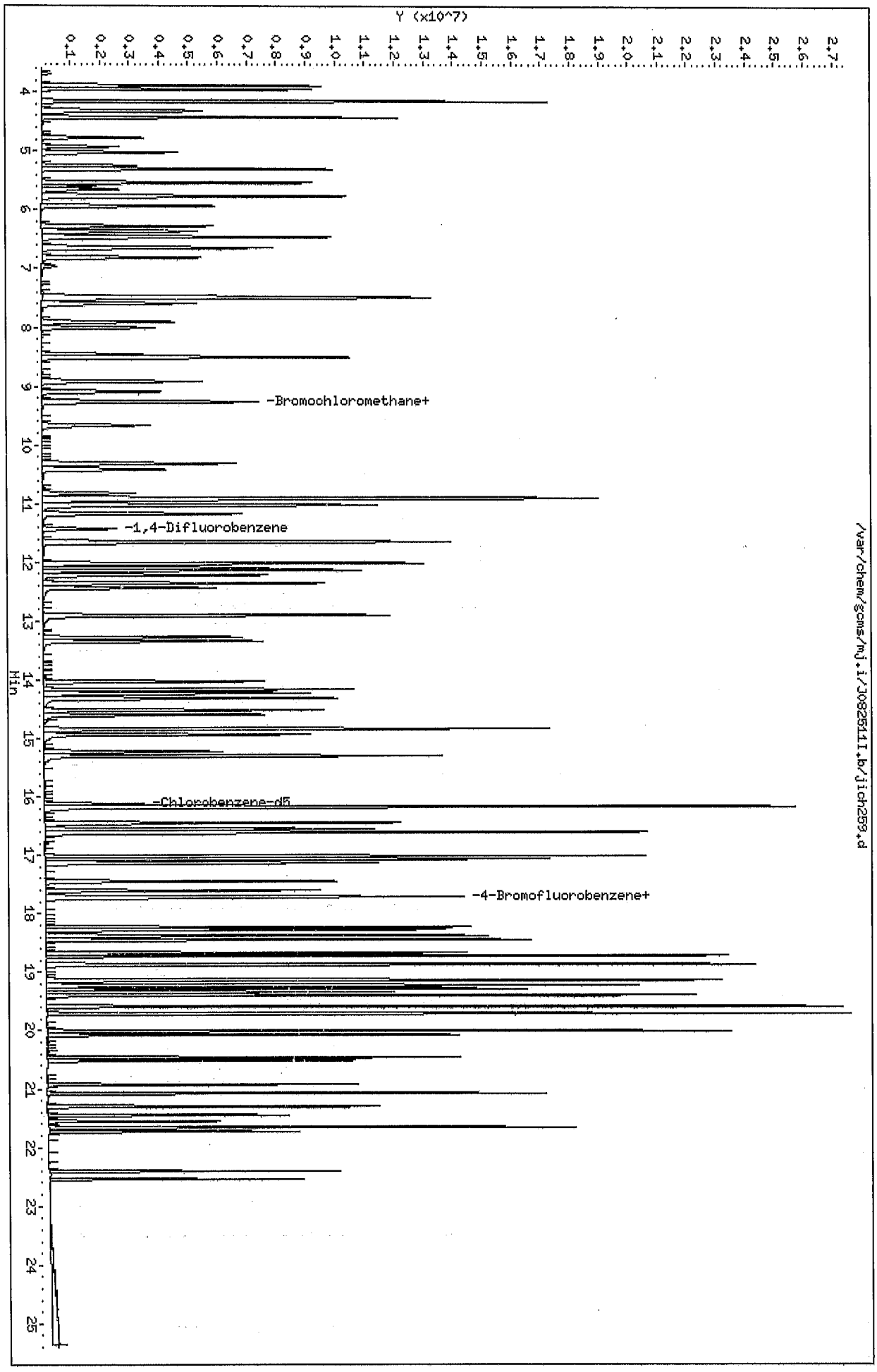
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.273	13.273	(1.161)	6023578	16.0000	14.90
63	cis-1,3-Dichloropropene	75	13.343	13.343	(1.168)	4436396	16.0000	16.70(A)
64	trans-1,3-Dichloropropene	75	14.026	14.026	(0.870)	4310012	16.0000	16.71(A)
65	Toluene	91	14.166	14.166	(0.879)	8493562	16.0000	16.44(A)
66	1,1,2-Trichloroethane	83	14.231	14.231	(0.883)	2768314	16.0000	15.86
67	~ 2-methyl thiophene	97	14.317	14.317	(0.888)	7475727	16.8000	16.92(A)
68	~ 3-methyl thiophene	97	14.516	14.516	(0.901)	7386090	16.6400	16.66(A)
69	2-Hexanone	58	14.597	14.597	(0.906)	2883754	16.0000	15.21
70	Octane	85	14.839	14.839	(0.921)	2922583	16.0000	14.91
71	Dibromochloromethane	129	14.930	14.930	(0.926)	5378605	16.0000	15.89
72	1,2-Dibromoethane	107	15.221	15.221	(0.944)	4812988	16.0000	16.01(A)
73	Tetrachloroethene	129	15.301	15.301	(0.949)	3125844	16.0000	14.46
74	Chlorobenzene	112	16.168	16.168	(1.003)	6503990	16.0000	15.61
75	~ 2,3-dimethylheptane	43	16.178	16.178	(1.004)	10860131	16.6400	13.45
76	Ethylbenzene	91	16.447	16.447	(1.020)	9778422	16.0000	16.62(A)
77	~ 2-ethyl thiophene	97	16.549	16.549	(1.027)	8048315	16.4800	17.04(A)
78	m&p-Xylene	91	16.609	16.609	(1.030)	14880677	32.0000	32.93(A)
79	Nonane	57	17.017	17.017	(1.056)	7221207	16.0000	15.85
80	Bromoform	173	17.061	17.061	(1.058)	4768780	16.0000	16.68(A)
81	Styrene	104	17.071	17.071	(1.059)	5956414	16.0000	18.07(A)
82	o-Xylene	91	17.136	17.136	(1.063)	7718828	16.0000	16.42(A)
M 83	Xylene (total)	100				22599505	48.0000	49.36
84	1,1,2,2-Tetrachloroethane	83	17.448	17.448	(1.082)	6071490	16.0000	16.02(A)
85	1,2,3-Trichloropropane	110	17.604	17.604	(1.092)	1385828	16.0000	16.17(A)
86	Cumene	105	17.711	17.711	(1.099)	10122615	16.0000	16.59(A)
87	n-Propylbenzene	120	18.233	18.233	(1.131)	2818481	16.0000	17.69(A)
88	2-chlorotoluene	126	18.282	18.282	(1.134)	2766874	16.0000	16.58(A)
89	4-Ethyltoluene	105	18.378	18.378	(1.140)	9709568	16.0000	16.57(A)
90	1,3,5-Trimethylbenzene	120	18.448	18.448	(1.145)	4698826	16.0000	17.71(A)
91	Alpha-Methylstyrene	118	18.674	18.674	(1.159)	4310635	16.0000	18.56(A)
92	Decane	57	18.723	18.723	(1.162)	8049243	16.0000	17.01(A)
93	tert-butylbenzene	119	18.868	18.868	(1.171)	8292686	16.0000	17.35(A)
94	1,2,4-Trimethylbenzene	105	18.879	18.879	(1.171)	7710056	16.0000	16.86(A)
95	sec-butylbenzene	105	19.126	19.126	(1.187)	10709222	16.0000	16.29(A)
96	1,3-Dichlorobenzene	146	19.142	19.142	(1.188)	5926917	16.0000	16.96(A)
97	Benzyl Chloride	91	19.212	19.212	(1.192)	7241085	16.0000	17.04(A)
98	1,4-Dichlorobenzene	146	19.228	19.228	(1.193)	5739491	16.0000	16.77(A)
99	p-Cymene	119	19.282	19.282	(1.196)	8521198	16.0000	16.67(A)
100	~ 1,2,3- Trimethylbenzene	105	19.341	19.341	(1.200)	6277054	16.6400	16.57(A)
101	~ n-butylcyclohexane	83	19.395	19.395	(1.203)	7250304	16.4800	16.61(A)
102	~ Indane	117	19.583	19.583	(1.215)	6891973	16.4800	16.42(A)
103	1,2-Dichlorobenzene	146	19.583	19.583	(1.215)	5212476	16.0000	16.46(A)
104	n-butylbenzene	91	19.707	19.707	(1.223)	8266188	16.0000	15.89
105	~ Indene	116	19.707	19.707	(1.223)	5557299	16.8000	17.59(A)
106	Undecane	57	20.003	20.003	(1.241)	7450793	16.0000	19.94(A)
107	~ 1,2-dimethyl-4-ethylenzene	119	20.073	20.073	(1.245)	7027038	16.4800	16.59(A)
108	~ 1,2,4,5-tetramethylbenzene	119	20.455	20.455	(1.269)	6602669	16.4800	16.70(A)

Data File: /var/chem/gcms/mj.i/J082511I.b/jich259.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.514	20.514	(1.273)	5124196	16.8000	18.56(A)
110 ~ 1,2,3,4-tetramethylbenzene	119	20.923	20.923	(1.298)	5254450	16.3200	17.25(A)
111 Dodecane	57	21.074	21.074	(1.307)	5511089	16.0000	17.50(A)
112 1,2,4-Trichlorobenzene	180	21.300	21.300	(1.321)	3361985	16.0000	18.49(A)
113 Napthalene	128	21.450	21.450	(1.331)	6042195	16.0000	16.01(A)
114 ~ benzo(b) thiophene	134	21.552	21.552	(1.337)	3899893	16.3200	15.89
115 Hexachlorobutadiene	225	21.660	21.660	(1.344)	3616489	16.0000	20.11(A)
116 1,2,3-trichlorobenzene	180	21.730	21.730	(1.348)	2344048	16.0000	15.35
117 ~ 2-Methylnaphthalene	142	22.402	22.402	(1.390)	3362311	100.000	95.40(A)
118 ~ 1-Methylnaphthalene	142	22.542	22.542	(1.398)	2677374	100.000	87.30(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: /var/chem/gcms/mj.i/J0825111.b/jich259.d
Date : 25-AUG-2011 23:50
Client ID: STD 16
Sample Info: ICAL9,.1,9,.STD 16
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 403648
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
-4-Bromofluorobenzene+
Min
/var/chem/gcms/mj.i/J0825111.b/jich259.d

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Lab Smp Id: ICV Client Smp ID: LCS
Inj Date : 26-AUG-2011 01:31
Operator : 403648 Inst ID: mj.i
Smp Info : ICV,,3,,,LCS
Misc Info : J082511I,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J082511I.b/TO15.m
Meth Date : 26-Aug-2011 13:00 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 23:50 Cal File: jich259.d
Als bottle: 8 QC Sample: 2ND SOURCE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.247	9.255	(1.000)	497727	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.421	11.428	(1.000)	2346193	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.112	16.119	(1.000)	2069930	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.742	17.744	(1.101)	1582456	4.02763	10.07
	5 Chlorodifluoromethane	67	3.884	3.886	(0.420)	231945	3.79971	9.499
	6 Propene	41	3.900	3.897	(0.422)	874652	3.43702	8.592
	7 Dichlorodifluoromethane	85	3.954	3.956	(0.428)	2190460	3.49606	8.740
	8 Chloromethane	52	4.148	4.150	(0.449)	302391	3.67714	9.193
	9 1,2-Dichlorotetrafluoroethane	135	4.153	4.155	(0.449)	1265302	3.45221	8.630
	10 Methanol	31	4.282	4.290	(0.463)	242919	4.19445	10.49
	11 ~ acetaldehyde	44	4.309	4.311	(0.466)	724870	16.1094	40.27
	12 Vinyl Chloride	62	4.331	4.333	(0.468)	892862	3.42867	8.572
	13 n-Butane	43	4.427	4.430	(0.479)	1482673	3.47564	8.689
	14 1,3-Butadiene	54	4.427	4.430	(0.479)	699398	3.58925	8.973
	15 Bromomethane	94	4.772	4.774	(0.516)	622210	3.49898	8.747

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
16	Chloroethane	64	4.917	4.924	(0.532)	375414	3.30529	8.263
17	~ ethanol	31	5.008	5.021	(0.542)	1258533	16.7936	41.98
18	Vinyl Bromide	106	5.245	5.253	(0.567)	709039	3.71102	9.278
19	2-methyl butane	43	5.299	5.306	(0.573)	1281752	3.40526	8.513
20	Trichlorofluoromethane	101	5.530	5.538	(0.598)	1805026	3.48269	8.707
21	Acrolein	56	5.530	5.538	(0.598)	188379	4.15085	10.38
22	Acetonitrile	40	5.595	5.602	(0.605)	260414	3.65283	9.132
23	Acetone	58	5.649	5.656	(0.611)	332068	4.50261	11.26
24	Isopropyl alcohol	45	5.729	5.742	(0.620)	905084	3.19599	7.990
25	Pentane	72	5.767	5.774	(0.624)	121555	3.44563	8.614
26	Ethyl Ether	31	5.928	5.936	(0.641)	1023572	3.89606	9.740
27	1,1-Dichloroethene	96	6.273	6.280	(0.678)	733362	4.11630	10.29
28	tert-butanol	59	6.342	6.361	(0.686)	1055488	3.11150	7.779
29	Acrylonitrile	53	6.364	6.377	(0.688)	476327	3.98678	9.967
30	1,1,2-Trichlorotrifluoroethane	101	6.455	6.463	(0.698)	1505927	4.08707	10.22
31	Methylene Chloride	84	6.628	6.635	(0.717)	728723	4.10232	10.26
32	3-Chloropropene	39	6.649	6.657	(0.719)	871877	3.69469	9.237
33	Carbon Disulfide	76	6.805	6.813	(0.736)	2277817	3.61192	9.030
34	trans-1,2-Dichloroethene	96	7.472	7.480	(0.808)	740689	3.62909	9.073
35	~ 2-Methyl Pentane	43	7.494	7.501	(0.810)	2356329	3.51952	8.799
36	Methyl-t-Butyl Ether	73	7.591	7.598	(0.821)	1379668	3.93295	9.832
37	1,1-Dichloroethane	63	7.903	7.910	(0.855)	1571937	3.70390	9.260
38	Vinyl Acetate	43	7.999	8.007	(0.865)	1709763	4.20800	10.52
39	2-Butanone	72	8.451	8.459	(0.914)	227414	3.74257	9.356
40	Hexane	56	8.505	8.513	(0.920)	791104	3.42221	8.556
41	cis 1,2-Dichloroethene	96	8.909	8.916	(0.963)	759059	3.83271	9.582
42	Ethyl acetate	43	9.081	9.088	(0.982)	1372226	3.70686	9.267
43	Chloroform	83	9.258	9.266	(1.001)	1494612	3.59440	8.986
44	Tetrahydrofuran	42	9.656	9.658	(1.044)	788093	3.88721	9.718
45	1,1,1-Trichloroethane	97	10.307	10.315	(1.115)	1519899	3.67489	9.187
46	1,2-Dichloroethane	62	10.409	10.417	(0.911)	1109967	3.78411	9.460
47	1-Butanol	31	10.813	10.820	(0.947)	315414	2.81338	7.033
48	Benzene	78	10.899	10.906	(0.954)	2117767	3.63783	9.094
49	Cyclohexane	69	10.904	10.912	(0.955)	402493	3.34861	8.372
50	Carbon Tetrachloride	117	10.926	10.933	(0.957)	1524938	3.77370	9.434
51	~ 2,3-dimethylpentane	71	11.017	11.025	(0.965)	490458	3.47819	8.695
52	~ Thiophene	84	11.168	11.175	(0.978)	1194575	3.64295	9.107
53	2,2,4-trimethylpentane	57	11.647	11.654	(1.020)	4090455	3.30013	8.250
54	Heptane	71	12.012	12.020	(1.052)	705919	3.30298	8.257
55	1,2-Dichloropropane	63	12.093	12.101	(1.059)	823985	3.74891	9.372
56	Trichloroethene	130	12.131	12.138	(1.062)	938890	3.40484	8.512
180	~ 2-nitropropane	43	12.012	12.020	(1.052)	1778891		
57	Dibromomethane	93	12.211	12.219	(1.069)	859537	3.38735	8.468
58	Bromodichloromethane	83	12.351	12.359	(1.081)	1543257	3.62548	9.064
59	1,4-dioxane	88	12.351	12.359	(1.081)	179494	3.00481	7.512
60	Methyl Methacrylate	41	12.432	12.440	(1.089)	854007	3.79065	9.477
61	~ methyl cyclohexane	83	12.900	12.908	(1.130)	1295381	3.56868	8.922

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.271	13.273	(1.162)	1498389	3.44646	8.616
63	cis-1,3-Dichloropropene	75	13.341	13.343	(1.168)	1102088	3.85856	9.646
64	trans-1,3-Dichloropropene	75	14.024	14.026	(0.870)	1060090	4.02144	10.05
65	Toluene	91	14.159	14.166	(0.879)	2075425	3.93058	9.826
66	1,1,2-Trichloroethane	83	14.223	14.231	(0.883)	654416	3.66753	9.169
67	~ 2-methyl thiophene	97	14.309	14.317	(0.888)	1781033	3.94442	9.861
68	~ 3-methyl thiophene	97	14.509	14.516	(0.900)	1759688	3.88282	9.707
69	2-Hexanone	58	14.589	14.597	(0.906)	687609	3.54826	8.871
70	Octane	85	14.837	14.839	(0.921)	712717	3.55731	8.893
71	Dibromochloromethane	129	14.928	14.930	(0.927)	1348018	3.89651	9.741
72	1,2-Dibromoethane	107	15.219	15.221	(0.945)	1150005	3.74281	9.357
73	Tetrachloroethene	129	15.294	15.301	(0.949)	747994	3.38558	8.464
74	Chlorobenzene	112	16.160	16.168	(1.003)	1549871	3.63901	9.098
75	~ 2,3-dimethylheptane	43	16.171	16.178	(1.004)	3208086	3.88568	9.714
76	Ethylbenzene	91	16.445	16.447	(1.021)	2367911	3.93602	9.840
77	~ 2-ethyl thiophene	97	16.547	16.549	(1.027)	1881246	3.89557	9.739
78	m&p-Xylene	91	16.607	16.609	(1.031)	3595091	7.78263	19.46
79	Nonane	57	17.015	17.017	(1.056)	1782119	3.82632	9.566
80	Bromoform	173	17.053	17.061	(1.058)	1210201	4.14108	10.35
81	Styrene	104	17.069	17.071	(1.059)	1380731	4.09777	10.24
82	o-Xylene	91	17.128	17.136	(1.063)	1831683	3.81271	9.532
M 83	Xylene (total)	100				5426774	11.5953	28.99
84	1,1,2,2-Tetrachloroethane	83	17.440	17.448	(1.082)	1450305	3.74439	9.361
85	1,2,3-Trichloropropane	110	17.602	17.604	(1.092)	317267	3.62054	9.051
86	Cumene	105	17.709	17.711	(1.099)	2366365	3.79467	9.487
87	n-Propylbenzene	120	18.231	18.233	(1.132)	608981	3.73873	9.347
88	2-chlorotoluene	126	18.280	18.282	(1.135)	639566	3.74971	9.374
89	4-Ethyltoluene	105	18.376	18.378	(1.141)	2231232	3.72506	9.313
90	1,3,5-Trimethylbenzene	120	18.446	18.448	(1.145)	1049101	3.86836	9.671
91	Alpha-Methylstyrene	118	18.672	18.674	(1.159)	921236	3.87926	9.698
92	Decane	57	18.721	18.723	(1.162)	1969926	4.07264	10.18
93	tert-butylbenzene	119	18.860	18.868	(1.171)	1843186	3.77185	9.430
94	1,2,4-Trimethylbenzene	105	18.871	18.879	(1.171)	1747928	3.73892	9.347
95	sec-butylbenzene	105	19.124	19.126	(1.187)	2523456	3.75475	9.387
96	1,3-Dichlorobenzene	146	19.140	19.142	(1.188)	1321087	3.69843	9.246
97	Benzyl Chloride	91	19.210	19.212	(1.192)	1632971	3.75899	9.397
98	1,4-Dichlorobenzene	146	19.226	19.228	(1.193)	1295339	3.70289	9.257
99	p-Cymene	119	19.280	19.282	(1.197)	1927029	3.68674	9.217
100	~ 1,2,3- Trimethylbenzene	105	19.334	19.341	(1.200)	1463389	3.77927	9.448
101	~ n-butylcyclohexane	83	19.388	19.395	(1.203)	1836141	4.11576	10.29
102	~ Indane	117	19.581	19.583	(1.215)	1579182	3.68088	9.202
103	1,2-Dichlorobenzene	146	19.581	19.583	(1.215)	1150271	3.55374	8.884
104	n-butylbenzene	91	19.705	19.707	(1.223)	1941602	3.65071	9.127
105	~ Indene	116	19.705	19.707	(1.223)	1219673	3.77596	9.440
106	Undecane	57	20.001	20.003	(1.241)	1527764	3.99856	9.996
107	~ 1,2-dimethyl-4-ethylenzene	119	20.071	20.073	(1.246)	1555292	3.59199	8.980
108	~ 1,2,4,5-tetramethylbenzene	119	20.453	20.455	(1.269)	1414005	3.49823	8.746

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.512	20.514	(1.273)	1099040	3.89311	9.733
110 ~ 1,2,3,4-tetramethylbenzene	119	20.921	20.923	(1.298)	1094278	3.51339	8.783
111 Dodecane	57	21.077	21.074	(1.308)	1499191	4.65552	11.64
112 1,2,4-Trichlorobenzene	180	21.297	21.300	(1.322)	704530	3.78993	9.475
113 Napthalene	128	21.448	21.450	(1.331)	1376120	3.56646	8.916
114 ~ benzo(b) thiophene	134	21.556	21.552	(1.338)	804955	3.20783	8.020
115 Hexachlorobutadiene	225	21.658	21.660	(1.344)	743791	4.04637	10.12
116 1,2,3-trichlorobenzene	180	21.728	21.730	(1.349)	535653	3.43089	8.577
117 ~ 2-Methylnaphthalene	142	22.406	22.402	(1.391)	402613	11.1735	27.93(R)
118 ~ 1-Methylnaphthalene	142	22.540	22.542	(1.399)	333180	10.6269	26.57(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: jicvh25.d
Lab Smp Id: ICV
Analysis Type: OTHER
Quant Type: ISTD
Operator: 403648
Method File: /var/chem/gcms/mj.i/J082511I.b/TO15.m
Misc Info: J082511I,TO15,all.sub,,,

Calibration Date: 25-AUG-2011
Calibration Time: 21:16
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	494199	294048	694350	497727	0.71
2 1,4-Difluorobenze	2127324	1265758	2988890	2346193	10.29
3 Chlorobenzene-d5	1917056	1140648	2693464	2069930	7.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.25	8.92	9.58	9.25	0.00
2 1,4-Difluorobenze	11.42	11.09	11.75	11.42	0.00
3 Chlorobenzene-d5	16.11	15.78	16.44	16.11	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: icv.spk
Sublist File: all.sub
Client SDG: J082511I
Fraction: OTHER
Client Smp ID: LCS
Operator: 403648
SampleType: 2ND SOURCE
Quant Type: ISTD
Method File: /var/chem/gcms/mj.i/J082511I.b/TO15.m
Misc Info: J082511I,TO15,all.sub,,,

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5	Chlorodifluorometh	10.00	9.499	94.99	65-135
7	Dichlorodifluorome	10.00	8.740	87.40	65-135
6	Propene	10.00	8.592	85.93	65-135
9	1,2-Dichlorotetraf	10.00	8.630	86.31	65-135
8	Chloromethane	10.00	9.193	91.93	65-135
10	Methanol	10.00	10.49	104.86	65-135
11	~ acetaldehyde	47.52	40.27	84.74	65-135
12	Vinyl Chloride	10.00	8.572	85.72	65-135
13	n-Butane	10.00	8.689	86.89	65-135
14	1,3-Butadiene	10.00	8.973	89.73	65-135
15	Bromomethane	10.00	8.747	87.47	65-135
16	Chloroethane	10.00	8.263	82.63	65-135
17	~ ethanol	49.00	41.98	85.68	65-135
18	Vinyl Bromide	10.00	9.278	92.78	65-135
19	2-methyl butane	10.00	8.513	85.13	65-135
20	Trichlorofluoromet	10.00	8.707	87.07	65-135
21	Acrolein	10.00	10.38	103.77	65-135
22	Acetonitrile	10.00	9.132	91.32	65-135
23	Acetone	10.00	11.26	112.57	65-135
25	Pentane	10.00	8.614	86.14	65-135
24	Isopropyl alcohol	10.00	7.990	79.90	65-135
26	Ethyl Ether	10.00	9.740	97.40	65-135
27	1,1-Dichloroethene	10.00	10.29	102.91	65-135
29	Acrylonitrile	10.00	9.967	99.67	65-135
28	tert-butanol	10.00	7.779	77.79	65-135
30	1,1,2-Trichlorotri	10.00	10.22	102.18	65-135
31	Methylene Chloride	10.00	10.26	102.56	65-135
32	3-Chloropropene	10.00	9.237	92.37	65-135
33	Carbon Disulfide	10.00	9.030	90.30	65-135
34	trans-1,2-Dichloro	10.00	9.073	90.73	65-135
35	~ 2-Methyl Pentane	10.00	8.799	87.99	65-135
36	Methyl-t-Butyl Eth	10.00	9.832	98.32	65-135
37	1,1-Dichloroethane	10.00	9.260	92.60	65-135

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
38	Vinyl Acetate	10.00	10.52	105.20	65-135
39	2-Butanone	10.00	9.356	93.56	65-135
40	Hexane	10.00	8.556	85.56	65-135
41	cis 1,2-Dichloroet	10.00	9.582	95.82	65-135
42	Ethyl acetate	10.00	9.267	92.67	65-135
43	Chloroform	10.00	8.986	89.86	65-135
44	Tetrahydrofuran	10.00	9.718	97.18	65-135
45	1,1,1-Trichloroeth	10.00	9.187	91.87	65-135
46	1,2-Dichloroethane	10.00	9.460	94.60	65-135
47	1-Butanol	10.00	7.033	70.33	65-135
49	Cyclohexane	10.00	8.372	83.72	65-135
48	Benzene	10.00	9.094	90.95	65-135
50	Carbon Tetrachlori	10.00	9.434	94.34	65-135
51	~ 2,3-dimethylpent	10.10	8.695	86.09	65-135
52	~ Thiophene	10.00	9.107	91.07	65-135
53	2,2,4-trimethylpen	10.00	8.250	82.50	65-135
54	Heptane	10.00	8.257	82.57	65-135
55	1,2-Dichloropropan	10.00	9.372	93.72	65-135
56	Trichloroethene	10.00	8.512	85.12	65-135
57	Dibromomethane	10.00	8.468	84.68	65-135
58	Bromodichlorometha	10.00	9.064	90.64	65-135
59	1,4-dioxane	10.00	7.512	75.12	65-135
60	Methyl Methacrylat	10.00	9.477	94.77	65-135
61	~ methyl cyclohexa	10.12	8.922	88.12	65-135
62	4-Methyl-2-pentano	10.00	8.616	86.16	65-135
63	cis-1,3-Dichloropr	10.00	9.646	96.46	65-135
64	trans-1,3-Dichloro	10.00	10.05	100.54	65-135
65	Toluene	10.00	9.826	98.26	65-135
66	1,1,2-Trichloroeth	10.00	9.169	91.69	65-135
67	~ 2-methyl thiophe	10.02	9.861	98.36	65-135
68	~ 3-methyl thiophe	10.10	9.707	96.11	65-135
69	2-Hexanone	10.00	8.871	88.71	65-135
70	Octane	10.00	8.893	88.93	65-135
71	Dibromochlorometha	10.00	9.741	97.41	65-135
72	1,2-Dibromoethane	10.00	9.357	93.57	65-135
73	Tetrachloroethene	10.00	8.464	84.64	65-135
74	Chlorobenzene	10.00	9.098	90.98	65-135
75	~ 2,3-dimethylhept	10.22	9.714	95.00	65-135
76	Ethylbenzene	10.00	9.840	98.40	65-135
77	~ 2-ethyl thiophen	10.05	9.739	96.90	65-135
78	m&p-Xylene	20.00	19.46	97.28	65-135
79	Nonane	10.00	9.566	95.66	65-135
80	Bromoform	10.00	10.35	103.53	65-135
81	Styrene	10.00	10.24	102.44	65-135
82	o-Xylene	10.00	9.532	95.32	65-135
84	1,1,2,2-Tetrachlor	10.00	9.361	93.61	65-135
85	1,2,3-Trichloropro	10.00	9.051	90.51	65-135

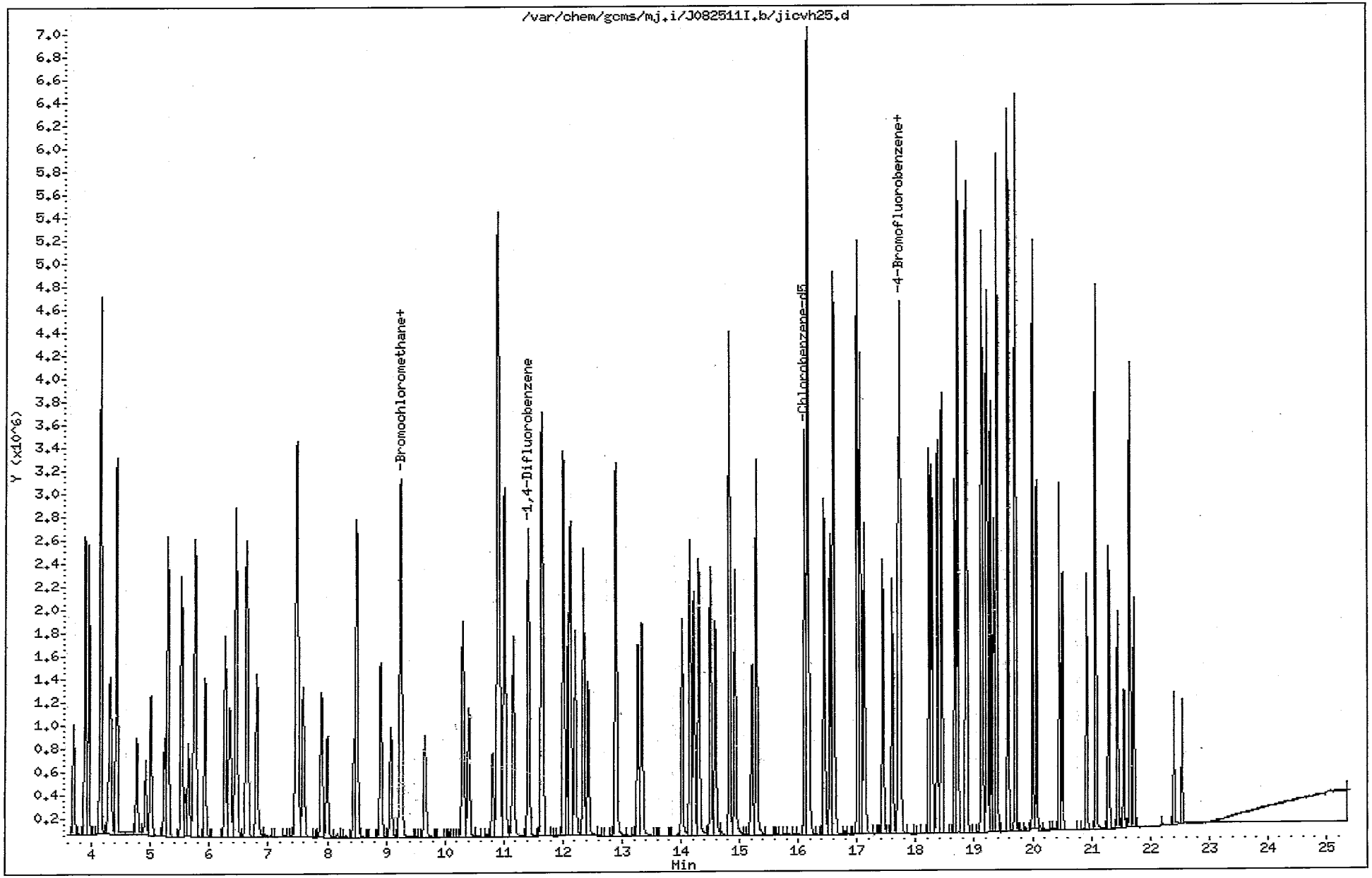
Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Report Date: 26-Aug-2011 13:00

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
86 Cumene	10.00	9.487	94.87	65-135
87 n-Propylbenzene	10.00	9.347	93.47	65-135
88 2-chlorotoluene	10.00	9.374	93.74	65-135
89 4-Ethyltoluene	10.00	9.313	93.13	65-135
90 1,3,5-Trimethylben	10.00	9.671	96.71	65-135
91 Alpha-Methylstyren	10.00	9.698	96.98	65-135
92 Decane	10.00	10.18	101.82	65-135
94 1,2,4-Trimethylben	10.00	9.347	93.47	65-135
93 tert-butylbenzene	10.00	9.430	94.30	65-135
95 sec-butylbenzene	10.00	9.387	93.87	65-135
96 1,3-Dichlorobenzen	10.00	9.246	92.46	65-135
98 1,4-Dichlorobenzen	10.00	9.257	92.57	65-135
97 Benzyl Chloride	10.00	9.397	93.97	65-135
99 p-Cymene	10.00	9.217	92.17	65-135
100 ~ 1,2,3- Trimethyl	10.18	9.448	92.86	65-135
101 ~ n-butylcyclohexa	10.08	10.29	102.13	65-135
102 ~ Indane	10.20	9.202	90.22	65-135
103 1,2-Dichlorobenzen	10.00	8.884	88.84	65-135
104 n-butylbenzene	10.00	9.127	91.27	65-135
105 ~ Indene	10.02	9.440	94.16	65-135
106 Undecane	10.00	9.996	99.96	65-135
107 ~ 1,2-dimethyl-4-e	10.00	8.980	89.80	65-135
108 ~ 1,2,4,5-tetramet	10.22	8.746	85.53	65-135
109 ~ 1,2,3,5-tetramet	10.05	9.733	96.84	65-135
110 ~ 1,2,3,4-tetramet	10.25	8.783	85.69	65-135
111 Dodecane	10.00	11.64	116.39	65-135
112 1,2,4-Trichloroben	10.00	9.475	94.75	65-135
113 Napthalene	10.00	8.916	89.16	65-135
114 ~ benzo(b) thiophe	10.18	8.020	78.82	65-135
115 Hexachlorobutadien	10.00	10.12	101.16	65-135
116 1,2,3-trichloroben	10.00	8.577	85.77	65-135
117 ~ 2-Methylnaphthal	62.50	27.93	44.69*	65-135
118 ~ 1-Methylnaphthal	62.50	26.57	42.51*	65-135

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	10.00	10.07	100.69	70-130

Data File: /var/chem/gcms/mj.i/J082511I.b/jicvh25.d
Date : 26-AUG-2011 01:31
Client ID: LCS
Sample Info: ICV,,3,,,LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 403648
Column diameter: 0.32



TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 12 & KNOX-MS-0023, Rev 0

Analysis Date:	9/26/11	CCAL Batch/ Scan Name:	J092611	Instrument:	MJ	ICAL Batch/ Scan Name:	J092511I	Scanned

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓		□ failed for TO-14A, but passes for TO-15	✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis in logbook correct?		✓			✓
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		✓			✓
6. Is the %D ≤ 30% for all target analytes? (Narrative req'd.).		✓		□ [ccal] analytes > 30% but passes LCS criteria.	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	✓
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				✓
10. Is the first IS documented correctly on the log?		✓			✓
11. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). Note: Ohio does not allow for ME.		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				✓
14. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		✓			✓

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	Date: 9/26/11	2nd Level Reviewer :	Date: 9/27/11
Comments:		Comments:	

TestAmerica Laboratories, Inc. – Knoxville 84

CANISTER RUN LOG

GCMS Analysis: AIR Inst: MJ

Analyst: HLS Qtims Batch: 1269180 (MMP7N) 1269181 (MMP7W)

Date: 9/26/11 ICAL Batch: ~~J092611~~ 9/26/11 H J082511F Target Batch: J092611 IS #1 Area: 490052

Surr/IS ID & Vol.: 40MC V425 System Date/Time ok (y/n): Y

Preventive Maintenance Performed ☑ Daily 1269182 (MMP7I)

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0850	✓	7UM0	JBFBI26	–	16	100	1	
0920	✓	CCV	CCV	CX2279	15	↓	↓	
0920	✓	LCS	LCS	↓	↓	↓		
1021	500mL lot ✓		9467	6957	16	500		OK as INST Blk.
1118	~~200mL~~ 500 +		9464	6677	1	↓	↓	500+x ths 9/26/11
1251	OK	lot 9462	1007 →		16	+	1	SD can
1502	✓	HI230466	MMN341AD	04186	1	30	6.26	meritm. 104.33
1604	✓	(N)	N35	12484	2	895	1.79	RR 1/10
1702	↓IS		N36	62359N	3	890	1.78	RR 1/10
1801	↓IS		N37	6607	4	945	1.89	RR 1/10
1855	RR	c/o	N38	12823	5	500	1.93	RR 1/20
1945	✓(N)	HI260402	MMPL21AA	12582	6	200	926.77	cpc E111 RR 80mL
2038	(N)	c/o found N38	PLS	6698	7	200	1	RR 10mL
2129	✓	HI220405	MMMMF2AA	3276N	8	40	1	pce 12.5
2223	✓	HI230451	MMN001AA	6591	9	200	1	btx
2316	✓		N02	93286	10			
0009	✓		N03	S1550	11			
0102	✓		N04	62274N	12			
0156	✓		N05	92009	13			
0249	✓		N06	12522	14			
0342	✓		N07	6689	15			
0435	dup		N07D	↓	15			
1410	OK	flush blk	flush	–	15	0	0	ths 9/26/11
0528	✓	HI230451	MMN081AA	6681	1	200	1	
0621	✓		09	1353N	2			
0715	✓	+	+ 1A +	S1530	3	+	+	
0813	200mL lot ✓		9468	7474	16	500		200mL no acetaldehyde
Norm		+	9469	LA7123	STD	200	↓	
							9/27/11 H	

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: H Date: 9/27/11

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	101	9/26/2011	8:50
15	100	9/26/2011	9:20
16	501	9/26/2011	10:20
1	501	9/26/2011	11:18
16	501	9/26/2011	12:51
15	0	9/26/2011	14:10
1	31	9/26/2011	15:02
2	896	9/26/2011	16:03
3	890	9/26/2011	17:02
4	946	9/26/2011	18:01
5	501	9/26/2011	18:55
6	201	9/26/2011	19:45
7	200	9/26/2011	20:38
8	40	9/26/2011	21:29
9	200	9/26/2011	22:23
10	200	9/26/2011	23:16
11	200	9/27/2011	0:09
12	200	9/27/2011	1:02
13	200	9/27/2011	1:56
14	201	9/27/2011	2:49
15	201	9/27/2011	3:42
15	201	9/27/2011	4:35
1	201	9/27/2011	5:28
2	201	9/27/2011	6:21
3	201	9/27/2011	7:15
16	500	9/27/2011	8:13

Data File: /chem/gcms/mj.i/J092611.b/jbfbi26.d

Date : 26-SEP-2011 08:50

Client ID: BFB

Instrument: mj.i

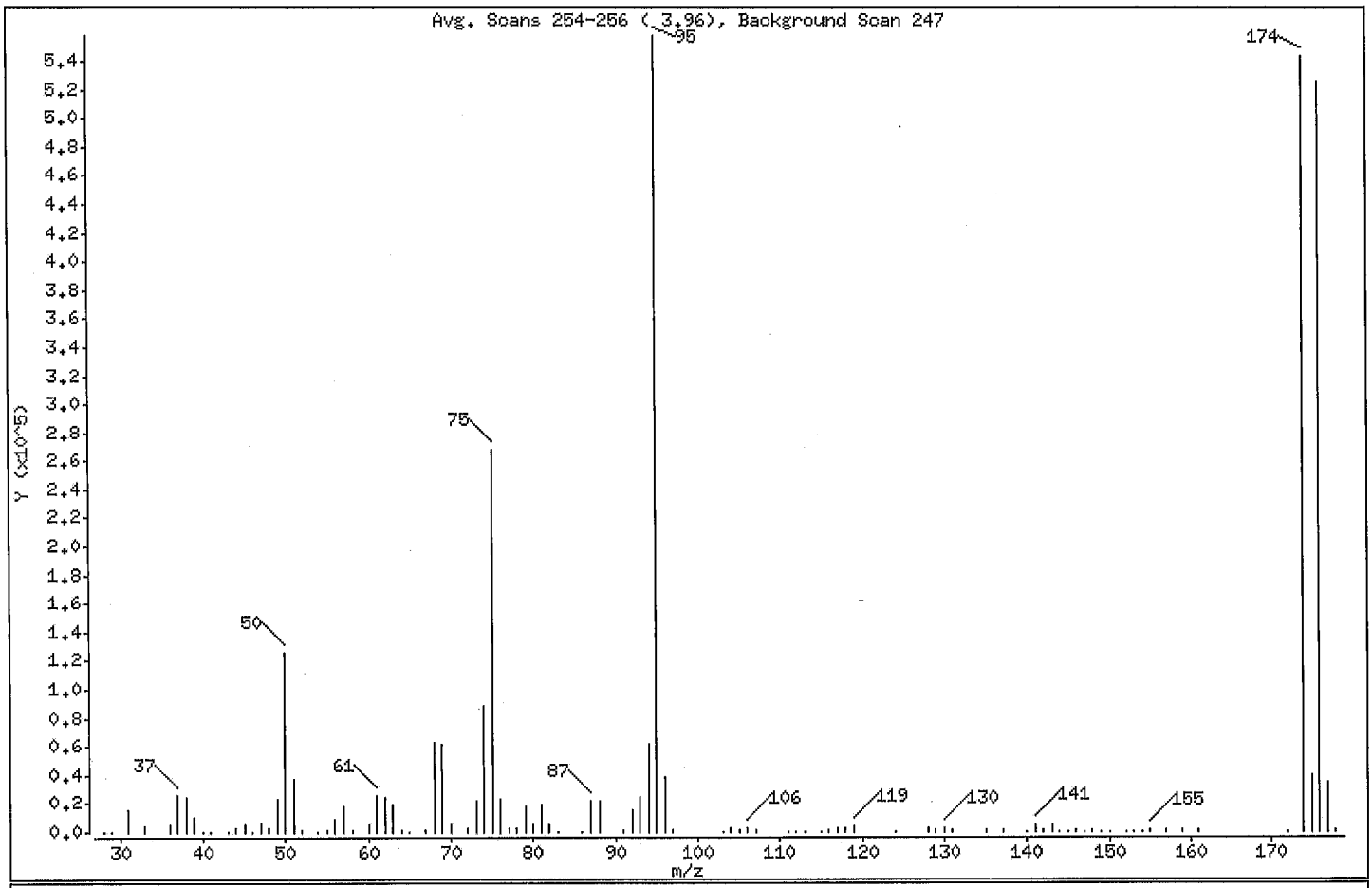
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.50
75	30.00 - 60.00% of mass 95	48.16
96	5.00 - 9.00% of mass 95	6.90
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	97.55
175	5.00 - 9.00% of mass 174	7.05 (7.23)
176	95.00 - 101.00% of mass 174	94.32 (96.68)
177	5.00 - 9.00% of mass 176	6.32 (6.70)

Data File: /chem/goms/mj.i/J092611.b/jbfbi26.d

Date : 26-SEP-2011 08:50

Client ID: BFB

Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32

Data File: jbfbi26.d
Spectrum: Avg. Scans 254-256 (3.96), Background Scan 247
Location of Maximum: 95.00
Number of points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	133	61.00	25136	93.00	24040	141.00	5275
29.00	86	62.00	24296	94.00	61352	142.00	808
31.00	15720	63.00	19488	95.00	558016	143.00	5271
33.00	3253	64.00	1809	96.00	38528	144.00	222
36.00	4683	65.00	238	97.00	1239	145.00	475
37.00	26232	67.00	1383	103.00	225	146.00	839
38.00	24144	68.00	63176	104.00	2380	147.00	366
39.00	9889	69.00	62128	105.00	874	148.00	1406
40.00	22	70.00	4803	106.00	2600	149.00	390
41.00	497	72.00	2339	107.00	672	150.00	569
43.00	587	73.00	21360	111.00	449	152.00	260
44.00	2736	74.00	88392	112.00	378	153.00	443
45.00	5616	75.00	268672	113.00	405	154.00	396
46.00	358	76.00	23552	115.00	601	155.00	1404
47.00	6533	77.00	2971	116.00	1891	157.00	1157
48.00	3123	78.00	2013	117.00	3026	159.00	721
49.00	23712	79.00	18016	118.00	2036	161.00	758
50.00	125528	80.00	5588	119.00	3345	172.00	374
51.00	37496	81.00	18744	124.00	340	174.00	544320
52.00	1431	82.00	4504	128.00	2165	175.00	39352
54.00	38	83.00	578	129.00	940	176.00	526272
55.00	1866	86.00	559	130.00	2193	177.00	35256
56.00	9018	87.00	21832	131.00	714	178.00	939
57.00	17608	88.00	21560	135.00	990		
58.00	711	91.00	1861	137.00	1003		
60.00	4754	92.00	14767	140.00	378		

Data File: /chem/gcms/mj.i/J092611.b/jbfbi26.d

Date : 26-SEP-2011 08:50

Client ID: BFB

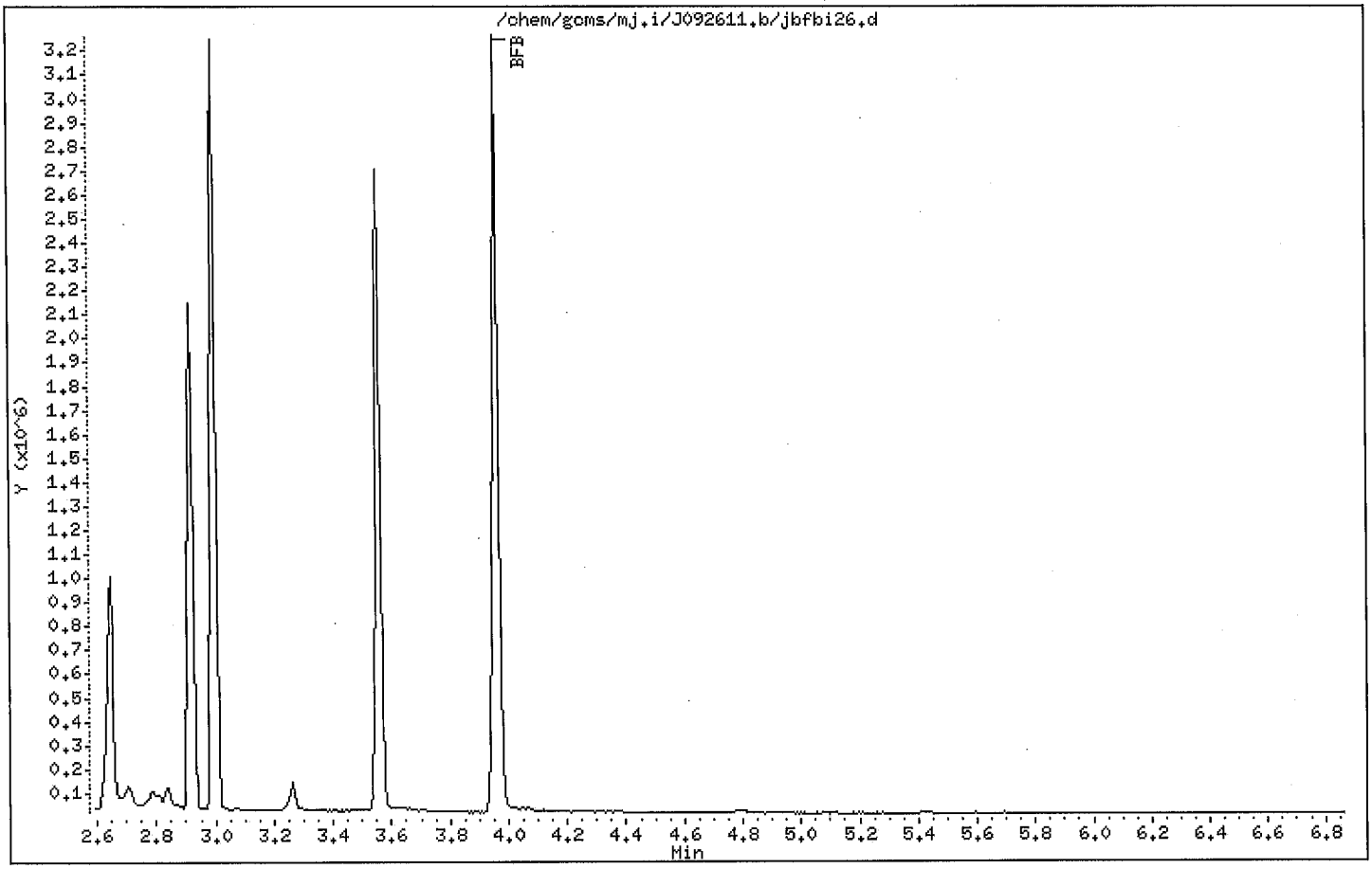
Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi26.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092611.b/TO15.m

Injection Date: 26-SEP-2011 09:20
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 4-Bromofluorobenzene	0.75925	0.77071	0.000	-1.50948	30.00000	Averaged	
5 Chlorodifluoromethane	0.49057	0.48404	0.000	1.33195	30.00000	Averaged	
6 Propene	2.04513	1.76888	0.000	13.50802	30.00000	Averaged	
7 Dichlorodifluoromethane	5.03530	4.64263	0.000	7.79830	30.00000	Averaged	
8 Chloromethane	0.66089	0.61807	0.000	6.47947	30.00000	Averaged	
9 1,2-Dichlorotetrafluoroetha	2.94554	2.78513	0.000	5.44601	30.00000	Averaged	
10 Methanol	0.46543	0.44634	0.000	4.10138	30.00000	Averaged	
11 ~ acetaldehyde	0.36162	0.23504	0.000	35.00250	30.00000	Averaged	<-Ok
12 Vinyl Chloride	2.09280	1.83702	0.000	12.22179	30.00000	Averaged	
13 n-Butane	3.42831	2.88117	0.000	15.95923	30.00000	Averaged	
14 1,3-Butadiene	1.56599	1.35444	0.000	13.50900	30.00000	Averaged	
15 Bromomethane	1.42910	1.43044	0.000	-0.09367	30.00000	Averaged	
16 Chloroethane	0.91279	0.81088	0.000	11.16411	30.00000	Averaged	
17 ~ ethanol	0.60227	0.49609	0.000	17.63034	30.00000	Averaged	
18 Vinyl Bromide	1.53549	1.46019	0.000	4.90394	30.00000	Averaged	
19 2-methyl butane	3.02498	2.64689	0.000	12.49902	30.00000	Averaged	
20 Trichlorofluoromethane	4.16522	4.06642	0.000	2.37190	30.00000	Averaged	
21 Acrolein	0.36472	0.38313	0.000	-5.04660	30.00000	Averaged	
22 Acetonitrile	0.57293	0.49820	0.000	13.04388	30.00000	Averaged	
23 Acetone	0.59270	0.56492	0.000	4.68709	30.00000	Averaged	
24 Isopropyl alcohol	2.27590	1.86012	0.000	18.26883	30.00000	Averaged	
25 Pentane	0.28351	0.26103	0.000	7.92881	30.00000	Averaged	
26 Ethyl Ether	2.11136	2.02516	0.000	4.08276	30.00000	Averaged	
27 1,1-Dichloroethene	1.43179	1.30361	0.000	8.95219	30.00000	Averaged	
28 tert-butanol	2.72616	2.21050	0.000	18.91522	30.00000	Averaged	
29 Acrylonitrile	0.96018	0.85019	0.000	11.45505	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.96115	2.84953	0.000	3.76956	30.00000	Averaged	
31 Methylene Chloride	1.42758	1.26407	0.000	11.45390	30.00000	Averaged	
32 3-Chloropropene	1.89647	1.63732	0.000	13.66488	30.00000	Averaged	
33 Carbon Disulfide	5.06815	4.65687	0.000	8.11500	30.00000	Averaged	
34 trans-1,2-Dichloroethene	1.64024	1.53776	0.000	6.24764	30.00000	Averaged	
35 ~ 2-Methyl Pentane	5.38049	4.99384	0.000	7.18609	30.00000	Averaged	
36 Methyl-t-Butyl Ether	2.81920	2.55115	0.000	9.50773	30.00000	Averaged	
37 1,1-Dichloroethane	3.41071	3.07906	0.000	9.72363	30.00000	Averaged	
38 Vinyl Acetate	3.26534	2.93762	0.000	10.03643	30.00000	Averaged	

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi26.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092611.b/TO15.m

Injection Date: 26-SEP-2011 09:20
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
39 2-Butanone	0.48833	0.41781	0.000	14.44171	30.00000	Averaged
40 Hexane	1.85779	1.58543	0.000	14.66034	30.00000	Averaged
41 cis 1,2-Dichloroethene	1.59162	1.40724	0.000	11.58427	30.00000	Averaged
42 Ethyl acetate	2.97501	2.56099	0.000	13.91667	30.00000	Averaged
43 Chloroform	3.34173	2.93233	0.000	12.25106	30.00000	Averaged
44 Tetrahydrofuran	1.62933	1.41912	0.000	12.90134	30.00000	Averaged
45 1,1,1-Trichloroethane	3.32384	2.96655	0.000	10.74921	30.00000	Averaged
46 1,2-Dichloroethane	0.50008	0.45883	0.000	8.24875	30.00000	Averaged
47 1-Butanol	0.19114	0.13805	0.000	27.77500	30.00000	Averaged
48 Benzene	0.99250	0.85680	0.000	13.67298	30.00000	Averaged
49 Cyclohexane	0.20492	0.17633	0.000	13.95276	30.00000	Averaged
50 Carbon Tetrachloride	0.68894	0.67464	0.000	2.07628	30.00000	Averaged
51 ~ 2,3-dimethylpentane	0.24041	0.20303	0.000	15.54542	30.00000	Averaged
52 ~ Thiophene	0.55906	0.49782	0.000	10.95408	30.00000	Averaged
53 2,2,4-trimethylpentane	2.11318	1.77455	0.000	16.02466	30.00000	Averaged
54 Heptane	0.36437	0.30968	0.000	15.01004	30.00000	Averaged
55 1,2-Dichloropropane	0.37472	0.34254	0.000	8.58868	30.00000	Averaged
56 Trichloroethene	0.47013	0.43117	0.000	8.28695	30.00000	Averaged
180 ~ 2-nitropropane	++++	0.78423	0.000	++++	30.00000	Averaged <- MA
57 Dibromomethane	0.43261	0.38823	0.000	10.25935	30.00000	Averaged
58 Bromodichloromethane	0.72572	0.67420	0.000	7.09931	30.00000	Averaged
59 1,4-dioxane	0.10184	0.08679	0.000	14.78153	30.00000	Averaged
60 Methyl Methacrylate	0.38410	0.32624	0.000	15.06270	30.00000	Averaged
61 ~ methyl cyclohexane	0.61885	0.52754	0.000	14.75427	30.00000	Averaged
62 4-Methyl-2-pentanone	0.74122	0.60499	0.000	18.37938	30.00000	Averaged
63 cis-1,3-Dichloropropene	0.48695	0.46356	0.000	4.80357	30.00000	Averaged
64 trans-1,3-Dichloropropene	0.50941	0.49396	0.000	3.03273	30.00000	Averaged
65 Toluene	1.02036	0.91101	0.000	10.71721	30.00000	Averaged
66 1,1,2-Trichloroethane	0.34481	0.31508	0.000	8.62172	30.00000	Averaged
67 ~ 2-methyl thiophene	0.87256	0.80022	0.000	8.29021	30.00000	Averaged
68 ~ 3-methyl thiophene	0.87577	0.80443	0.000	8.14597	30.00000	Averaged
69 2-Hexanone	0.37448	0.29371	0.000	21.56877	30.00000	Averaged
70 Octane	0.38717	0.34195	0.000	11.67805	30.00000	Averaged
71 Dibromochloromethane	0.66854	0.65455	0.000	2.09176	30.00000	Averaged
72 1,2-Dibromoethane	0.59375	0.54747	0.000	7.79593	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi26.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092611.b/TO15.m

Injection Date: 26-SEP-2011 09:20
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
73 Tetrachloroethene	0.42694	0.36898	0.000	13.57575	30.00000	Averaged
74 Chlorobenzene	0.82303	0.74193	0.000	9.85430	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.59545	1.42729	0.000	10.54017	30.00000	Averaged
76 Ethylbenzene	1.16255	1.02791	0.000	11.58159	30.00000	Averaged
77 ~ 2-ethyl thiophene	0.93321	0.86049	0.000	7.79259	30.00000	Averaged
78 m&p-Xylene	0.89266	0.78892	0.000	11.62209	30.00000	Averaged
79 Nonane	0.90004	0.83393	0.000	7.34463	30.00000	Averaged
80 Bromoform	0.56474	0.60398	0.000	-6.94846	30.00000	Averaged
81 Styrene	0.65113	0.57753	0.000	11.30273	30.00000	Averaged
82 o-Xylene	0.92837	0.80839	0.000	12.92321	30.00000	Averaged
M 83 Xylene (total)	0.90456	0.79541	0.000	12.06721	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	0.74848	0.63706	0.000	14.88677	30.00000	Averaged
85 1,2,3-Trichloropropane	0.16934	0.14273	0.000	15.71599	30.00000	Averaged
86 Cumene	1.20507	1.03948	0.000	13.74136	30.00000	Averaged
87 n-Propylbenzene	0.31476	0.27245	0.000	13.44129	30.00000	Averaged
88 2-chlorotoluene	0.32960	0.29821	0.000	9.52547	30.00000	Averaged
89 4-Ethyltoluene	1.15748	0.96704	0.000	16.45361	30.00000	Averaged
90 1,3,5-Trimethylbenzene	0.52408	0.44126	0.000	15.80327	30.00000	Averaged
91 Alpha-Methylstyrene	0.45891	0.39162	0.000	14.66290	30.00000	Averaged
92 Decane	0.93471	0.88550	0.000	5.26517	30.00000	Averaged
93 tert-butylbenzene	0.94432	0.79889	0.000	15.40087	30.00000	Averaged
94 1,2,4-Trimethylbenzene	0.90340	0.75596	0.000	16.32034	30.00000	Averaged
95 sec-butylbenzene	1.29873	1.12615	0.000	13.28832	30.00000	Averaged
96 1,3-Dichlorobenzene	0.69027	0.60798	0.000	11.92137	30.00000	Averaged
97 Benzyl Chloride	0.83948	0.72037	0.000	14.18913	30.00000	Averaged
98 1,4-Dichlorobenzene	0.67600	0.58683	0.000	13.19083	30.00000	Averaged
99 p-Cymene	1.01007	0.86370	0.000	14.49041	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	0.74827	0.62154	0.000	16.93569	30.00000	Averaged
101 ~ n-butylcyclohexane	0.86210	0.83191	0.000	3.50225	30.00000	Averaged
102 ~ Indane	0.82906	0.68777	0.000	17.04209	30.00000	Averaged
103 1,2-Dichlorobenzene	0.62549	0.53645	0.000	14.23541	30.00000	Averaged
104 n-butylbenzene	1.02775	0.86442	0.000	15.89193	30.00000	Averaged
105 ~ Indene	0.62420	0.51383	0.000	17.68059	30.00000	Averaged
106 Undecane	0.73834	0.67877	0.000	8.06808	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	0.83672	0.71076	0.000	15.05372	30.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	0.78110	0.68385	0.000	12.45049	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi26.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092611.b/TO15.m

Injection Date: 26-SEP-2011 09:20
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
109 ~ 1,2,3,5-tetramethylbenzen	0.54553	0.52046	0.000	4.59657	30.00000	Averaged
110 ~ 1,2,3,4-tetramethylbenzen	0.60187	0.56046	0.000	6.88023	30.00000	Averaged
111 Dodecane	0.62229	0.63606	0.000	-2.21343	30.00000	Averaged
112 1,2,4-Trichlorobenzene	0.35923	0.34362	0.000	4.34524	30.00000	Averaged
113 Napthalene	0.74563	0.69364	0.000	6.97220	30.00000	Averaged
114 ~ benzo(b) thiophene	0.48491	0.46344	0.000	4.42792	30.00000	Averaged
115 Hexachlorobutadiene	0.35521	0.34378	0.000	3.21965	30.00000	Averaged
116 1,2,3-trichlorobenzene	0.30170	0.28975	0.000	3.96116	30.00000	Averaged
117 ~ 2-Methylnaphthalene	0.06963	0.06951	0.000	0.17747	30.00000	Averaged
118 ~ 1-Methylnaphthalene	0.06059	0.05504	0.000	9.15600	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 26-SEP-2011 09:20
Operator : 7126 Inst ID: mj.i
Smp Info : CCV,,2,6,,CCV/LCS
Misc Info : J092611,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092611.b/TO15.m
Meth Date : 26-Sep-2011 15:24 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.219	9.219	(1.000)	490052	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.397	11.397	(1.000)	2267296	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.094	16.094	(1.000)	2076574	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.724	17.724	(1.101)	1600444	4.00000	4.060
	5 Chlorodifluoromethane	67	3.882	3.882	(0.421)	118602	2.00000	1.973
	6 Propene	41	3.893	3.893	(0.422)	433421	2.00000	1.730
	7 Dichlorodifluoromethane	85	3.947	3.947	(0.428)	1137567	2.00000	1.844
	8 Chloromethane	52	4.140	4.140	(0.449)	151442	2.00000	1.870
	9 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.450)	682430	2.00000	1.891
	10 Methanol	31	4.269	4.269	(0.463)	109365	2.00000	1.918
	11 ~ acetaldehyde	44	4.302	4.302	(0.467)	291414	10.1200	6.578
	12 Vinyl Chloride	62	4.323	4.323	(0.469)	450118	2.00000	1.756
	13 n-Butane	43	4.420	4.420	(0.479)	705963	2.00000	1.681
	14 1,3-Butadiene	54	4.415	4.415	(0.479)	331873	2.00000	1.730
	15 Bromomethane	94	4.759	4.759	(0.516)	350496	2.00000	2.002

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

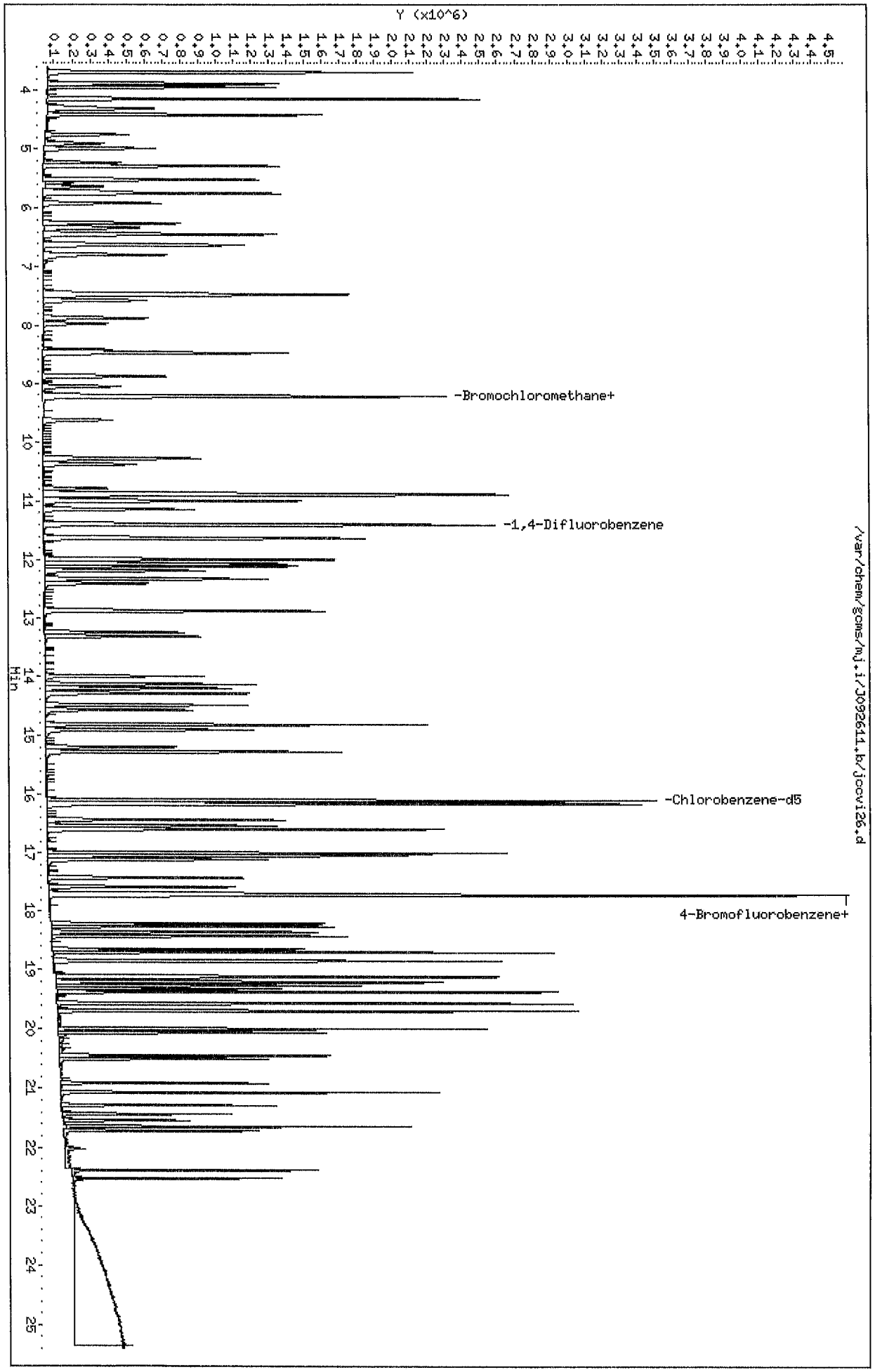
						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb(v/v))	(ppb(v/v))
16 Chloroethane	64	4.910	4.910	(0.533)	198687	2.00000	1.777
17 ~ ethanol	31	4.990	4.990	(0.541)	634512	10.4400	8.599
18 Vinyl Bromide	106	5.232	5.232	(0.568)	357784	2.00000	1.902
19 2-methyl butane	43	5.286	5.286	(0.573)	648557	2.00000	1.750
20 Trichlorofluoromethane	101	5.518	5.518	(0.599)	996380	2.00000	1.952
21 Acrolein	56	5.512	5.512	(0.598)	93877	2.00000	2.101
22 Acetonitrile	40	5.582	5.582	(0.606)	122072	2.00000	1.739
23 Acetone	58	5.630	5.630	(0.611)	138419	2.00000	1.906
24 Isopropyl alcohol	45	5.706	5.706	(0.619)	455777	2.00000	1.635
25 Pentane	72	5.749	5.749	(0.624)	63960	2.00000	1.841
26 Ethyl Ether	31	5.916	5.916	(0.642)	496216	2.00000	1.918
27 1,1-Dichloroethene	96	6.255	6.255	(0.678)	319419	2.00000	1.821
28 tert-butanol	59	6.324	6.324	(0.686)	541631	2.00000	1.622
29 Acrylonitrile	53	6.346	6.346	(0.688)	208318	2.00000	1.771
30 1,1,2-Trichlorotrifluoroethane	101	6.437	6.437	(0.698)	698210	2.00000	1.925
31 Methylene Chloride	84	6.610	6.610	(0.717)	309730	2.00000	1.771
32 3-Chloropropene	39	6.626	6.626	(0.719)	401186	2.00000	1.727
33 Carbon Disulfide	76	6.787	6.787	(0.736)	1141056	2.00000	1.838
34 trans-1,2-Dichloroethene	96	7.449	7.449	(0.808)	376792	2.00000	1.875
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.811)	1223622	2.00000	1.856
36 Methyl-t-Butyl Ether	73	7.572	7.572	(0.821)	625100	2.00000	1.810
37 1,1-Dichloroethane	63	7.879	7.879	(0.855)	754451	2.00000	1.806
38 Vinyl Acetate	43	7.976	7.976	(0.865)	719793	2.00000	1.799
39 2-Butanone	72	8.428	8.428	(0.914)	102374	2.00000	1.711
40 Hexane	56	8.482	8.482	(0.920)	388471	2.00000	1.707
41 cis 1,2-Dichloroethene	96	8.885	8.885	(0.964)	344810	2.00000	1.768
42 Ethyl acetate	43	9.057	9.057	(0.982)	627509	2.00000	1.722
43 Chloroform	83	9.229	9.229	(1.001)	718497	2.00000	1.755
44 Tetrahydrofuran	42	9.633	9.633	(1.045)	347722	2.00000	1.742
45 1,1,1-Trichloroethane	97	10.284	10.284	(1.116)	726883	2.00000	1.785
46 1,2-Dichloroethane	62	10.381	10.381	(0.911)	520155	2.00000	1.835
47 1-Butanol	31	10.789	10.789	(0.947)	156499	2.00000	1.444
48 Benzene	78	10.875	10.875	(0.954)	971309	2.00000	1.726
49 Cyclohexane	69	10.881	10.881	(0.955)	199896	2.00000	1.721
50 Carbon Tetrachloride	117	10.902	10.902	(0.957)	764799	2.00000	1.958
51 ~ 2,3-dimethylpentane	71	10.999	10.999	(0.965)	237074	2.06000	1.740
52 ~ Thiophene	84	11.139	11.139	(0.977)	586924	2.08000	1.852
53 2,2,4-trimethylpentane	57	11.629	11.629	(1.020)	2011718	2.00000	1.680
54 Heptane	71	11.994	11.994	(1.052)	351068	2.00000	1.700
55 1,2-Dichloropropane	63	12.070	12.070	(1.059)	388318	2.00000	1.828
56 Trichloroethene	130	12.107	12.107	(1.062)	488792	2.00000	1.834
180 ~ 2-nitropropane	43	11.994	11.994	(1.052)	889042	2.00000	
57 Dibromomethane	93	12.188	12.188	(1.069)	440116	2.00000	1.795
58 Bromodichloromethane	83	12.328	12.328	(1.082)	764304	2.00000	1.858
59 1,4-dioxane	88	12.328	12.328	(1.082)	98387	2.00000	1.704
60 Methyl Methacrylate	41	12.409	12.409	(1.089)	369845	2.00000	1.699
61 ~ methyl cyclohexane	83	12.877	12.877	(1.130)	621970	2.08000	1.773

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
62	4-Methyl-2-pentanone	43	13.248	13.248	(1.162)	685844	2.00000	1.632
63	cis-1,3-Dichloropropene	75	13.318	13.318	(1.169)	525516	2.00000	1.904
64	trans-1,3-Dichloropropene	75	14.001	14.001	(0.870)	512871	2.00000	1.939
65	Toluene	91	14.135	14.135	(0.878)	945888	2.00000	1.786
66	1,1,2-Trichloroethane	83	14.200	14.200	(0.882)	327148	2.00000	1.828
67	~ 2-methyl thiophene	97	14.291	14.291	(0.888)	872399	2.10000	1.926
68	~ 3-methyl thiophene	97	14.490	14.490	(0.900)	868643	2.08000	1.910
69	2-Hexanone	58	14.571	14.571	(0.905)	304955	2.00000	1.569
70	Octane	85	14.819	14.819	(0.921)	355047	2.00000	1.766
71	Dibromochloromethane	129	14.905	14.905	(0.926)	679612	2.00000	1.958
72	1,2-Dibromoethane	107	15.195	15.195	(0.944)	568426	2.00000	1.844
73	Tetrachloroethene	129	15.276	15.276	(0.949)	383109	2.00000	1.728
74	Chlorobenzene	112	16.142	16.142	(1.003)	770333	2.00000	1.803
75	~ 2,3-dimethylheptane	43	16.158	16.158	(1.004)	1541213	2.08000	1.861
76	Ethylbenzene	91	16.427	16.427	(1.021)	1067264	2.00000	1.768
77	~ 2-ethyl thiophene	97	16.529	16.529	(1.027)	920236	2.06000	1.899
78	m&p-Xylene	91	16.588	16.588	(1.031)	1638245	4.00000	3.535
79	Nonane	57	16.997	16.997	(1.056)	865860	2.00000	1.853
80	Bromoform	173	17.035	17.035	(1.058)	627105	2.00000	2.139
81	Styrene	104	17.051	17.051	(1.059)	599644	2.00000	1.774
82	o-Xylene	91	17.110	17.110	(1.063)	839344	2.00000	1.742
M 83	Xylene (total)	100				2477589	6.00000	5.277
84	1,1,2,2-Tetrachloroethane	83	17.422	17.422	(1.083)	661449	2.00000	1.702
85	1,2,3-Trichloropropane	110	17.584	17.584	(1.093)	148190	2.00000	1.686
86	Cumene	105	17.691	17.691	(1.099)	1079275	2.00000	1.725
87	n-Propylbenzene	120	18.218	18.218	(1.132)	282886	2.00000	1.731
88	2-chlorotoluene	126	18.261	18.261	(1.135)	309625	2.00000	1.809
89	4-Ethyltoluene	105	18.364	18.364	(1.141)	1004062	2.00000	1.671
90	1,3,5-Trimethylbenzene	120	18.434	18.434	(1.145)	458149	2.00000	1.684
91	Alpha-Methylstyrene	118	18.654	18.654	(1.159)	406613	2.00000	1.707
92	Decane	57	18.708	18.708	(1.162)	919400	2.00000	1.895
93	tert-butylbenzene	119	18.848	18.848	(1.171)	829473	2.00000	1.692
94	1,2,4-Trimethylbenzene	105	18.859	18.859	(1.172)	784908	2.00000	1.674
95	sec-butylbenzene	105	19.111	19.111	(1.188)	1169268	2.00000	1.734
96	1,3-Dichlorobenzene	146	19.128	19.128	(1.189)	631257	2.00000	1.762
97	Benzyl Chloride	91	19.198	19.198	(1.193)	747947	2.00000	1.716
98	1,4-Dichlorobenzene	146	19.214	19.214	(1.194)	609298	2.00000	1.736
99	p-Cymene	119	19.267	19.267	(1.197)	896772	2.00000	1.710
100	~ 1,2,3- Trimethylbenzene	105	19.321	19.321	(1.201)	671152	2.08000	1.728
101	~ n-butylcyclohexane	83	19.375	19.375	(1.204)	889676	2.06000	1.988
102	~ Indane	117	19.569	19.569	(1.216)	735524	2.06000	1.709
103	1,2-Dichlorobenzene	146	19.569	19.569	(1.216)	556986	2.00000	1.715
104	n-butylbenzene	91	19.692	19.692	(1.224)	897516	2.00000	1.682
105	~ Indene	116	19.692	19.692	(1.224)	560182	2.10000	1.729
106	Undecane	57	19.994	19.994	(1.242)	704758	2.00000	1.839
107	~ 1,2-dimethyl-4-ethylenzene	119	20.058	20.058	(1.246)	760117	2.06000	1.750
108	~ 1,2,4,5-tetramethylbenzene	119	20.440	20.440	(1.270)	731332	2.06000	1.804

Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Report Date: 26-Sep-2011 15:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.499	20.499	(1.274)	567403	2.10000	2.003
110 ~ 1,2,3,4-tetramethylbenzene	119	20.908	20.908	(1.299)	593560	2.04000	1.900
111 Dodecane	57	21.064	21.064	(1.309)	660417	2.00000	2.044
112 1,2,4-Trichlorobenzene	180	21.285	21.285	(1.323)	356776	2.00000	1.913
113 Napthalene	128	21.435	21.435	(1.332)	720200	2.00000	1.860
114 ~ benzo(b) thiophene	134	21.543	21.543	(1.339)	490809	2.04000	1.950
115 Hexachlorobutadiene	225	21.645	21.645	(1.345)	356939	2.00000	1.936
116 1,2,3-trichlorobenzene	180	21.715	21.715	(1.349)	300846	2.00000	1.921
117 ~ 2-Methylnaphthalene	142	22.393	22.393	(1.391)	451054	12.5000	12.48
118 ~ 1-Methylnaphthalene	142	22.533	22.533	(1.400)	357166	12.5000	11.36


Data File: /var/chem/gcms/mj.i/J092611.b/jccvi26.d
Date : 26-SEP-2011 09:20
Client ID: CCV/LCS
Sample Info: CCV,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J092611.b/jccvi26.d
Min

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 12 & KNOX-MS-0023, Rev 0

Analysis Date:	9/27/11	CCAL Batch/ Scan Name:	J092711	Instrument:	MJ	ICAL Batch/ Scan Name:	J082511I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓		□ failed for TO-14A, but passes for TO-15	✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis in logbook correct?		✓			✓
5. Was the CCAL compared to the correct ICAL (date & time on CCAL matches the ICAL)		✓			✓
6. Is the %D ≤ 30% for all target analytes? (Narrative req'd.).		✓		□ [ccal] analytes > 30% but passes LCS criteria.	✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	MA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				MA
10. Is the first IS documented correctly on the log?		✓			✓
11. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• tert-butylbenzene/p-cymene		✓			✓
• 1,2,4-trimethylbenzene/sec-butylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene		✓			✓
12. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). Note: Ohio does not allow for ME.		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected	✓
13. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				MA
14. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations.		✓			✓

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	Date: 9/27/11	2nd Level Reviewer :	Date: 9/28/11
Comments:		Comments:	

TestAmerica Laboratories, Inc. – Knoxville
CANISTER RUN LOG

GCMS Analysis: AIR

Analyst: ATB Qtims Batch: 1270166 (MMQ4T) (1AC) 1270167 (MMQ40) Inst: MJ

Date: 9/27/11 ICAL Batch: J082511I Target Batch: J092711 IS #1 Area: 403754

Surr/IS ID & Vol.: 40mL V425 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☑ Daily 1270168 (MMQ41) (1AP) 1270169 (MMQ4V)

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0901	✓	tune	JBFBI27	–	16	100	1	
0930	✓	ccv	CCV	CX2279	15			
0930	✓	LCJ	LCJ					
1024	✓	Blk	flush	–	16	500		
1117	✓		JBlkI27	–				
1216	RR 50mL	GII260404	MMPL91AC	L8197	1	11	11.55	weston
1305	✓		MA	L8180	2	15	1	
1354	✓		MC	L4154	3	20		
1443	✓	HII270409	MMQJ51AA	S1485	4	12		tol4naphthnj
1536	✓		J4	12268	5	200		
1629	✓		J3	93149	6			
1720	ERR	HII260402	MMPL5	6648	7	10		cpc needs DX1 RR10mL E v/c + chloroethane
1812	OK RR40		L2	12582	8	80	926.77	
1908	RR 200mL	HII260414	Q4	1518	9	506	2.53	wesco 2316.93
2000	clean	HII230466	MMN351A2	12484	10	90	1.79	meithnj CO2 9.94
2053			36	62359N	11	89	1.78	
2145			37	6607	12	95	1.89	9.95
2238	clean		38	12823	13	48	1.93	20.1
2330	✓	HII270404	MMQHT1AA	92017	14	75	5971.23	polyone 15923.3
0023	✓	HII270426	PF	93244	15	200	1	tol4nj
0116	Dup		PFD		15		1	
0207	✓	GII260404	MMPL9R	L8197	1	50	11.55	weston 46.2
0258	NRR	HII270426	MMQN91AA	6675	2	11	3.62	RR 40mL
0350	✓	HII270402	GN	0073	3	180	138.98	152.2
0441	✓		GP	92057	4	30	8.26	55.07
0533	✓		GQ	04396	5	72	7.2	
0630	✓	lot ✓	9471	6364	6	500	1	
0723	RR		9470	L4145	7	200		
0813	✓		9469	L47123	STD			

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: ATB Date: 9/28/11

Test America - Knoxville

Entech Autosampler Log

Position	Volume	Date	Time
16	100	9/27/2011	9:01
15	101	9/27/2011	9:30
16	500	9/27/2011	10:24
16	502	9/27/2011	11:17
1	11	9/27/2011	12:16
2	15	9/27/2011	13:05
3	20	9/27/2011	13:54
4	12	9/27/2011	14:43
5	202	9/27/2011	15:36
6	200	9/27/2011	16:29
7	10	9/27/2011	17:20
8	81	9/27/2011	18:12
9	507	9/27/2011	19:08
10	91	9/27/2011	19:59
11	91	9/27/2011	20:53
12	96	9/27/2011	21:45
13	49	9/27/2011	22:38
14	75	9/27/2011	23:30
15	200	9/28/2011	0:23
15	200	9/28/2011	1:16
1	50	9/28/2011	2:07
2	11	9/28/2011	2:58
3	181	9/28/2011	3:50
4	31	9/28/2011	4:41
5	72	9/28/2011	5:33
6	500	9/28/2011	6:30

Position	Volume		Date	Time
7	200		9/28/2011	7:23
16	0	200(Std)	9/28/2011	8:13

Data File: /chem/gcms/mj.i/J092711.b/jbfbi27.d

Date : 27-SEP-2011 09:01

Client ID: BFB

Instrument: mj.i

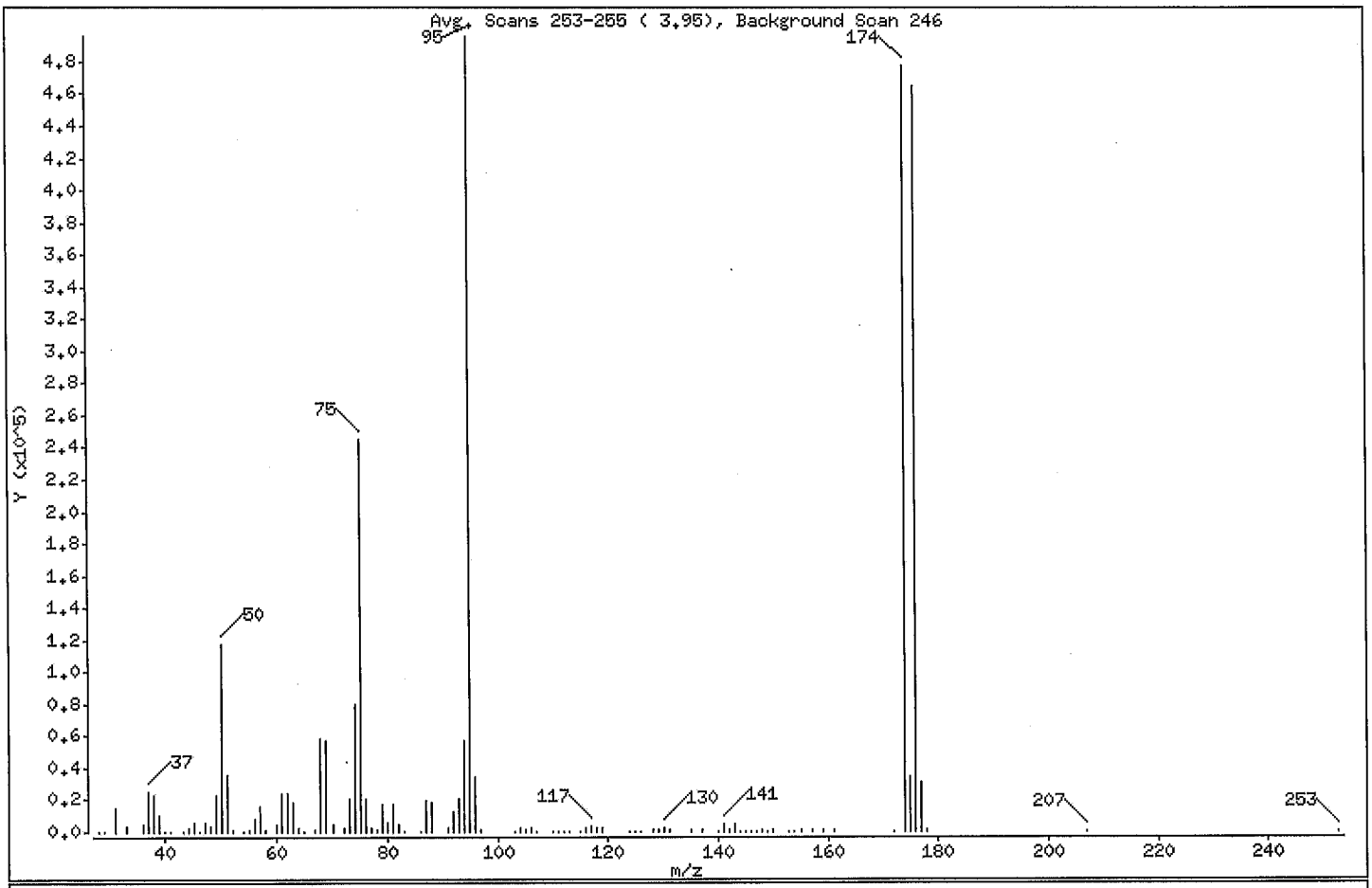
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.71
75	30.00 - 60.00% of mass 95	49.35
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	96.25
175	5.00 - 9.00% of mass 174	6.87 (7.14)
176	95.00 - 101.00% of mass 174	93.80 (97.46)
177	5.00 - 9.00% of mass 176	6.20 (6.61)

Data File: /chem/gcms/mj.i/J092711.b/jbfbi27.d

Date : 27-SEP-2011 09:01

Client ID: BFB

Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32

Data File: jbfbi27.d
Spectrum: Avg. Scans 253-255 (3.95), Background Scan 246
Location of Maximum: 95.00
Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	31	62.00	23912	95.00	495808	141.00	5006
29.00	124	63.00	18184	96.00	34760	142.00	645
31.00	15086	64.00	1736	97.00	1108	143.00	5000
33.00	2991	65.00	136	103.00	110	144.00	136
36.00	4532	67.00	1334	104.00	2359	145.00	469
37.00	25176	68.00	58152	105.00	782	146.00	565
38.00	22600	69.00	57032	106.00	2193	147.00	253
39.00	9694	70.00	4169	107.00	567	148.00	1196
40.00	322	72.00	2178	110.00	246	149.00	397
41.00	209	73.00	20232	111.00	345	150.00	596
43.00	423	74.00	80344	112.00	113	153.00	413
44.00	2186	75.00	244672	113.00	432	154.00	254
45.00	5262	76.00	21064	115.00	543	155.00	1318
46.00	374	77.00	2763	116.00	1978	157.00	963
47.00	5804	78.00	1583	117.00	2958	159.00	623
48.00	2989	79.00	16856	118.00	1901	161.00	629
49.00	23128	80.00	5243	119.00	2432	172.00	393
50.00	117536	81.00	17512	124.00	266	174.00	477184
51.00	34800	82.00	4114	125.00	102	175.00	34072
52.00	1666	83.00	468	126.00	104	176.00	465088
54.00	208	86.00	395	128.00	1614	177.00	30760
55.00	1569	87.00	19560	129.00	851	178.00	808
56.00	8049	88.00	18688	130.00	1900	207.00	106
57.00	15999	91.00	1905	131.00	706	253.00	100
58.00	645	92.00	13058	135.00	911		
60.00	4460	93.00	20800	137.00	833		
61.00	23480	94.00	56776	140.00	371		

Data File: /chem/gcms/mj.i/J092711.b/jbfbi27.d

Date : 27-SEP-2011 09:01

Client ID: BFB

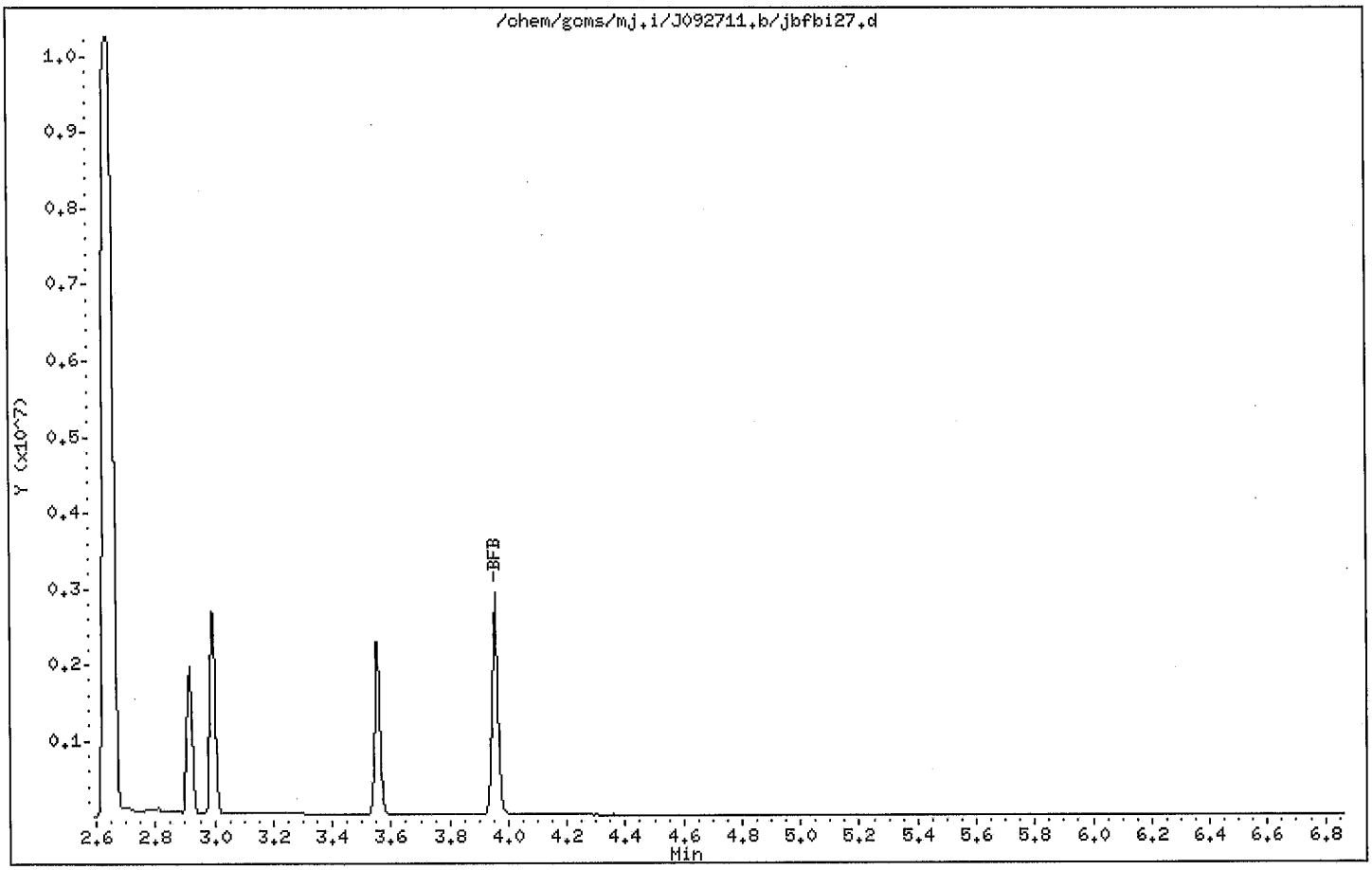
Instrument: mj.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: Rtx-5

Column diameter: 0.32



Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi27.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092711.b/TO15.m

Injection Date: 27-SEP-2011 09:30
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 4-Bromofluorobenzene	0.75925	0.77075	0.000	-1.51384	30.00000	Averaged
5 Chlorodifluoromethane	0.49057	0.50271	0.000	-2.47338	30.00000	Averaged
6 Propene	2.04513	1.95527	0.000	4.39386	30.00000	Averaged
7 Dichlorodifluoromethane	5.03530	4.91012	0.000	2.48602	30.00000	Averaged
8 Chloromethane	0.66089	0.68364	0.000	-3.44217	30.00000	Averaged
9 1,2-Dichlorotetrafluoroetha	2.94554	2.88429	0.000	2.07952	30.00000	Averaged
10 Methanol	0.46543	0.54536	0.000	-17.17356	30.00000	Averaged
11 ~ acetaldehyde	0.36162	0.30730	0.000	15.02102	30.00000	Averaged
12 Vinyl Chloride	2.09280	2.04258	0.000	2.39974	30.00000	Averaged
13 n-Butane	3.42831	3.37807	0.000	1.46529	30.00000	Averaged
14 1,3-Butadiene	1.56599	1.52274	0.000	2.76215	30.00000	Averaged
15 Bromomethane	1.42910	1.49100	0.000	-4.33104	30.00000	Averaged
16 Chloroethane	0.91279	0.84910	0.000	6.97753	30.00000	Averaged
17 ~ ethanol	0.60227	0.54850	0.000	8.92811	30.00000	Averaged
18 Vinyl Bromide	1.53549	1.48205	0.000	3.47981	30.00000	Averaged
19 2-methyl butane	3.02498	2.77433	0.000	8.28619	30.00000	Averaged
20 Trichlorofluoromethane	4.16522	4.17609	0.000	-0.26100	30.00000	Averaged
21 Acrolein	0.36472	0.38893	0.000	-6.63698	30.00000	Averaged
22 Acetonitrile	0.57293	0.49521	0.000	13.56578	30.00000	Averaged
23 Acetone	0.59270	0.55396	0.000	6.53510	30.00000	Averaged
24 Isopropyl alcohol	2.27590	1.99953	0.000	12.14304	30.00000	Averaged
25 Pentane	0.28351	0.27190	0.000	4.09466	30.00000	Averaged
26 Ethyl Ether	2.11136	2.03756	0.000	3.49545	30.00000	Averaged
27 1,1-Dichloroethene	1.43179	1.30653	0.000	8.74842	30.00000	Averaged
28 tert-butanol	2.72616	2.36819	0.000	13.13087	30.00000	Averaged
29 Acrylonitrile	0.96018	0.83025	0.000	13.53146	30.00000	Averaged
30 1,1,2-Trichlorotrifluoroeth	2.96115	2.91820	0.000	1.45057	30.00000	Averaged
31 Methylene Chloride	1.42758	1.30210	0.000	8.79003	30.00000	Averaged
32 3-Chloropropene	1.89647	1.71706	0.000	9.46019	30.00000	Averaged
33 Carbon Disulfide	5.06815	4.75680	0.000	6.14322	30.00000	Averaged
34 trans-1,2-Dichloroethene	1.64024	1.53490	0.000	6.42225	30.00000	Averaged
35 ~ 2-Methyl Pentane	5.38049	5.09358	0.000	5.33240	30.00000	Averaged
36 Methyl-t-Butyl Ether	2.81920	2.49205	0.000	11.60429	30.00000	Averaged
37 1,1-Dichloroethane	3.41071	3.16766	0.000	7.12593	30.00000	Averaged
38 Vinyl Acetate	3.26534	2.86891	0.000	12.14052	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi27.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092711.b/TO15.m

Injection Date: 27-SEP-2011 09:30
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
39 2-Butanone	0.48833	0.41553	0.000	14.90794	30.00000	Averaged
40 Hexane	1.85779	1.61212	0.000	13.22334	30.00000	Averaged
41 cis 1,2-Dichloroethene	1.59162	1.43778	0.000	9.66559	30.00000	Averaged
42 Ethyl acetate	2.97501	2.47224	0.000	16.89995	30.00000	Averaged
43 Chloroform	3.34173	3.01949	0.000	9.64270	30.00000	Averaged
44 Tetrahydrofuran	1.62933	1.39399	0.000	14.44353	30.00000	Averaged
45 1,1,1-Trichloroethane	3.32384	3.00096	0.000	9.71413	30.00000	Averaged
46 1,2-Dichloroethane	0.50008	0.45996	0.000	8.02353	30.00000	Averaged
47 1-Butanol	0.19114	0.13928	0.000	27.12994	30.00000	Averaged
48 Benzene	0.99250	0.84799	0.000	14.56065	30.00000	Averaged
49 Cyclohexane	0.20492	0.16973	0.000	17.17282	30.00000	Averaged
50 Carbon Tetrachloride	0.68894	0.65156	0.000	5.42564	30.00000	Averaged
51 ~ 2,3-dimethylpentane	0.24041	0.20334	0.000	15.41943	30.00000	Averaged
52 ~ Thiophene	0.55906	0.49112	0.000	12.15215	30.00000	Averaged
53 2,2,4-trimethylpentane	2.11318	1.79077	0.000	15.25720	30.00000	Averaged
54 Heptane	0.36437	0.30327	0.000	16.76831	30.00000	Averaged
55 1,2-Dichloropropane	0.37472	0.34612	0.000	7.63212	30.00000	Averaged
56 Trichloroethene	0.47013	0.36272	0.000	22.84543	30.00000	Averaged
180 ~ 2-nitropropane	++++	0.77569	0.000	++++	30.00000	Averaged <-MT
57 Dibromomethane	0.43261	0.37792	0.000	12.64297	30.00000	Averaged
58 Bromodichloromethane	0.72572	0.66437	0.000	8.45407	30.00000	Averaged
59 1,4-dioxane	0.10184	0.08913	0.000	12.48727	30.00000	Averaged
60 Methyl Methacrylate	0.38410	0.30153	0.000	21.49702	30.00000	Averaged
61 ~ methyl cyclohexane	0.61885	0.51771	0.000	16.34290	30.00000	Averaged
62 4-Methyl-2-pentanone	0.74122	0.59549	0.000	19.66096	30.00000	Averaged
63 cis-1,3-Dichloropropene	0.48695	0.46033	0.000	5.46741	30.00000	Averaged
64 trans-1,3-Dichloropropene	0.50941	0.46709	0.000	8.30690	30.00000	Averaged
65 Toluene	1.02036	0.86759	0.000	14.97239	30.00000	Averaged
66 1,1,2-Trichloroethane	0.34481	0.30890	0.000	10.41530	30.00000	Averaged
67 ~ 2-methyl thiophene	0.87256	0.76777	0.000	12.00920	30.00000	Averaged
68 ~ 3-methyl thiophene	0.87577	0.77232	0.000	11.81241	30.00000	Averaged
69 2-Hexanone	0.37448	0.28760	0.000	23.19953	30.00000	Averaged
70 Octane	0.38717	0.33483	0.000	13.51811	30.00000	Averaged
71 Dibromochloromethane	0.66854	0.63080	0.000	5.64418	30.00000	Averaged
72 1,2-Dibromoethane	0.59375	0.52874	0.000	10.95017	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi27.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092711.b/TO15.m

Injection Date: 27-SEP-2011 09:30
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
73 Tetrachloroethene	0.42694	0.35200	0.000	17.55240	30.00000	Averaged
74 Chlorobenzene	0.82303	0.70621	0.000	14.19425	30.00000	Averaged
75 ~ 2,3-dimethylheptane	1.59545	1.45737	0.000	8.65471	30.00000	Averaged
76 Ethylbenzene	1.16255	0.96536	0.000	16.96162	30.00000	Averaged
77 ~ 2-ethyl thiophene	0.93321	0.81245	0.000	12.94007	30.00000	Averaged
78 m&p-Xylene	0.89266	0.73515	0.000	17.64481	30.00000	Averaged
79 Nonane	0.90004	0.83068	0.000	7.70549	30.00000	Averaged
80 Bromoform	0.56474	0.57258	0.000	-1.38890	30.00000	Averaged
81 Styrene	0.65113	0.54789	0.000	15.85540	30.00000	Averaged
82 o-Xylene	0.92837	0.75027	0.000	19.18377	30.00000	Averaged
M 83 Xylene (total)	0.90456	0.74019	0.000	18.17130	30.00000	Averaged
84 1,1,2,2-Tetrachloroethane	0.74848	0.63212	0.000	15.54653	30.00000	Averaged
85 1,2,3-Trichloropropane	0.16934	0.13473	0.000	20.43937	30.00000	Averaged
86 Cumene	1.20507	0.98569	0.000	18.20467	30.00000	Averaged
87 n-Propylbenzene	0.31476	0.25219	0.000	19.87982	30.00000	Averaged
88 2-chlorotoluene	0.32960	0.28608	0.000	13.20552	30.00000	Averaged
89 4-Ethyltoluene	1.15748	0.89850	0.000	22.37521	30.00000	Averaged
90 1,3,5-Trimethylbenzene	0.52408	0.40999	0.000	21.76814	30.00000	Averaged
91 Alpha-Methylstyrene	0.45891	0.36307	0.000	20.88299	30.00000	Averaged
92 Decane	0.93471	0.88353	0.000	5.47572	30.00000	Averaged
93 tert-butylbenzene	0.94432	0.75356	0.000	20.20063	30.00000	Averaged
94 1,2,4-Trimethylbenzene	0.90340	0.70574	0.000	21.88013	30.00000	Averaged
95 sec-butylbenzene	1.29873	1.05635	0.000	18.66253	30.00000	Averaged
96 1,3-Dichlorobenzene	0.69027	0.56355	0.000	18.35772	30.00000	Averaged
97 Benzyl Chloride	0.83948	0.64408	0.000	23.27701	30.00000	Averaged
98 1,4-Dichlorobenzene	0.67600	0.54106	0.000	19.96090	30.00000	Averaged
99 p-Cymene	1.01007	0.79571	0.000	21.22173	30.00000	Averaged
100 ~ 1,2,3- Trimethylbenzene	0.74827	0.57533	0.000	23.11174	30.00000	Averaged
101 ~ n-butylcyclohexane	0.86210	0.82014	0.000	4.86790	30.00000	Averaged
102 ~ Indane	0.82906	0.63496	0.000	23.41189	30.00000	Averaged
103 1,2-Dichlorobenzene	0.62549	0.50258	0.000	19.64928	30.00000	Averaged
104 n-butylbenzene	1.02775	0.80395	0.000	21.77517	30.00000	Averaged
105 ~ Indene	0.62420	0.46690	0.000	25.20020	30.00000	Averaged
106 Undecane	0.73834	0.62185	0.000	15.77664	30.00000	Averaged
107 ~ 1,2-dimethyl-4-ethylenzen	0.83672	0.65957	0.000	21.17246	30.00000	Averaged
108 ~ 1,2,4,5-tetramethylbenzen	0.78110	0.62554	0.000	19.91527	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mj.i
Lab File ID: jccvi27.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/mj.i/J092711.b/TO15.m

Injection Date: 27-SEP-2011 09:30
Init. Cal. Date(s): 25-AUG-2011 26-AUG-2011
Init. Cal. Times: 18:41 11:05
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
109 ~ 1,2,3,5-tetramethylbenzen	0.54553	0.47669	0.000	12.61950	30.00000	Averaged
110 ~ 1,2,3,4-tetramethylbenzen	0.60187	0.50813	0.000	15.57504	30.00000	Averaged
111 Dodecane	0.62229	0.58756	0.000	5.58042	30.00000	Averaged
112 1,2,4-Trichlorobenzene	0.35923	0.30240	0.000	15.82126	30.00000	Averaged
113 Napthalene	0.74563	0.61162	0.000	17.97305	30.00000	Averaged
114 ~ benzo(b) thiophene	0.48491	0.39644	0.000	18.24569	30.00000	Averaged
115 Hexachlorobutadiene	0.35521	0.32107	0.000	9.61251	30.00000	Averaged
116 1,2,3-trichlorobenzene	0.30170	0.24481	0.000	18.85675	30.00000	Averaged
117 ~ 2-Methylnaphthalene	0.06963	0.05936	0.000	14.75005	30.00000	Averaged
118 ~ 1-Methylnaphthalene	0.06059	0.04756	0.000	21.49660	30.00000	Averaged

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Lab Smp Id: CCV Client Smp ID: CCV/LCS
Inj Date : 27-SEP-2011 09:30
Operator : 7126 Inst ID: mj.i
Smp Info : CCV,,2,6,,CCV/LCS
Misc Info : J092711,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 27-Sep-2011 10:36 tajh Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	9.217	9.217	(1.000)	403754	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.396	11.396	(1.000)	1919659	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.092	16.092	(1.000)	1768604	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.722	17.722	(1.101)	1363146	4.00000	4.060
	5 Chlorodifluoromethane	67	3.876	3.876	(0.420)	101485	2.00000	2.049
	6 Propene	41	3.886	3.886	(0.422)	394725	2.00000	1.912
	7 Dichlorodifluoromethane	85	3.946	3.946	(0.428)	991242	2.00000	1.950
	8 Chloromethane	52	4.139	4.139	(0.449)	138010	2.00000	2.069
	9 1,2-Dichlorotetrafluoroethane	135	4.145	4.145	(0.450)	582273	2.00000	1.958
	10 Methanol	31	4.274	4.274	(0.464)	110096	2.00000	2.343
	11 ~ acetaldehyde	44	4.301	4.301	(0.467)	313906	10.1200	8.600
	12 Vinyl Chloride	62	4.322	4.322	(0.469)	412349	2.00000	1.952
	13 n-Butane	43	4.419	4.419	(0.479)	681956	2.00000	1.971
	14 1,3-Butadiene	54	4.414	4.414	(0.479)	307406	2.00000	1.945
	15 Bromomethane	94	4.758	4.758	(0.516)	300999	2.00000	2.087

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
16	Chloroethane	64	4.909	4.909	(0.533)	171413	2.00000	1.860
17	~ ethanol	31	4.995	4.995	(0.542)	578006	10.4400	9.508
18	Vinyl Bromide	106	5.231	5.231	(0.568)	299193	2.00000	1.930
19	2-methyl butane	43	5.285	5.285	(0.573)	560073	2.00000	1.834
20	Trichlorofluoromethane	101	5.516	5.516	(0.598)	843058	2.00000	2.005
21	Acrolein	56	5.516	5.516	(0.598)	78516	2.00000	2.133
22	Acetonitrile	40	5.581	5.581	(0.605)	99971	2.00000	1.729
23	Acetone	58	5.635	5.635	(0.611)	111832	2.00000	1.869
24	Isopropyl alcohol	45	5.710	5.710	(0.619)	403660	2.00000	1.757
25	Pentane	72	5.748	5.748	(0.624)	54891	2.00000	1.918
26	Ethyl Ether	31	5.914	5.914	(0.642)	411336	2.00000	1.930
27	1,1-Dichloroethene	96	6.253	6.253	(0.678)	263759	2.00000	1.825
28	tert-butanol	59	6.323	6.323	(0.686)	478085	2.00000	1.737
29	Acrylonitrile	53	6.345	6.345	(0.688)	167609	2.00000	1.729
30	1,1,2-Trichlorotrifluoroethane	101	6.442	6.442	(0.699)	589118	2.00000	1.971
31	Methylene Chloride	84	6.608	6.608	(0.717)	262864	2.00000	1.824
32	3-Chloropropene	39	6.630	6.630	(0.719)	346636	2.00000	1.811
33	Carbon Disulfide	76	6.786	6.786	(0.736)	960291	2.00000	1.877
34	trans-1,2-Dichloroethene	96	7.448	7.448	(0.808)	309861	2.00000	1.872
35	~ 2-Methyl Pentane	43	7.474	7.474	(0.811)	1028278	2.00000	1.893
36	Methyl-t-Butyl Ether	73	7.571	7.571	(0.821)	503088	2.00000	1.768
37	1,1-Dichloroethane	63	7.878	7.878	(0.855)	639479	2.00000	1.857
38	Vinyl Acetate	43	7.975	7.975	(0.865)	579168	2.00000	1.757
39	2-Butanone	72	8.427	8.427	(0.914)	83886	2.00000	1.702
40	Hexane	56	8.480	8.480	(0.920)	325451	2.00000	1.736
41	cis 1,2-Dichloroethene	96	8.884	8.884	(0.964)	290254	2.00000	1.807
42	Ethyl acetate	43	9.056	9.056	(0.982)	499088	2.00000	1.662
43	Chloroform	83	9.234	9.234	(1.002)	609567	2.00000	1.807
44	Tetrahydrofuran	42	9.632	9.632	(1.045)	281416	2.00000	1.711
45	1,1,1-Trichloroethane	97	10.283	10.283	(1.116)	605825	2.00000	1.806
46	1,2-Dichloroethane	62	10.379	10.379	(0.911)	441482	2.00000	1.840
47	1-Butanol	31	10.788	10.788	(0.947)	133687	2.00000	1.457
48	Benzene	78	10.874	10.874	(0.954)	813925	2.00000	1.709
49	Cyclohexane	69	10.880	10.880	(0.955)	162913	2.00000	1.656
50	Carbon Tetrachloride	117	10.896	10.896	(0.956)	625386	2.00000	1.891
51	~ 2,3-dimethylpentane	71	10.993	10.993	(0.965)	201023	2.06000	1.742
52	~ Thiophene	84	11.143	11.143	(0.978)	490247	2.08000	1.827
53	2,2,4-trimethylpentane	57	11.627	11.627	(1.020)	1718834	2.00000	1.695
54	Heptane	71	11.993	11.993	(1.052)	291090	2.00000	1.665
55	1,2-Dichloropropane	63	12.069	12.069	(1.059)	332219	2.00000	1.847
56	Trichloroethene	130	12.106	12.106	(1.062)	348153	2.00000	1.543
180	~ 2-nitropropane	43	11.993	11.993	(1.052)	744529	2.00000	
57	Dibromomethane	93	12.187	12.187	(1.069)	362737	2.00000	1.747
58	Bromodichloromethane	83	12.327	12.327	(1.082)	637678	2.00000	1.831
59	1,4-dioxane	88	12.332	12.332	(1.082)	85544	2.00000	1.750
60	Methyl Methacrylate	41	12.407	12.407	(1.089)	289416	2.00000	1.570
61	~ methyl cyclohexane	83	12.881	12.881	(1.130)	516792	2.08000	1.740

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

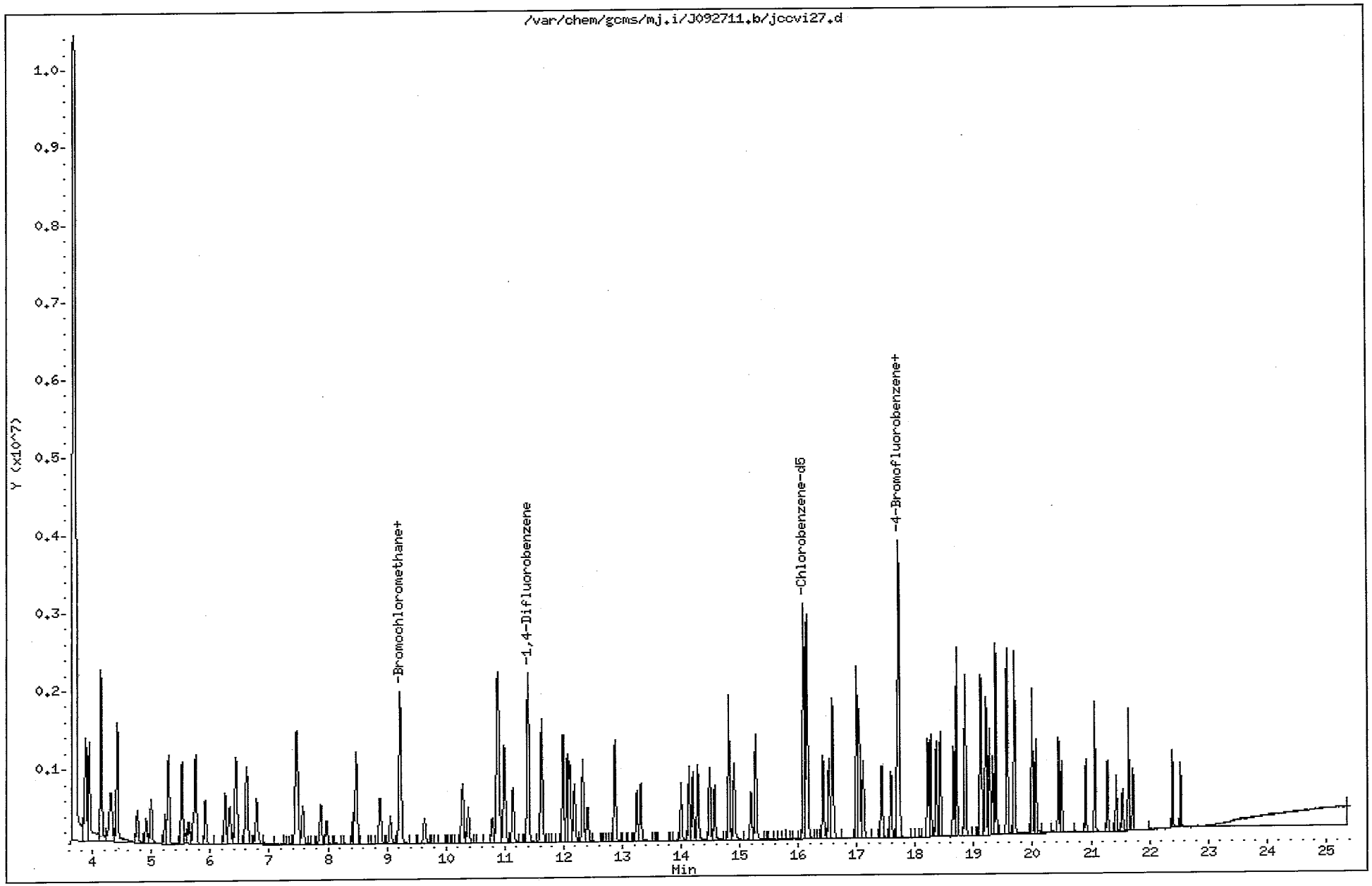
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
	62 4-Methyl-2-pentanone	43	13.247	13.247	(1.162)	571568	2.00000	1.607
	63 cis-1,3-Dichloropropene	75	13.317	13.317	(1.169)	441837	2.00000	1.891
	64 trans-1,3-Dichloropropene	75	14.000	14.000	(0.870)	413050	2.00000	1.834
	65 Toluene	91	14.134	14.134	(0.878)	767212	2.00000	1.700
	66 1,1,2-Trichloroethane	83	14.204	14.204	(0.883)	273161	2.00000	1.792
	67 ~ 2-methyl thiophene	97	14.285	14.285	(0.888)	712886	2.10000	1.848
	68 ~ 3-methyl thiophene	97	14.489	14.489	(0.900)	710287	2.08000	1.834
	69 2-Hexanone	58	14.570	14.570	(0.905)	254328	2.00000	1.536
	70 Octane	85	14.812	14.812	(0.920)	296091	2.00000	1.730
	71 Dibromochloromethane	129	14.904	14.904	(0.926)	557819	2.00000	1.887
	72 1,2-Dibromoethane	107	15.194	15.194	(0.944)	467563	2.00000	1.781
	73 Tetrachloroethene	129	15.275	15.275	(0.949)	311277	2.00000	1.649
	74 Chlorobenzene	112	16.141	16.141	(1.003)	624501	2.00000	1.716
	75 ~ 2,3-dimethylheptane	43	16.157	16.157	(1.004)	1340306	2.08000	1.900
	76 Ethylbenzene	91	16.426	16.426	(1.021)	853673	2.00000	1.661
	77 ~ 2-ethyl thiophene	97	16.528	16.528	(1.027)	740006	2.06000	1.793
	78 m&p-Xylene	91	16.587	16.587	(1.031)	1300197	4.00000	3.294
	79 Nonane	57	16.996	16.996	(1.056)	734575	2.00000	1.846
	80 Bromoform	173	17.034	17.034	(1.058)	506337	2.00000	2.028
	81 Styrene	104	17.050	17.050	(1.060)	484498	2.00000	1.683
	82 o-Xylene	91	17.109	17.109	(1.063)	663467	2.00000	1.616
M	83 Xylene (total)	100				1963665	6.00000	4.910
	84 1,1,2,2-Tetrachloroethane	83	17.421	17.421	(1.083)	558985	2.00000	1.689
	85 1,2,3-Trichloropropane	110	17.583	17.583	(1.093)	119139	2.00000	1.591
	86 Cumene	105	17.690	17.690	(1.099)	871648	2.00000	1.636
	87 n-Propylbenzene	120	18.212	18.212	(1.132)	223011	2.00000	1.602
	88 2-chlorotoluene	126	18.260	18.260	(1.135)	252979	2.00000	1.736
	89 4-Ethyltoluene	105	18.357	18.357	(1.141)	794541	2.00000	1.552
	90 1,3,5-Trimethylbenzene	120	18.432	18.432	(1.145)	362559	2.00000	1.565
	91 Alpha-Methylstyrene	118	18.653	18.653	(1.159)	321068	2.00000	1.582
	92 Decane	57	18.707	18.707	(1.162)	781307	2.00000	1.890
	93 tert-butylbenzene	119	18.847	18.847	(1.171)	666376	2.00000	1.596
	94 1,2,4-Trimethylbenzene	105	18.857	18.857	(1.172)	624084	2.00000	1.562
	95 sec-butylbenzene	105	19.110	19.110	(1.188)	934136	2.00000	1.627
	96 1,3-Dichlorobenzene	146	19.126	19.126	(1.189)	498349	2.00000	1.633
	97 Benzyl Chloride	91	19.196	19.196	(1.193)	569557	2.00000	1.534
	98 1,4-Dichlorobenzene	146	19.212	19.212	(1.194)	478465	2.00000	1.601
	99 p-Cymene	119	19.266	19.266	(1.197)	703651	2.00000	1.576
	100 ~ 1,2,3- Trimethylbenzene	105	19.320	19.320	(1.201)	529115	2.08000	1.599
	101 ~ n-butylcyclohexane	83	19.374	19.374	(1.204)	747007	2.06000	1.960
	102 ~ Indane	117	19.568	19.568	(1.216)	578340	2.06000	1.578
	103 1,2-Dichlorobenzene	146	19.568	19.568	(1.216)	444436	2.00000	1.607
	104 n-butylbenzene	91	19.691	19.691	(1.224)	710939	2.00000	1.564
	105 ~ Indene	116	19.691	19.691	(1.224)	433521	2.10000	1.571
	106 Undecane	57	19.993	19.993	(1.242)	549907	2.00000	1.684
	107 ~ 1,2-dimethyl-4-ethylenzene	119	20.057	20.057	(1.246)	600755	2.06000	1.624
	108 ~ 1,2,4,5-tetramethylbenzene	119	20.439	20.439	(1.270)	569763	2.06000	1.650

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Report Date: 27-Sep-2011 10:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
109 ~ 1,2,3,5-tetramethylbenzene	119	20.498	20.498	(1.274)	442614	2.10000	1.835
110 ~ 1,2,3,4-tetramethylbenzene	119	20.907	20.907	(1.299)	458329	2.04000	1.722
111 Dodecane	57	21.063	21.063	(1.309)	519583	2.00000	1.888
112 1,2,4-Trichlorobenzene	180	21.284	21.284	(1.323)	267408	2.00000	1.684
113 Napthalene	128	21.429	21.429	(1.332)	540854	2.00000	1.640
114 ~ benzo(b) thiophene	134	21.536	21.536	(1.338)	357582	2.04000	1.668
115 Hexachlorobutadiene	225	21.644	21.644	(1.345)	283921	2.00000	1.808
116 1,2,3-trichlorobenzene	180	21.714	21.714	(1.349)	216488	2.00000	1.623
117 ~ 2-Methylnaphthalene	142	22.392	22.392	(1.391)	328078	12.5000	10.66
118 ~ 1-Methylnaphthalene	142	22.532	22.532	(1.400)	262873	12.5000	9.813

Data File: /var/chem/gcms/mj.i/J092711.b/jccvi27.d
Date : 27-SEP-2011 09:30
Client ID: CCV/LCS
Sample Info: CCV,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5

Instrument: mj.i
Operator: 7126
Column diameter: 0.32



Raw QC Data

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H1I260000 - 182B **Work Order #** MMP711AA **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011
Prep Batch #.....:	1269182		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
Chloromethane	ND	0.20	ND	0.41
Vinyl chloride	ND	0.080	ND	0.20
Bromomethane	ND	0.080	ND	0.31
Chloroethane	ND	0.080	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1-Dichloroethene	ND	0.080	ND	0.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.080	ND	0.61
Methylene chloride	ND	0.20	ND	0.69
1,1-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
Chloroform	ND	0.080	ND	0.39
1,1,1-Trichloroethane	ND	0.080	ND	0.44
Carbon tetrachloride	ND	0.080	ND	0.50
Benzene	ND	0.080	ND	0.26
1,2-Dichloroethane	ND	0.080	ND	0.32
Trichloroethene	ND	0.040	ND	0.21
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Toluene	ND	0.080	ND	0.30
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Tetrachloroethene	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
Chlorobenzene	ND	0.080	ND	0.37
Ethylbenzene	ND	0.080	ND	0.35
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichlorobenzene	ND	0.080	ND	0.48
Benzyl chloride	ND	0.16	ND	0.83

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H1I260000 - 182B **Work Order #** MMP711AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
Hexachlorobutadiene	ND	0.080	ND	0.85

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092611.b/9467.d
Report Date: 26-Sep-2011 17:13

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092611.b/9467.d
Lab Smp Id: MMP711AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 26-SEP-2011 10:21
Operator : 7126 Inst ID: mj.i
Smp Info : MMP711AA,,0,,,CAN 6957
Misc Info : J092611,TO15,blkchklowny.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092611.b/TO15.m
Meth Date : 26-Sep-2011 17:00 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 14 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.215	9.219	(1.000)	508923	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.394	11.397	(1.000)	2446942	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.096	16.094	(1.000)	2035193	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.720	17.724	(1.101)	1500360	3.88386	3.884

Data File: /var/chem/gcms/mj.i/J092611.b/9467.d
Report Date: 26-Sep-2011 17:13

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: 9467.d
Lab Smp Id: MMP711AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,blkchklowny.sub,,,

Calibration Date: 26-SEP-2011
Calibration Time: 09:20
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	490052	291581	688523	508923	3.85
2 1,4-Difluorobenze	2267296	1349041	3185551	2446942	7.92
3 Chlorobenzene-d5	2076574	1235562	2917586	2035193	-1.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	-0.03
2 1,4-Difluorobenze	11.40	11.07	11.73	11.39	-0.03
3 Chlorobenzene-d5	16.09	15.76	16.42	16.10	0.01

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092611.b/9467.d
Report Date: 26-Sep-2011 17:13

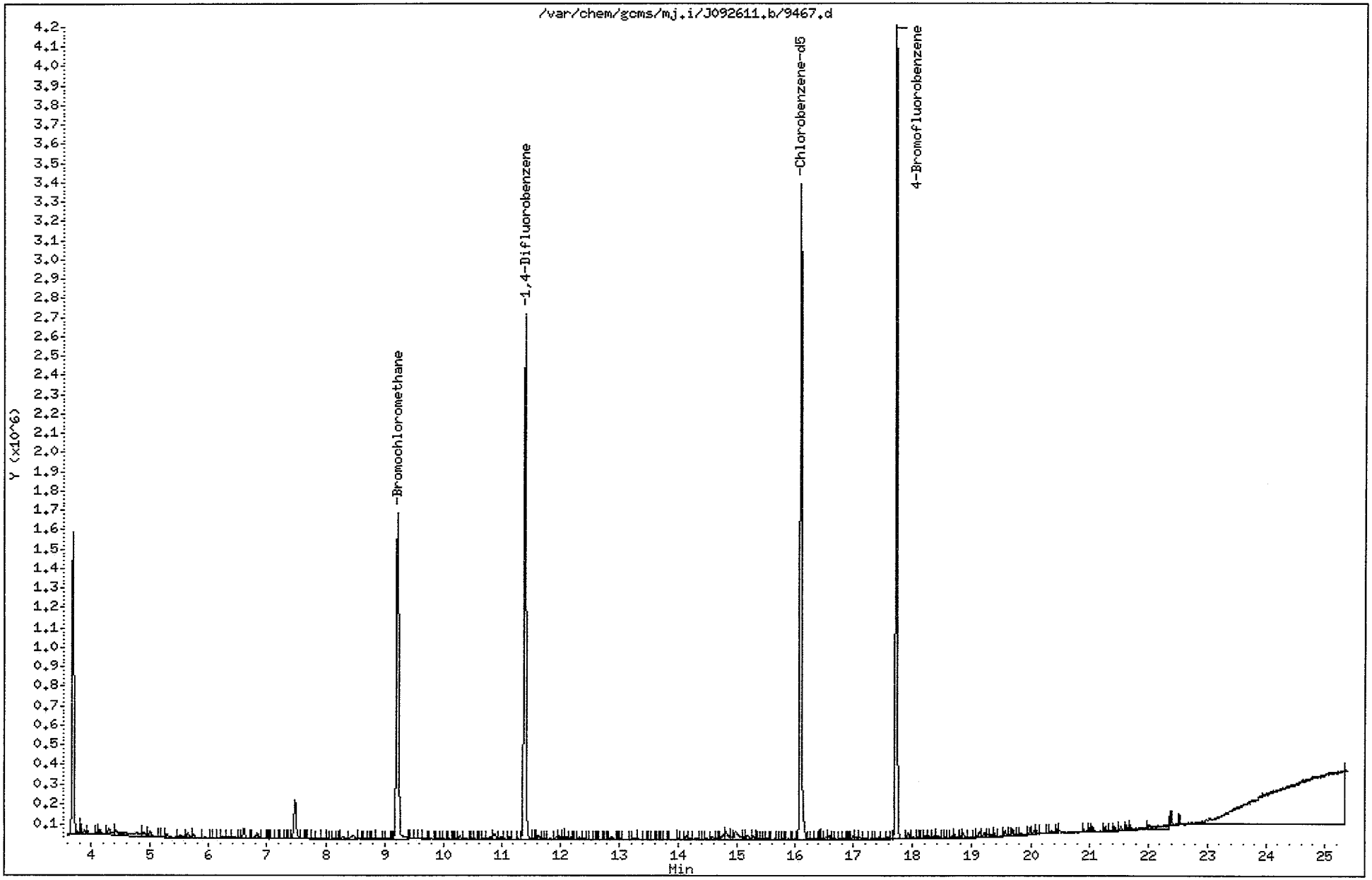
TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MMP711AA
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: meritnj.sub
Client SDG: H1I260000
Fraction: OTHER
Client Smp ID: INTRA-LAB BLANK
Operator: 7126
SampleType: METHOD BLANK
Quant Type: ISTD
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,blkchklowny.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.884	97.10	70-130

Data File: /var/chem/gcms/mj.i/J092611.b/9467.d
Date : 26-SEP-2011 10:21
Client ID: INTRA-LAB BLANK
Instrument: mj.i
Sample Info: MMP711AA,,0,,,CAN 6957
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I260000 - 182C **Work Order #** MMP711AC **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011
Prep Batch #.....:	1269182		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Dichlorodifluoromethane	5.00	4.61	25	22.8	92	60 - 140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.73	35	33.1	95	60 - 140
Chloromethane	5.00	4.68	10	9.66	94	60 - 140
Vinyl chloride	5.00	4.39	13	11.2	88	70 - 130
Bromomethane	5.00	5.00	19	19.4	100	70 - 130
Chloroethane	5.00	4.44	13	11.7	89	70 - 130
Trichlorofluoromethane	5.00	4.88	28	27.4	98	60 - 140
1,1-Dichloroethene	5.00	4.55	20	18.0	91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.81	38	36.9	96	70 - 130
Methylene chloride	5.00	4.43	17	15.4	89	70 - 130
1,1-Dichloroethane	5.00	4.51	20	18.3	90	70 - 130
cis-1,2-Dichloroethene	5.00	4.42	20	17.5	88	70 - 130
Chloroform	5.00	4.39	24	21.4	88	70 - 130
1,1,1-Trichloroethane	5.00	4.46	27	24.3	89	70 - 130
Carbon tetrachloride	5.00	4.90	31	30.8	98	70 - 130
Benzene	5.00	4.32	16	13.8	86	70 - 130
1,2-Dichloroethane	5.00	4.59	20	18.6	92	70 - 130
Trichloroethene	5.00	4.59	27	24.6	92	70 - 130
1,2-Dichloropropane	5.00	4.57	23	21.1	91	70 - 130
cis-1,3-Dichloropropene	5.00	4.76	23	21.6	95	70 - 130
Toluene	5.00	4.46	19	16.8	89	70 - 130
trans-1,3-Dichloropropene	5.00	4.85	23	22.0	97	70 - 130
1,1,2-Trichloroethane	5.00	4.57	27	24.9	91	70 - 130
Tetrachloroethene	5.00	4.32	34	29.3	86	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.61	38	35.4	92	70 - 130
Chlorobenzene	5.00	4.51	23	20.7	90	70 - 130
Ethylbenzene	5.00	4.42	22	19.2	88	70 - 130
m-Xylene & p-Xylene	10.0	8.84	43	38.4	88	70 - 130
o-Xylene	5.00	4.35	22	18.9	87	70 - 130
Styrene	5.00	4.44	21	18.9	89	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.26	34	29.2	85	70 - 130
1,3,5-Trimethylbenzene	5.00	4.21	25	20.7	84	70 - 130
1,2,4-Trimethylbenzene	5.00	4.18	25	20.6	84	70 - 130
1,3-Dichlorobenzene	5.00	4.40	30	26.5	88	70 - 130
1,4-Dichlorobenzene	5.00	4.34	30	26.1	87	70 - 130
1,2-Dichlorobenzene	5.00	4.29	30	25.8	86	70 - 130

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I260000 - 182C **Work Order #** MMP711AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzyl chloride	5.00	4.29	26	22.2	86	70 - 130
1,2,4-Trichlorobenzene	5.00	4.78	37	35.5	96	60 - 140
Hexachlorobutadiene	5.00	4.84	53	51.6	97	60 - 140

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Lab Smp Id: MMP711AC Client Smp ID: CCV/LCS
Inj Date : 26-SEP-2011 09:20
Operator : 7126 Inst ID: mj.i
Smp Info : MMP711AC,,2,6,,CCV/LCS
Misc Info : J092611,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092611.b/TO15.m
Meth Date : 26-Sep-2011 17:00 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.219	9.219	(1.000)	490052	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.397	11.397	(1.000)	2267296	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.094	16.094	(1.000)	2076574	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.724	17.724	(1.101)	1600444	4.06038	10.15
	5 Chlorodifluoromethane	67	3.882	3.882	(0.421)	118602	1.97336	4.933
	6 Propene	41	3.893	3.893	(0.422)	433421	1.72984	4.324
	7 Dichlorodifluoromethane	85	3.947	3.947	(0.428)	1137567	1.84404	4.610
	8 Chloromethane	52	4.140	4.140	(0.449)	151442	1.87041	4.676
	9 1,2-Dichlorotetrafluoroethane	135	4.146	4.146	(0.450)	682430	1.89108	4.728
	10 Methanol	31	4.269	4.269	(0.463)	109365	1.91796	4.795
	11 ~ acetaldehyde	44	4.302	4.302	(0.467)	291414	6.57775	16.44(R)
	12 Vinyl Chloride	62	4.323	4.323	(0.469)	450118	1.75557	4.389
	13 n-Butane	43	4.420	4.420	(0.479)	705963	1.68082	4.202
	14 1,3-Butadiene	54	4.415	4.415	(0.479)	331873	1.72982	4.324
	15 Bromomethane	94	4.759	4.759	(0.516)	350496	2.00188	5.005
	16 Chloroethane	64	4.910	4.910	(0.533)	198687	1.77672	4.442

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
17 ~ ethanol	31	4.990	4.990	(0.541)	634512	8.59940	21.50
18 Vinyl Bromide	106	5.232	5.232	(0.568)	357784	1.90192	4.755
19 2-methyl butane	43	5.286	5.286	(0.573)	648557	1.75002	4.375
20 Trichlorofluoromethane	101	5.518	5.518	(0.599)	996380	1.95256	4.881
21 Acrolein	56	5.512	5.512	(0.598)	93877	2.10093	5.252
22 Acetonitrile	40	5.582	5.582	(0.606)	122072	1.73912	4.348
23 Acetone	58	5.630	5.630	(0.611)	138419	1.90626	4.766
24 Isopropyl alcohol	45	5.706	5.706	(0.619)	455777	1.63462	4.086
25 Pentane	72	5.749	5.749	(0.624)	63960	1.84142	4.604
26 Ethyl Ether	31	5.916	5.916	(0.642)	496216	1.91834	4.796
27 1,1-Dichloroethene	96	6.255	6.255	(0.678)	319419	1.82095	4.552
28 tert-butanol	59	6.324	6.324	(0.686)	541631	1.62170	4.054
29 Acrylonitrile	53	6.346	6.346	(0.688)	208318	1.77089	4.427
30 1,1,2-Trichlorotrifluoroethane	101	6.437	6.437	(0.698)	698210	1.92461	4.812
31 Methylene Chloride	84	6.610	6.610	(0.717)	309730	1.77092	4.427
32 3-Chloropropene	39	6.626	6.626	(0.719)	401186	1.72670	4.317
33 Carbon Disulfide	76	6.787	6.787	(0.736)	1141056	1.83770	4.594
34 trans-1,2-Dichloroethene	96	7.449	7.449	(0.808)	376792	1.87505	4.688
35 ~ 2-Methyl Pentane	43	7.476	7.476	(0.811)	1223622	1.85628	4.641
36 Methyl-t-Butyl Ether	73	7.572	7.572	(0.821)	625100	1.80985	4.525
37 1,1-Dichloroethane	63	7.879	7.879	(0.855)	754451	1.80553	4.514
38 Vinyl Acetate	43	7.976	7.976	(0.865)	719793	1.79927	4.498
39 2-Butanone	72	8.428	8.428	(0.914)	102374	1.71116	4.278
40 Hexane	56	8.482	8.482	(0.920)	388471	1.70679	4.267
41 cis 1,2-Dichloroethene	96	8.885	8.885	(0.964)	344810	1.76831	4.421
42 Ethyl acetate	43	9.057	9.057	(0.982)	627509	1.72167	4.304
43 Chloroform	83	9.229	9.229	(1.001)	718497	1.75498	4.387
44 Tetrahydrofuran	42	9.633	9.633	(1.045)	347722	1.74197	4.355
45 1,1,1-Trichloroethane	97	10.284	10.284	(1.116)	726883	1.78502	4.462
46 1,2-Dichloroethane	62	10.381	10.381	(0.911)	520155	1.83502	4.588
47 1-Butanol	31	10.789	10.789	(0.947)	156499	1.44449	3.611
48 Benzene	78	10.875	10.875	(0.954)	971309	1.72654	4.316
49 Cyclohexane	69	10.881	10.881	(0.955)	199896	1.72094	4.302
50 Carbon Tetrachloride	117	10.902	10.902	(0.957)	764799	1.95847	4.896
51 ~ 2,3-dimethylpentane	71	10.999	10.999	(0.965)	237074	1.73976	4.349
52 ~ Thiophene	84	11.139	11.139	(0.977)	586924	1.85215	4.630
53 2,2,4-trimethylpentane	57	11.629	11.629	(1.020)	2011718	1.67951	4.199
54 Heptane	71	11.994	11.994	(1.052)	351068	1.69980	4.249
55 1,2-Dichloropropane	63	12.070	12.070	(1.059)	388318	1.82822	4.570
56 Trichloroethene	130	12.107	12.107	(1.062)	488792	1.83426	4.586
180 ~ 2-nitropropane	43	11.994	11.994	(1.052)	889042		
57 Dibromomethane	93	12.188	12.188	(1.069)	440116	1.79481	4.487
58 Bromodichloromethane	83	12.328	12.328	(1.082)	764304	1.85801	4.645
59 1,4-dioxane	88	12.328	12.328	(1.082)	98387	1.70436	4.261
60 Methyl Methacrylate	41	12.409	12.409	(1.089)	369845	1.69874	4.247
61 ~ methyl cyclohexane	83	12.877	12.877	(1.130)	621970	1.77311	4.433
62 4-Methyl-2-pentanone	43	13.248	13.248	(1.162)	685844	1.63241	4.081

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
	==========	====	==	======	======	========	========	========
63	cis-1,3-Dichloropropene	75	13.318	13.318	(1.169)	525516	1.90393	4.760
64	trans-1,3-Dichloropropene	75	14.001	14.001	(0.870)	512871	1.93934	4.848
65	Toluene	91	14.135	14.135	(0.878)	945888	1.78565	4.464
66	1,1,2-Trichloroethane	83	14.200	14.200	(0.882)	327148	1.82756	4.569
67	~ 2-methyl thiophene	97	14.291	14.291	(0.888)	872399	1.92590	4.815
68	~ 3-methyl thiophene	97	14.490	14.490	(0.900)	868643	1.91056	4.776
69	2-Hexanone	58	14.571	14.571	(0.905)	304955	1.56862	3.922
70	Octane	85	14.819	14.819	(0.921)	355047	1.76644	4.416
71	Dibromochloromethane	129	14.905	14.905	(0.926)	679612	1.95816	4.895
72	1,2-Dibromoethane	107	15.195	15.195	(0.944)	568426	1.84408	4.610
73	Tetrachloroethene	129	15.276	15.276	(0.949)	383109	1.72849	4.321
74	Chlorobenzene	112	16.142	16.142	(1.003)	770333	1.80291	4.507
75	~ 2,3-dimethylheptane	43	16.158	16.158	(1.004)	1541213	1.86076	4.652
76	Ethylbenzene	91	16.427	16.427	(1.021)	1067264	1.76837	4.421
77	~ 2-ethyl thiophene	97	16.529	16.529	(1.027)	920236	1.89947	4.749
78	m&p-Xylene	91	16.588	16.588	(1.031)	1638245	3.53512	8.838
79	Nonane	57	16.997	16.997	(1.056)	865860	1.85311	4.633
80	Bromoform	173	17.035	17.035	(1.058)	627105	2.13897	5.347
81	Styrene	104	17.051	17.051	(1.059)	599644	1.77395	4.435
82	o-Xylene	91	17.110	17.110	(1.063)	839344	1.74153	4.354
M 83	Xylene (total)	100				2477589	5.27665	13.19
84	1,1,2,2-Tetrachloroethane	83	17.422	17.422	(1.083)	661449	1.70226	4.256
85	1,2,3-Trichloropropane	110	17.584	17.584	(1.093)	148190	1.68568	4.214
86	Cumene	105	17.691	17.691	(1.099)	1079275	1.72517	4.313
87	n-Propylbenzene	120	18.218	18.218	(1.132)	282886	1.73117	4.328
88	2-chlorotoluene	126	18.261	18.261	(1.135)	309625	1.80949	4.524
89	4-Ethyltoluene	105	18.364	18.364	(1.141)	1004062	1.67093	4.177
90	1,3,5-Trimethylbenzene	120	18.434	18.434	(1.145)	458149	1.68393	4.210
91	Alpha-Methylstyrene	118	18.654	18.654	(1.159)	406613	1.70674	4.267
92	Decane	57	18.708	18.708	(1.162)	919400	1.89470	4.737
93	tert-butylbenzene	119	18.848	18.848	(1.171)	829473	1.69198	4.230
94	1,2,4-Trimethylbenzene	105	18.859	18.859	(1.172)	784908	1.67359	4.184
95	sec-butylbenzene	105	19.111	19.111	(1.188)	1169268	1.73423	4.336
96	1,3-Dichlorobenzene	146	19.128	19.128	(1.189)	631257	1.76157	4.404
97	Benzyl Chloride	91	19.198	19.198	(1.193)	747947	1.71622	4.290
98	1,4-Dichlorobenzene	146	19.214	19.214	(1.194)	609298	1.73618	4.340
99	p-Cymene	119	19.267	19.267	(1.197)	896772	1.71019	4.275
100	~ 1,2,3- Trimethylbenzene	105	19.321	19.321	(1.201)	671152	1.72774	4.319
101	~ n-butylcyclohexane	83	19.375	19.375	(1.204)	889676	1.98785	4.970
102	~ Indane	117	19.569	19.569	(1.216)	735524	1.70893	4.272
103	1,2-Dichlorobenzene	146	19.569	19.569	(1.216)	556986	1.71529	4.288
104	n-butylbenzene	91	19.692	19.692	(1.224)	897516	1.68216	4.205
105	~ Indene	116	19.692	19.692	(1.224)	560182	1.72871	4.322
106	Undecane	57	19.994	19.994	(1.242)	704758	1.83864	4.596
107	~ 1,2-dimethyl-4-ethylenzene	119	20.058	20.058	(1.246)	760117	1.74989	4.375
108	~ 1,2,4,5-tetramethylbenzene	119	20.440	20.440	(1.270)	731332	1.80352	4.509
109	~ 1,2,3,5-tetramethylbenzene	119	20.499	20.499	(1.274)	567403	2.00347	5.009

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.908	20.908	(1.299)	593560	1.89964	4.749
111 Dodecane	57	21.064	21.064	(1.309)	660417	2.04427	5.111
112 1,2,4-Trichlorobenzene	180	21.285	21.285	(1.323)	356776	1.91309	4.783
113 Napthalene	128	21.435	21.435	(1.332)	720200	1.86056	4.651
114 ~ benzo(b) thiophene	134	21.543	21.543	(1.339)	490809	1.94967	4.874
115 Hexachlorobutadiene	225	21.645	21.645	(1.345)	356939	1.93561	4.839
116 1,2,3-trichlorobenzene	180	21.715	21.715	(1.349)	300846	1.92077	4.802
117 ~ 2-Methylnaphthalene	142	22.393	22.393	(1.391)	451054	12.4778	31.19
118 ~ 1-Methylnaphthalene	142	22.533	22.533	(1.400)	357166	11.3555	28.39

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: jlcsi26.d
Lab Smp Id: MMP711AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,all.sub,,,

Calibration Date: 26-SEP-2011
Calibration Time: 09:20
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	490052	291581	688523	490052	0.00
2 1,4-Difluorobenze	2267296	1349041	3185551	2267296	0.00
3 Chlorobenzene-d5	2076574	1235562	2917586	2076574	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.00
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.00
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MMP711AC
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: all.sub
Method File: /var/chem/gcms/mj.i/J092611.b/TO15.m
Misc Info: J092611,TO15,all.sub,,,

Client SDG: J092611
Fraction: OTHER
Client Smp ID: CCV/LCS
Operator: 7126
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5	Chlorodifluorometh	5.000	4.933	98.67	60-140
6	Propene	5.000	4.324	86.49	60-140
7	Dichlorodifluorome	5.000	4.610	92.20	60-140
8	Chloromethane	5.000	4.676	93.52	60-140
9	1,2-Dichlorotetraf	5.000	4.728	94.55	60-140
10	Methanol	5.000	4.795	95.90	60-140
11	~ acetaldehyde	23.80	16.44	69.09*	70-130
12	Vinyl Chloride	5.000	4.389	87.78	70-130
13	n-Butane	5.000	4.202	84.04	60-140
14	1,3-Butadiene	5.000	4.324	86.49	60-140
15	Bromomethane	5.000	5.005	100.09	70-130
16	Chloroethane	5.000	4.442	88.84	70-130
17	~ ethanol	24.55	21.50	87.57	70-130
18	Vinyl Bromide	5.000	4.755	95.10	60-140
19	2-methyl butane	5.000	4.375	87.50	70-130
20	Trichlorofluoromet	5.000	4.881	97.63	60-140
21	Acrolein	5.000	5.252	105.05	60-140
22	Acetonitrile	5.000	4.348	86.96	60-140
23	Acetone	5.000	4.766	95.31	60-140
25	Pentane	5.000	4.604	92.07	70-130
24	Isopropyl alcohol	5.000	4.086	81.73	60-140
26	Ethyl Ether	5.000	4.796	95.92	60-140
27	1,1-Dichloroethene	5.000	4.552	91.05	70-130
28	tert-butanol	5.000	4.054	81.08	60-140
29	Acrylonitrile	5.000	4.427	88.54	60-140
30	1,1,2-Trichlorotri	5.000	4.812	96.23	70-130
31	Methylene Chloride	5.000	4.427	88.55	70-130
32	3-Chloropropene	5.000	4.317	86.34	60-140
33	Carbon Disulfide	5.000	4.594	91.89	70-130
34	trans-1,2-Dichloro	5.000	4.688	93.75	70-130
35	~ 2-Methyl Pentane	5.000	4.641	92.81	70-130
36	Methyl-t-Butyl Eth	5.000	4.525	90.49	60-140
37	1,1-Dichloroethane	5.000	4.514	90.28	70-130

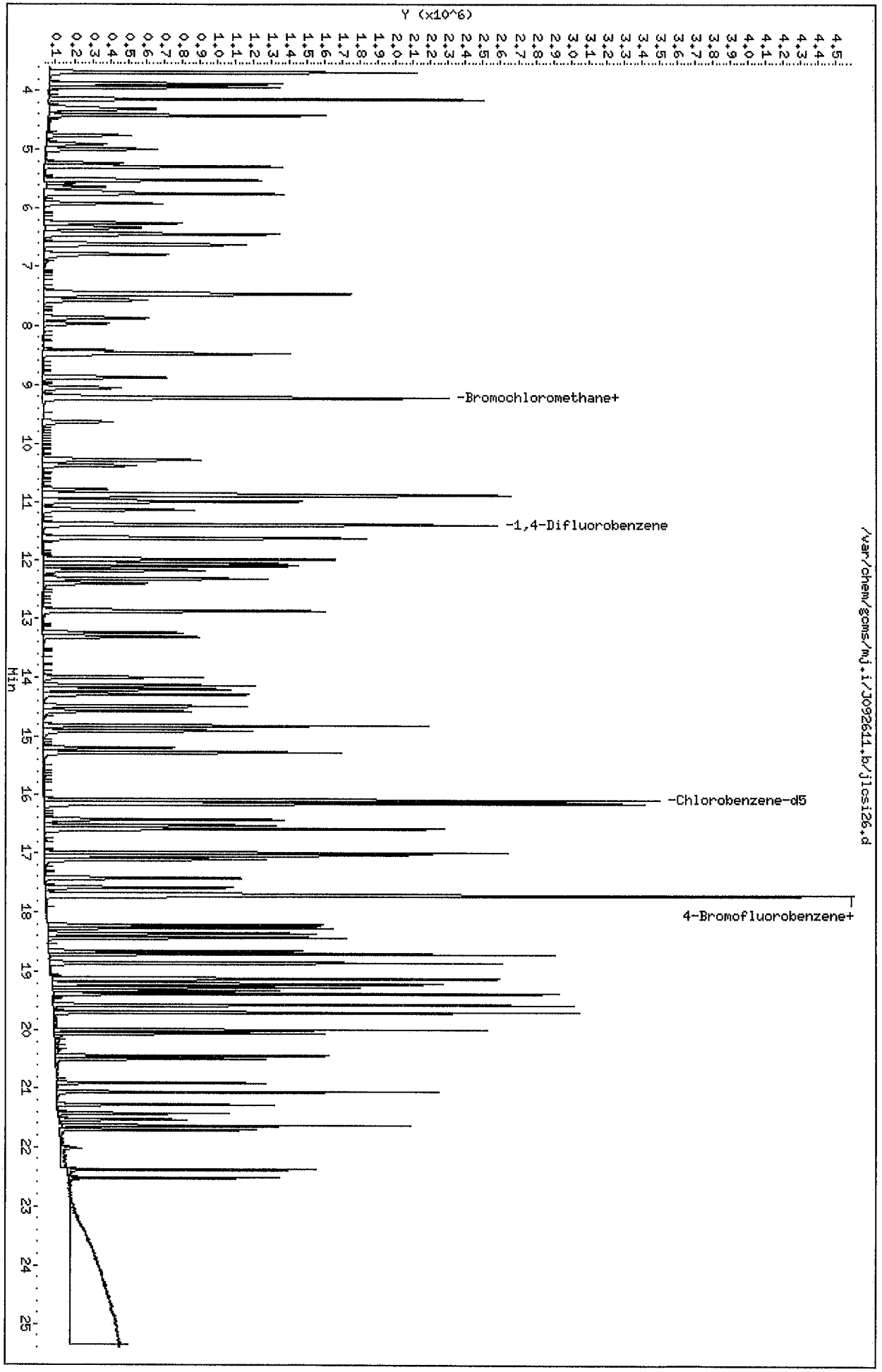
Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

	SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	4.498	89.96	60-140
	39	2-Butanone	5.000	4.278	85.56	60-140
	40	Hexane	5.000	4.267	85.34	70-130
	41	cis 1,2-Dichloroet	5.000	4.421	88.42	70-130
	42	Ethyl acetate	5.000	4.304	86.08	60-140
	43	Chloroform	5.000	4.387	87.75	70-130
	44	Tetrahydrofuran	5.000	4.355	87.10	60-140
	45	1,1,1-Trichloroeth	5.000	4.462	89.25	70-130
	46	1,2-Dichloroethane	5.000	4.588	91.75	70-130
	47	1-Butanol	5.000	3.611	72.22	60-140
	48	Benzene	5.000	4.316	86.33	70-130
	49	Cyclohexane	5.000	4.302	86.05	70-130
	50	Carbon Tetrachlori	5.000	4.896	97.92	70-130
	51	~ 2,3-dimethylpent	5.000	4.349	86.99	70-130
	52	~ Thiophene	5.000	4.630	92.61	70-130
	53	2,2,4-trimethylpen	5.000	4.199	83.98	70-130
	54	Heptane	5.000	4.249	84.99	70-130
	55	1,2-Dichloropropan	5.000	4.570	91.41	70-130
	56	Trichloroethene	5.000	4.586	91.71	70-130
	57	Dibromomethane	5.000	4.487	89.74	70-130
	58	Bromodichlorometha	5.000	4.645	92.90	70-130
	59	1,4-dioxane	5.000	4.261	85.22	60-140
	60	Methyl Methacrylat	5.000	4.247	84.94	60-140
	61	~ methyl cyclohexa	5.000	4.433	88.66	70-130
	62	4-Methyl-2-pentano	5.000	4.081	81.62	60-140
	63	cis-1,3-Dichloropr	5.000	4.760	95.20	70-130
	64	trans-1,3-Dichloro	5.000	4.848	96.97	70-130
	65	Toluene	5.000	4.464	89.28	70-130
	66	1,1,2-Trichloroeth	5.000	4.569	91.38	70-130
	67	~ 2-methyl thiophe	5.000	4.815	96.30	70-130
	68	~ 3-methyl thiophe	5.000	4.776	95.53	70-130
	69	2-Hexanone	5.000	3.922	78.43	60-140
	70	Octane	5.000	4.416	88.32	70-130
	71	Dibromochlorometha	5.000	4.895	97.91	70-130
	72	1,2-Dibromoethane	5.000	4.610	92.20	70-130
	73	Tetrachloroethene	5.000	4.321	86.42	70-130
	74	Chlorobenzene	5.000	4.507	90.15	70-130
	75	~ 2,3-dimethylhept	5.000	4.652	93.04	70-130
	76	Ethylbenzene	5.000	4.421	88.42	70-130
	77	~ 2-ethyl thiophen	5.000	4.749	94.97	70-130
	78	m&p-Xylene	10.00	8.838	88.38	70-130
M	83	Xylene (total)	15.00	13.19	87.94	70-130
	79	Nonane	5.000	4.633	92.66	60-140
	80	Bromoform	5.000	5.347	106.95	60-140
	81	Styrene	5.000	4.435	88.70	70-130
	82	o-Xylene	5.000	4.354	87.08	70-130
	84	1,1,2,2-Tetrachlor	5.000	4.256	85.11	70-130

Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Report Date: 26-Sep-2011 17:13

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85 1,2,3-Trichloropro	5.000	4.214	84.28	60-140
86 Cumene	5.000	4.313	86.26	70-130
87 n-Propylbenzene	5.000	4.328	86.56	70-130
88 2-chlorotoluene	5.000	4.524	90.47	70-130
89 4-Ethyltoluene	5.000	4.177	83.55	70-130
90 1,3,5-Trimethylben	5.000	4.210	84.20	70-130
91 Alpha-Methylstyren	5.000	4.267	85.34	60-140
92 Decane	5.000	4.737	94.73	60-140
93 tert-butylbenzene	5.000	4.230	84.60	70-130
94 1,2,4-Trimethylben	5.000	4.184	83.68	70-130
95 sec-butylbenzene	5.000	4.336	86.71	70-130
96 1,3-Dichlorobenzen	5.000	4.404	88.08	70-130
97 Benzyl Chloride	5.000	4.290	85.81	70-130
98 1,4-Dichlorobenzen	5.000	4.340	86.81	70-130
99 p-Cymene	5.000	4.275	85.51	70-130
100 ~ 1,2,3- Trimethyl	5.000	4.319	86.39	70-130
101 ~ n-butylcyclohexa	5.000	4.970	99.39	70-130
102 ~ Indane	5.000	4.272	85.45	70-130
103 1,2-Dichlorobenzen	5.000	4.288	85.76	70-130
104 n-butylbenzene	5.000	4.205	84.11	60-140
105 ~ Indene	5.000	4.322	86.44	70-130
106 Undecane	5.000	4.596	91.93	60-140
107 ~ 1,2-dimethyl-4-e	5.000	4.375	87.49	70-130
108 ~ 1,2,4,5-tetramet	5.000	4.509	90.18	70-130
109 ~ 1,2,3,5-tetramet	5.000	5.009	100.17	70-130
110 ~ 1,2,3,4-tetramet	5.000	4.749	94.98	70-130
111 Dodecane	5.000	5.111	102.21	60-140
112 1,2,4-Trichloroben	5.000	4.783	95.65	60-140
113 Napthalene	5.000	4.651	93.03	40-140
114 ~ benzo(b) thiophe	5.000	4.874	97.48	70-130
115 Hexachlorobutadien	5.000	4.839	96.78	60-140
116 1,2,3-trichloroben	5.000	4.802	96.04	40-140
117 ~ 2-Methylnaphthal	31.25	31.19	99.82	70-130
118 ~ 1-Methylnaphthal	31.25	28.39	90.84	70-130

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	10.00	10.15	101.51	70-130


Data File: /var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Date : 26-SEP-2011 09:20
Client ID: CCV/LCS
Sample Info: MHP714AC,,2,6,,CCV/LCS
Purge Volume: 200.0
Column phase: Rtx-5
Instrument: mj.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,4-Difluorobenzene
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/mj.i/J092611.b/jlcsi26.d
Min

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H1I270000 - 165B **Work Order #** MMQ4V1AA **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011
Prep Batch #.....:	1270165		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
Chloromethane	ND	0.20	ND	0.41
Vinyl chloride	ND	0.080	ND	0.20
Bromomethane	ND	0.080	ND	0.31
Chloroethane	ND	0.080	ND	0.21
Trichlorofluoromethane	ND	0.080	ND	0.45
1,1-Dichloroethene	ND	0.080	ND	0.32
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.080	ND	0.61
Methylene chloride	ND	0.20	ND	0.69
1,1-Dichloroethane	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
Chloroform	ND	0.080	ND	0.39
1,1,1-Trichloroethane	ND	0.080	ND	0.44
Carbon tetrachloride	ND	0.080	ND	0.50
Benzene	ND	0.080	ND	0.26
1,2-Dichloroethane	ND	0.080	ND	0.32
Trichloroethene	ND	0.040	ND	0.21
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36
Toluene	ND	0.080	ND	0.30
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Tetrachloroethene	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
Chlorobenzene	ND	0.080	ND	0.37
Ethylbenzene	ND	0.080	ND	0.35
m-Xylene & p-Xylene	ND	0.080	ND	0.35
o-Xylene	ND	0.080	ND	0.35
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
1,2-Dichlorobenzene	ND	0.080	ND	0.48
Benzyl chloride	ND	0.16	ND	0.83

Merit Laboratories

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H1I270000 - 165B **Work Order #** MMQ4V1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
Hexachlorobutadiene	ND	0.080	ND	0.85

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/jblki27.d
Report Date: 27-Sep-2011 16:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/jblki27.d
Lab Smp Id: MMQ4V1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 27-SEP-2011 11:17
Operator : 7126 Inst ID: mj.i
Smp Info : MMQ4V1AA,,3,,,BLANK
Misc Info : J092711,TO15,1-all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 27-Sep-2011 16:44 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 14 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: meritnj.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	500.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

92711

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	9.220	9.217	(1.000)	449981	4.00000	4.000
* 2 1,4-Difluorobenzene	114	11.394	11.396	(1.000)	2125701	4.00000	4.000
* 3 Chlorobenzene-d5	117	16.095	16.092	(1.000)	1811832	4.00000	4.000
$ 4 4-Bromofluorobenzene	95	17.720	17.722	(1.101)	1339943	3.89621	3.896

Data File: /var/chem/gcms/mj.i/J092711.b/jblki27.d
Report Date: 27-Sep-2011 16:57

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: jblki27.d
Lab Smp Id: MMQ4V1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,1-all.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	449981	11.45
2 1,4-Difluorobenze	1919659	1142197	2697121	2125701	10.73
3 Chlorobenzene-d5	1768604	1052319	2484889	1811832	2.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.03
2 1,4-Difluorobenze	11.40	11.07	11.73	11.39	-0.02
3 Chlorobenzene-d5	16.09	15.76	16.42	16.10	0.02

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092711.b/jblki27.d
Report Date: 27-Sep-2011 16:57

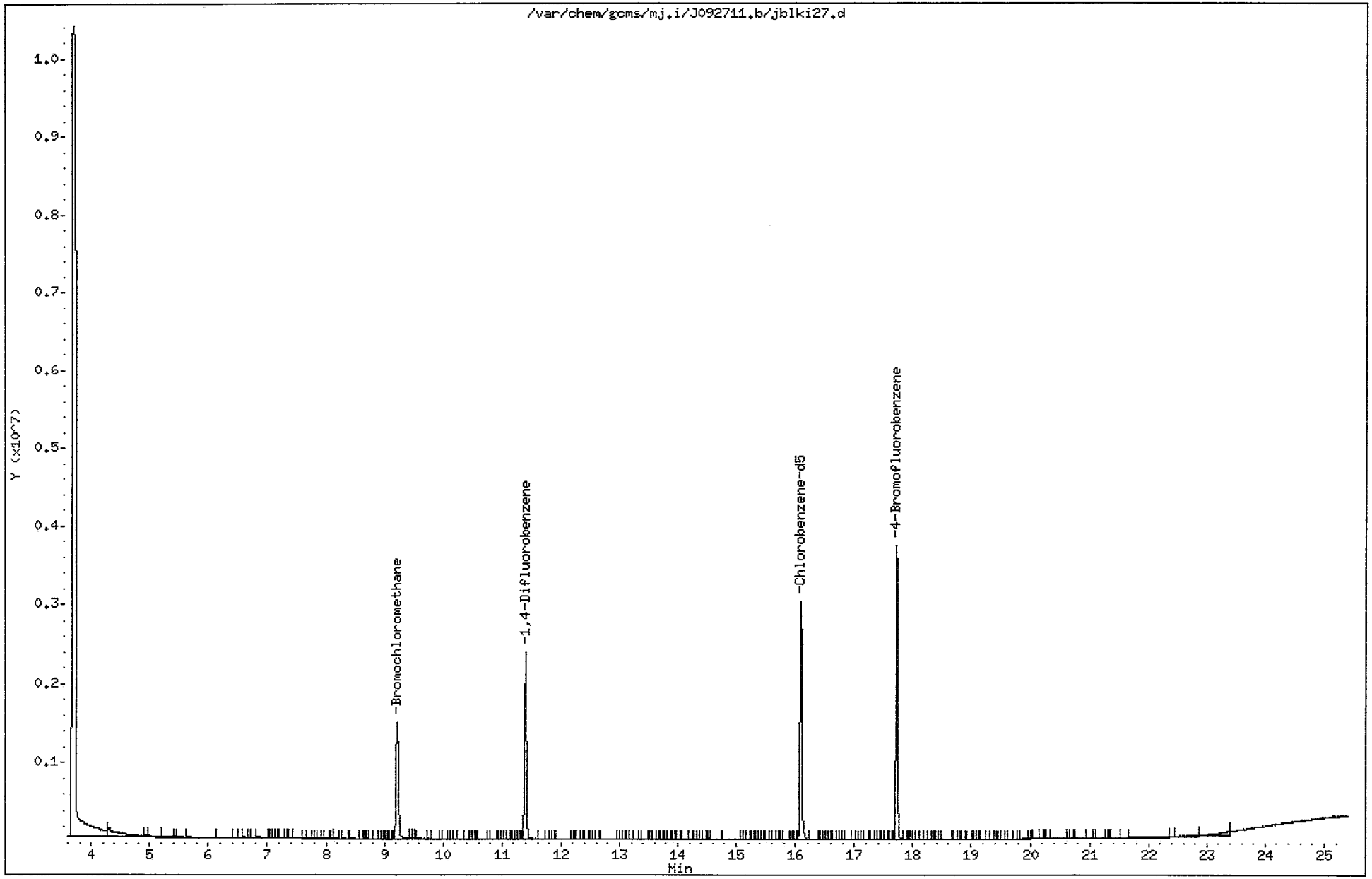
TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: H1I270000
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: MMQ4V1AA
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: METHOD BLANK
SpikeList File: allnew.spk
Quant Type: ISTD
Sublist File: meritnj.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,1-all.sub,,,

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 4-Bromofluorobenze	4.000	3.896	97.41	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/jblki27.d
Date : 27-SEP-2011 11:17
Client ID: INTRA-LAB BLANK
Instrument: mj.i
Sample Info: MMQ4V1AA,,3,,,BLANK
Purge Volume: 500.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I270000 - 165C **Work Order #** MMQ4V1AC **Matrix.....:** AIR

	09/21/2011	**Date Received..:**	09/23/2011
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011
Prep Batch #.....:	1270165		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Dichlorodifluoromethane	5.00	4.88	25	24.1	98	60 - 140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.90	35	34.2	98	60 - 140
Chloromethane	5.00	5.17	10	10.7	103	60 - 140
Vinyl chloride	5.00	4.88	13	12.5	98	70 - 130
Bromomethane	5.00	5.22	19	20.3	104	70 - 130
Chloroethane	5.00	4.65	13	12.3	93	70 - 130
Trichlorofluoromethane	5.00	5.01	28	28.2	100	60 - 140
1,1-Dichloroethene	5.00	4.56	20	18.1	91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.93	38	37.8	99	70 - 130
Methylene chloride	5.00	4.56	17	15.8	91	70 - 130
1,1-Dichloroethane	5.00	4.64	20	18.8	93	70 - 130
cis-1,2-Dichloroethene	5.00	4.52	20	17.9	90	70 - 130
Chloroform	5.00	4.52	24	22.1	90	70 - 130
1,1,1-Trichloroethane	5.00	4.51	27	24.6	90	70 - 130
Carbon tetrachloride	5.00	4.73	31	29.8	95	70 - 130
Benzene	5.00	4.27	16	13.6	85	70 - 130
1,2-Dichloroethane	5.00	4.60	20	18.6	92	70 - 130
Trichloroethene	5.00	3.86	27	20.7	77	70 - 130
1,2-Dichloropropane	5.00	4.62	23	21.3	92	70 - 130
cis-1,3-Dichloropropene	5.00	4.73	23	21.5	95	70 - 130
Toluene	5.00	4.25	19	16.0	85	70 - 130
trans-1,3-Dichloropropene	5.00	4.58	23	20.8	92	70 - 130
1,1,2-Trichloroethane	5.00	4.48	27	24.4	90	70 - 130
Tetrachloroethene	5.00	4.12	34	28.0	82	70 - 130
1,2-Dibromoethane (EDB)	5.00	4.45	38	34.2	89	70 - 130
Chlorobenzene	5.00	4.29	23	19.7	86	70 - 130
Ethylbenzene	5.00	4.15	22	18.0	83	70 - 130
m-Xylene & p-Xylene	10.0	8.24	43	35.8	82	70 - 130
o-Xylene	5.00	4.04	22	17.5	81	70 - 130
Styrene	5.00	4.21	21	17.9	84	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.22	34	29.0	84	70 - 130
1,3,5-Trimethylbenzene	5.00	3.91	25	19.2	78	70 - 130
1,2,4-Trimethylbenzene	5.00	3.91	25	19.2	78	70 - 130
1,3-Dichlorobenzene	5.00	4.08	30	24.5	82	70 - 130
1,4-Dichlorobenzene	5.00	4.00	30	24.1	80	70 - 130
1,2-Dichlorobenzene	5.00	4.02	30	24.2	80	70 - 130

Merit Laboratories

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H1I270000 - 165C **Work Order #** MMQ4V1AC **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzyl chloride	5.00	3.84	26	19.9	77	70 - 130
1,2,4-Trichlorobenzene	5.00	4.21	37	31.2	84	60 - 140
Hexachlorobutadiene	5.00	4.52	53	48.2	90	60 - 140

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Lab Smp Id: MMQ4V1AC Client Smp ID: CCV/LCS
Inj Date : 27-SEP-2011 09:30
Operator : 7126 Inst ID: mj.i
Smp Info : MMQ4V1AC,,2,6,,CCV/LCS
Misc Info : J092711,TO15,all.sub,,,
Comment :
Method : /var/chem/gcms/mj.i/J092711.b/TO15.m
Meth Date : 27-Sep-2011 16:44 barlozha Quant Type: ISTD
Cal Date : 25-AUG-2011 21:16 Cal File: jich256.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Default Calibration Volume
Vo	200.00000	Default Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
*	1 Bromochloromethane	128	9.217	9.217	(1.000)	403754	4.00000	4.000
*	2 1,4-Difluorobenzene	114	11.396	11.396	(1.000)	1919659	4.00000	4.000
*	3 Chlorobenzene-d5	117	16.092	16.092	(1.000)	1768604	4.00000	4.000
$	4 4-Bromofluorobenzene	95	17.722	17.722	(1.101)	1363146	4.06055	10.15
	5 Chlorodifluoromethane	67	3.876	3.876	(0.420)	101485	2.04947	5.124
	6 Propene	41	3.886	3.886	(0.422)	394725	1.91212	4.780
	7 Dichlorodifluoromethane	85	3.946	3.946	(0.428)	991242	1.95028	4.876
	8 Chloromethane	52	4.139	4.139	(0.449)	138010	2.06883	5.172
	9 1,2-Dichlorotetrafluoroethane	135	4.145	4.145	(0.450)	582273	1.95841	4.896
	10 Methanol	31	4.274	4.274	(0.464)	110096	2.34347	5.859
	11 ~ acetaldehyde	44	4.301	4.301	(0.467)	313906	8.59987	21.50
	12 Vinyl Chloride	62	4.322	4.322	(0.469)	412349	1.95201	4.880
	13 n-Butane	43	4.419	4.419	(0.479)	681956	1.97070	4.927
	14 1,3-Butadiene	54	4.414	4.414	(0.479)	307406	1.94476	4.862
	15 Bromomethane	94	4.758	4.758	(0.516)	300999	2.08662	5.216
	16 Chloroethane	64	4.909	4.909	(0.533)	171413	1.86045	4.651

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
17 ~ ethanol	31	4.995	4.995	(0.542)	578006	9.50792	23.77
18 Vinyl Bromide	106	5.231	5.231	(0.568)	299193	1.93041	4.826
19 2-methyl butane	43	5.285	5.285	(0.573)	560073	1.83428	4.586
20 Trichlorofluoromethane	101	5.516	5.516	(0.598)	843058	2.00522	5.013
21 Acrolein	56	5.516	5.516	(0.598)	78516	2.13273	5.332
22 Acetonitrile	40	5.581	5.581	(0.605)	99971	1.72867	4.322
23 Acetone	58	5.635	5.635	(0.611)	111832	1.86929	4.673
24 Isopropyl alcohol	45	5.710	5.710	(0.619)	403660	1.75714	4.393
25 Pentane	72	5.748	5.748	(0.624)	54891	1.91810	4.795
26 Ethyl Ether	31	5.914	5.914	(0.642)	411336	1.93009	4.825
27 1,1-Dichloroethene	96	6.253	6.253	(0.678)	263759	1.82503	4.562
28 tert-butanol	59	6.323	6.323	(0.686)	478085	1.73739	4.343
29 Acrylonitrile	53	6.345	6.345	(0.688)	167609	1.72937	4.323
30 1,1,2-Trichlorotrifluoroethane	101	6.442	6.442	(0.699)	589118	1.97099	4.927
31 Methylene Chloride	84	6.608	6.608	(0.717)	262864	1.82420	4.560
32 3-Chloropropene	39	6.630	6.630	(0.719)	346636	1.81080	4.527
33 Carbon Disulfide	76	6.786	6.786	(0.736)	960291	1.87714	4.693
34 trans-1,2-Dichloroethene	96	7.448	7.448	(0.808)	309861	1.87156	4.679
35 ~ 2-Methyl Pentane	43	7.474	7.474	(0.811)	1028278	1.89336	4.733
36 Methyl-t-Butyl Ether	73	7.571	7.571	(0.821)	503088	1.76792	4.420
37 1,1-Dichloroethane	63	7.878	7.878	(0.855)	639479	1.85748	4.644
38 Vinyl Acetate	43	7.975	7.975	(0.865)	579168	1.75719	4.393
39 2-Butanone	72	8.427	8.427	(0.914)	83886	1.70183	4.254
40 Hexane	56	8.480	8.480	(0.920)	325451	1.73553	4.339
41 cis 1,2-Dichloroethene	96	8.884	8.884	(0.964)	290254	1.80669	4.517
42 Ethyl acetate	43	9.056	9.056	(0.982)	499088	1.66200	4.155
43 Chloroform	83	9.234	9.234	(1.002)	609567	1.80715	4.518
44 Tetrahydrofuran	42	9.632	9.632	(1.045)	281416	1.71113	4.278
45 1,1,1-Trichloroethane	97	10.283	10.283	(1.116)	605825	1.80572	4.514
46 1,2-Dichloroethane	62	10.379	10.379	(0.911)	441482	1.83953	4.599
47 1-Butanol	31	10.788	10.788	(0.947)	133687	1.45739	3.643
48 Benzene	78	10.874	10.874	(0.954)	813925	1.70879	4.272
49 Cyclohexane	69	10.880	10.880	(0.955)	162913	1.65654	4.141
50 Carbon Tetrachloride	117	10.896	10.896	(0.956)	625386	1.89148	4.729
51 ~ 2,3-dimethylpentane	71	10.993	10.993	(0.965)	201023	1.74235	4.356
52 ~ Thiophene	84	11.143	11.143	(0.978)	490247	1.82723	4.568
53 2,2,4-trimethylpentane	57	11.627	11.627	(1.020)	1718834	1.69486	4.237
54 Heptane	71	11.993	11.993	(1.052)	291090	1.66463	4.162
55 1,2-Dichloropropane	63	12.069	12.069	(1.059)	332219	1.84735	4.618
56 Trichloroethene	130	12.106	12.106	(1.062)	348153	1.54309	3.858
180 ~ 2-nitropropane	43	11.993	11.993	(1.052)	744529		
57 Dibromomethane	93	12.187	12.187	(1.069)	362737	1.74714	4.368
58 Bromodichloromethane	83	12.327	12.327	(1.082)	637678	1.83092	4.577
59 1,4-dioxane	88	12.332	12.332	(1.082)	85544	1.75024	4.376
60 Methyl Methacrylate	41	12.407	12.407	(1.089)	289416	1.57005	3.925
61 ~ methyl cyclohexane	83	12.881	12.881	(1.130)	516792	1.74007	4.350
62 4-Methyl-2-pentanone	43	13.247	13.247	(1.162)	571568	1.60678	4.017

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
	63 cis-1,3-Dichloropropene	75	13.317	13.317	(1.169)	441837	1.89065	4.727
	64 trans-1,3-Dichloropropene	75	14.000	14.000	(0.870)	413050	1.83386	4.585
	65 Toluene	91	14.134	14.134	(0.878)	767212	1.70055	4.251
	66 1,1,2-Trichloroethane	83	14.204	14.204	(0.883)	273161	1.79169	4.479
	67 ~ 2-methyl thiophene	97	14.285	14.285	(0.888)	712886	1.84781	4.620
	68 ~ 3-methyl thiophene	97	14.489	14.489	(0.900)	710287	1.83430	4.586
	69 2-Hexanone	58	14.570	14.570	(0.905)	254328	1.53601	3.840
	70 Octane	85	14.812	14.812	(0.920)	296091	1.72964	4.324
	71 Dibromochloromethane	129	14.904	14.904	(0.926)	557819	1.88711	4.718
	72 1,2-Dibromoethane	107	15.194	15.194	(0.944)	467563	1.78100	4.452
	73 Tetrachloroethene	129	15.275	15.275	(0.949)	311277	1.64895	4.122
	74 Chlorobenzene	112	16.141	16.141	(1.003)	624501	1.71612	4.290
	75 ~ 2,3-dimethylheptane	43	16.157	16.157	(1.004)	1340306	1.89998	4.750
	76 Ethylbenzene	91	16.426	16.426	(1.021)	853673	1.66077	4.152
	77 ~ 2-ethyl thiophene	97	16.528	16.528	(1.027)	740006	1.79344	4.484
	78 m&p-Xylene	91	16.587	16.587	(1.031)	1300197	3.29421	8.236
	79 Nonane	57	16.996	16.996	(1.056)	734575	1.84589	4.615
	80 Bromoform	173	17.034	17.034	(1.058)	506337	2.02778	5.069
	81 Styrene	104	17.050	17.050	(1.060)	484498	1.68289	4.207
	82 o-Xylene	91	17.109	17.109	(1.063)	663467	1.61632	4.041
M	83 Xylene (total)	100				1963664	4.91053	12.28
	84 1,1,2,2-Tetrachloroethane	83	17.421	17.421	(1.083)	558985	1.68907	4.223
	85 1,2,3-Trichloropropane	110	17.583	17.583	(1.093)	119139	1.59121	3.978
	86 Cumene	105	17.690	17.690	(1.099)	871648	1.63591	4.090
	87 n-Propylbenzene	120	18.212	18.212	(1.132)	223011	1.60240	4.006
	88 2-chlorotoluene	126	18.260	18.260	(1.135)	252979	1.73589	4.340
	89 4-Ethyltoluene	105	18.357	18.357	(1.141)	794541	1.55250	3.881
	90 1,3,5-Trimethylbenzene	120	18.432	18.432	(1.145)	362559	1.56464	3.912
	91 Alpha-Methylstyrene	118	18.653	18.653	(1.159)	321068	1.58234	3.956
	92 Decane	57	18.707	18.707	(1.162)	781307	1.89049	4.726
	93 tert-butylbenzene	119	18.847	18.847	(1.171)	666376	1.59599	3.990
	94 1,2,4-Trimethylbenzene	105	18.857	18.857	(1.172)	624084	1.56240	3.906
	95 sec-butylbenzene	105	19.110	19.110	(1.188)	934136	1.62675	4.067
	96 1,3-Dichlorobenzene	146	19.126	19.126	(1.189)	498349	1.63284	4.082
	97 Benzyl Chloride	91	19.196	19.196	(1.193)	569557	1.53446	3.836
	98 1,4-Dichlorobenzene	146	19.212	19.212	(1.194)	478465	1.60078	4.002
	99 p-Cymene	119	19.266	19.266	(1.197)	703651	1.57557	3.939
	100 ~ 1,2,3- Trimethylbenzene	105	19.320	19.320	(1.201)	529115	1.59928	3.998
	101 ~ n-butylcyclohexane	83	19.374	19.374	(1.204)	747007	1.95972	4.899
	102 ~ Indane	117	19.568	19.568	(1.216)	578340	1.57771	3.944
	103 1,2-Dichlorobenzene	146	19.568	19.568	(1.216)	444436	1.60701	4.018
	104 n-butylbenzene	91	19.691	19.691	(1.224)	710939	1.56450	3.911
	105 ~ Indene	116	19.691	19.691	(1.224)	433521	1.57079	3.927
	106 Undecane	57	19.993	19.993	(1.242)	549907	1.68447	4.211
	107 ~ 1,2-dimethyl-4-ethylenzene	119	20.057	20.057	(1.246)	600755	1.62385	4.060
	108 ~ 1,2,4,5-tetramethylbenzene	119	20.439	20.439	(1.270)	569763	1.64975	4.124
	109 ~ 1,2,3,5-tetramethylbenzene	119	20.498	20.498	(1.274)	442614	1.83499	4.587

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
110 ~ 1,2,3,4-tetramethylbenzene	119	20.907	20.907	(1.299)	458329	1.72227	4.306
111 Dodecane	57	21.063	21.063	(1.309)	519583	1.88839	4.721
112 1,2,4-Trichlorobenzene	180	21.284	21.284	(1.323)	267408	1.68357	4.209
113 Napthalene	128	21.429	21.429	(1.332)	540854	1.64054	4.101
114 ~ benzo(b) thiophene	134	21.536	21.536	(1.338)	357582	1.66779	4.169
115 Hexachlorobutadiene	225	21.644	21.644	(1.345)	283921	1.80775	4.519
116 1,2,3-trichlorobenzene	180	21.714	21.714	(1.349)	216488	1.62287	4.057
117 ~ 2-Methylnaphthalene	142	22.392	22.392	(1.391)	328078	10.6562	26.64
118 ~ 1-Methylnaphthalene	142	22.532	22.532	(1.400)	262873	9.81291	24.53

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mj.i
Lab File ID: jlcsi27.d
Lab Smp Id: MMQ4V1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,all.sub,,,

Calibration Date: 27-SEP-2011
Calibration Time: 09:30
Client Smp ID: CCV/LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	403754	240234	567274	403754	0.00
2 1,4-Difluorobenze	1919659	1142197	2697121	1919659	0.00
3 Chlorobenzene-d5	1768604	1052319	2484889	1768604	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	9.22	8.89	9.55	9.22	0.00
2 1,4-Difluorobenze	11.40	11.07	11.73	11.40	0.00
3 Chlorobenzene-d5	16.09	15.76	16.42	16.09	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: MMQ4V1AC
Level: LOW
Data Type: MS DATA
SpikeList File: allnew.spk
Sublist File: all.sub
Method File: /var/chem/gcms/mj.i/J092711.b/TO15.m
Misc Info: J092711,TO15,all.sub,,,

Client SDG: J092711
Fraction: OTHER
Client Smp ID: CCV/LCS
Operator: 7126
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
5 Chlorodifluorometh	5.000	5.124	102.47	60-140
6 Propene	5.000	4.780	95.61	60-140
7 Dichlorodifluorome	5.000	4.876	97.51	60-140
8 Chloromethane	5.000	5.172	103.44	60-140
9 1,2-Dichlorotetraf	5.000	4.896	97.92	60-140
10 Methanol	5.000	5.859	117.17	60-140
11 ~ acetaldehyde	23.80	21.50	90.33	70-130
12 Vinyl Chloride	5.000	4.880	97.60	70-130
13 n-Butane	5.000	4.927	98.53	60-140
14 1,3-Butadiene	5.000	4.862	97.24	60-140
15 Bromomethane	5.000	5.216	104.33	70-130
16 Chloroethane	5.000	4.651	93.02	70-130
17 ~ ethanol	24.55	23.77	96.82	70-130
18 Vinyl Bromide	5.000	4.826	96.52	60-140
19 2-methyl butane	5.000	4.586	91.71	70-130
20 Trichlorofluoromet	5.000	5.013	100.26	60-140
21 Acrolein	5.000	5.332	106.64	60-140
22 Acetonitrile	5.000	4.322	86.43	60-140
23 Acetone	5.000	4.673	93.46	60-140
25 Pentane	5.000	4.795	95.90	70-130
24 Isopropyl alcohol	5.000	4.393	87.86	60-140
26 Ethyl Ether	5.000	4.825	96.50	60-140
27 1,1-Dichloroethene	5.000	4.562	91.25	70-130
28 tert-butanol	5.000	4.343	86.87	60-140
29 Acrylonitrile	5.000	4.323	86.47	60-140
30 1,1,2-Trichlorotri	5.000	4.927	98.55	70-130
31 Methylene Chloride	5.000	4.560	91.21	70-130
32 3-Chloropropene	5.000	4.527	90.54	60-140
33 Carbon Disulfide	5.000	4.693	93.86	70-130
34 trans-1,2-Dichloro	5.000	4.679	93.58	70-130
35 ~ 2-Methyl Pentane	5.000	4.733	94.67	70-130
36 Methyl-t-Butyl Eth	5.000	4.420	88.40	60-140
37 1,1-Dichloroethane	5.000	4.644	92.87	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

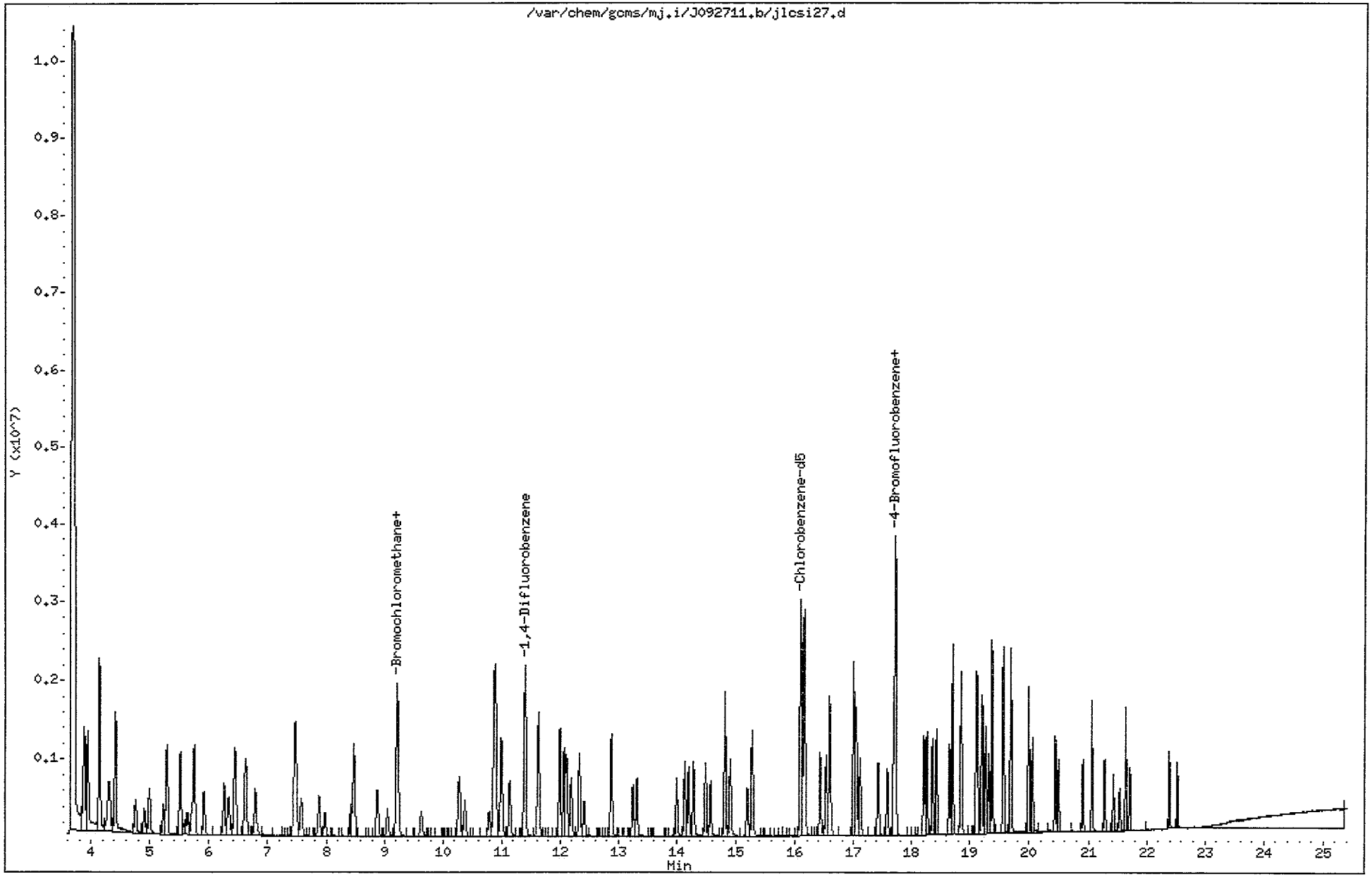
	SPIKE	COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
	38	Vinyl Acetate	5.000	4.393	87.86	60-140
	39	2-Butanone	5.000	4.254	85.09	60-140
	40	Hexane	5.000	4.339	86.78	70-130
	41	cis 1,2-Dichloroet	5.000	4.517	90.33	70-130
	42	Ethyl acetate	5.000	4.155	83.10	60-140
	43	Chloroform	5.000	4.518	90.36	70-130
	44	Tetrahydrofuran	5.000	4.278	85.56	60-140
	45	1,1,1-Trichloroeth	5.000	4.514	90.29	70-130
	46	1,2-Dichloroethane	5.000	4.599	91.98	70-130
	47	1-Butanol	5.000	3.643	72.87	60-140
	48	Benzene	5.000	4.272	85.44	70-130
	49	Cyclohexane	5.000	4.141	82.83	70-130
	50	Carbon Tetrachlori	5.000	4.729	94.57	70-130
	51	~ 2,3-dimethylpent	5.000	4.356	87.12	70-130
	52	~ Thiophene	5.000	4.568	91.36	70-130
	53	2,2,4-trimethylpen	5.000	4.237	84.74	70-130
	54	Heptane	5.000	4.162	83.23	70-130
	55	1,2-Dichloropropan	5.000	4.618	92.37	70-130
	56	Trichloroethene	5.000	3.858	77.15	70-130
	57	Dibromomethane	5.000	4.368	87.36	70-130
	58	Bromodichlorometha	5.000	4.577	91.55	70-130
	59	1,4-dioxane	5.000	4.376	87.51	60-140
	60	Methyl Methacrylat	5.000	3.925	78.50	60-140
	61	~ methyl cyclohexa	5.000	4.350	87.00	70-130
	62	4-Methyl-2-pentano	5.000	4.017	80.34	60-140
	63	cis-1,3-Dichloropr	5.000	4.727	94.53	70-130
	64	trans-1,3-Dichloro	5.000	4.585	91.69	70-130
	65	Toluene	5.000	4.251	85.03	70-130
	66	1,1,2-Trichloroeth	5.000	4.479	89.58	70-130
	67	~ 2-methyl thiophe	5.000	4.620	92.39	70-130
	68	~ 3-methyl thiophe	5.000	4.586	91.72	70-130
	69	2-Hexanone	5.000	3.840	76.80	60-140
	70	Octane	5.000	4.324	86.48	70-130
	71	Dibromochlorometha	5.000	4.718	94.36	70-130
	72	1,2-Dibromoethane	5.000	4.452	89.05	70-130
	73	Tetrachloroethene	5.000	4.122	82.45	70-130
	74	Chlorobenzene	5.000	4.290	85.81	70-130
	75	~ 2,3-dimethylhept	5.000	4.750	95.00	70-130
	76	Ethylbenzene	5.000	4.152	83.04	70-130
	77	~ 2-ethyl thiophen	5.000	4.484	89.67	70-130
	78	m&p-Xylene	10.00	8.236	82.36	70-130
M	83	Xylene (total)	15.00	12.28	81.84	70-130
	79	Nonane	5.000	4.615	92.29	60-140
	80	Bromoform	5.000	5.069	101.39	60-140
	81	Styrene	5.000	4.207	84.14	70-130
	82	o-Xylene	5.000	4.041	80.82	70-130
	84	1,1,2,2-Tetrachlor	5.000	4.223	84.45	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Report Date: 27-Sep-2011 16:56

	SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
85	1,2,3-Trichloropro	5.000	3.978	79.56	60-140
86	Cumene	5.000	4.090	81.80	70-130
87	n-Propylbenzene	5.000	4.006	80.12	70-130
88	2-chlorotoluene	5.000	4.340	86.79	70-130
89	4-Ethyltoluene	5.000	3.881	77.62	70-130
90	1,3,5-Trimethylben	5.000	3.912	78.23	70-130
91	Alpha-Methylstyren	5.000	3.956	79.12	60-140
92	Decane	5.000	4.726	94.52	60-140
93	tert-butylbenzene	5.000	3.990	79.80	70-130
94	1,2,4-Trimethylben	5.000	3.906	78.12	70-130
95	sec-butylbenzene	5.000	4.067	81.34	70-130
96	1,3-Dichlorobenzen	5.000	4.082	81.64	70-130
97	Benzyl Chloride	5.000	3.836	76.72	70-130
98	1,4-Dichlorobenzen	5.000	4.002	80.04	70-130
99	p-Cymene	5.000	3.939	78.78	70-130
100	~ 1,2,3- Trimethyl	5.000	3.998	79.96	70-130
101	~ n-butylcyclohexa	5.000	4.899	97.99	70-130
102	~ Indane	5.000	3.944	78.89	70-130
103	1,2-Dichlorobenzen	5.000	4.018	80.35	70-130
104	n-butylbenzene	5.000	3.911	78.22	60-140
105	~ Indene	5.000	3.927	78.54	70-130
106	Undecane	5.000	4.211	84.22	60-140
107	~ 1,2-dimethyl-4-e	5.000	4.060	81.19	70-130
108	~ 1,2,4,5-tetramet	5.000	4.124	82.49	70-130
109	~ 1,2,3,5-tetramet	5.000	4.587	91.75	70-130
110	~ 1,2,3,4-tetramet	5.000	4.306	86.11	70-130
111	Dodecane	5.000	4.721	94.42	60-140
112	1,2,4-Trichloroben	5.000	4.209	84.18	60-140
113	Napthalene	5.000	4.101	82.03	40-140
114	~ benzo(b) thiophe	5.000	4.169	83.39	70-130
115	Hexachlorobutadien	5.000	4.519	90.39	60-140
116	1,2,3-trichloroben	5.000	4.057	81.14	40-140
117	~ 2-Methylnaphthal	31.25	26.64	85.25	70-130
118	~ 1-Methylnaphthal	31.25	24.53	78.50	70-130

	SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4	4-Bromofluorobenze	10.00	10.15	101.51	70-130

Data File: /var/chem/gcms/mj.i/J092711.b/jlcsi27.d
Date : 27-SEP-2011 09:30
Client ID: CCV/LCS
Instrument: mj.i
Sample Info: MMQ4V1AC,,2,6,,CCV/LCS
Purge Volume: 200.0
Operator: 7126
Column phase: Rtx-5
Column diameter: 0.32



Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist LOT/Project # HI 230466

Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 12 & KNOX-MS-0023, Rev 0

Instrument:	~~MS~~ MJ	~~AH~~ 9/28/11		
Scanned File:	J082511F	J092611	J092711	

Review Items **A. Tune / Continuing Calibration**	N/A	Yes	No	Why is data reportable?	2nd
1. Were all samples injected within 24 hr of BFB?		✓			✓
2. Has a Continuing Calibration Checklist & run log been completed for each analytical batch **and scanned properly**?		✓			✓
3. Was the correct ICAL used for quantitation?		✓			✓
B. CLIENT SAMPLE AND QC SAMPLE Results	**N/A**	**Yes**	**No**	**Why is data reportable?**	
1. Were all special project requirements met?		✓			✓
2. Were samples received in cans?		✓		□ [Tedlar1] analyzed w/n 72 hours, □ [Tedlar2] X-fer within 72 hours.	✓
3. Can pressure/vac on receipt acceptable?		✓		□ see narrative	✓
4. Were dilution factors/can prep information verified?		✓			✓
5. Have the can number & lab ID been verified between the analysis log & sample prep log?		✓			✓
6. Sample analyses done within analytical holding time (HT)? *If no, list samples:* _____		✓		□ [ht2] Client requested analysis after HT expired. □ Other: _____	✓
7. Default sample volume verified?		✓			✓
8. Are surrogates and internal standards within QC limits? (60-140% R for surr.; 60-140%R from CCAL for IS) *If no, list samples/reason (e.g.,* **sur1***):* Sample / Reason / Sample / Reason		✓		□ [sur7] Obvious matrix effect □ **[sur12] high recovery, no hits.** □ [sur14] entire sample consumed □ **[is1] Per client, reanalysis was not performed *** □ [is2] Reanalysis confirmed a matrix effect.	✓
9. Were all positive results and false negatives on quan report verified to be correct in LIMS?		✓			✓
10. For dilutions, is highest concentration hit ≥ 20% cal range and not above calibration range? *List samples and reason (e.g.,* elev1*):* Sample / Reason / Sample / Reason: #2-5 / elev5			✓	□ [elev1] Elevated RL for due to sample matrix interferences. □ [elev3] Elevated RLs for all analytes due to difficult sample matrix. □ [elev4] Elevated RLs based on screening □ [elev5] Elevated RLs for all analytes due to presence of non-target compounds. □ [elev7] Elevated RLs due to sample volume	✓
11. If manual integrations were performed, are they clearly identified, initialed, dated and reason given & alternate hits verified.		✓		Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	✓
C. Preparation QC					
1. System blank run every 24 hours prior to samples?		✓			✓
2. System blank surrogate recoveries within QC limits (60-140% R) ?		✓		□ **[mb1] All sample surrogates OK and there is no analyte >RL in samples associated with blank.***	✓
3. Are all analytes present in the system blank < RL? (1/2 RL for DoD). *If no, list blank ID:* _____		✓		□ **[mb3] No analyte > RL in associated samples.*** □ **[mb4] Sample results > 10x higher than blank.**	✓
4. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for methanol and n-butanol) *If no, list DUP ID:*		✓			✓
5. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). Note: Ohio does not allow for ME.		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits but within marginal limits □ [lcs5] LCS outside marginal exceedences high, but analytes were not detected LCS ID: _____	✓
D. Other					
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, analysis dates correct.)		✓			✓
2. Are all nonconformances documented appropriately and copy included with deliverable?	✓				NA
4. Was a narrative prepared and all deviations noted?		✓		□ [1pt6]; □ [1pt11]; □ [1ptsur] □ [Extras]	✓
5. TO14A Autotext included in narrative (for TO14A samples only).	✓			□ [TO14]	NA
6. All target analytes on c.cal >30%D but passes LCS criteria noted in the narrative?	✓			□ [ccal] The ccal exhibited a %D ICAL >30% but passes LCS…list analytes on narrative.	NA

Analyst: ~~AH~~	**Date:** 9/28/11	**2nd Level Reviewer:**	**Date:** 09 28 11

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

□ see following page for comments.

*Such action must be taken in consultation with client.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/27/11
Time: 6:50:49

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

****
* *
* **QC BATCH: 1269182** *
* *
****

PREP DATE: 9/26/11
COMP DATE: 9/27/11

Volatile Organics by GC/MS TO-15 low-level
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/03/11	H1I230466-001 **MMN34-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H1I260000-182 **MMP71-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H1I260000-182 **MMP71-1-AC**C		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 3

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 9/27/11
Time: 14:29:07

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
_	_		_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

****
* *
* **QC BATCH: 1270165** *
* *
****

PREP DATE: 9/27/11
COMP DATE: 9/28/11

Reviewer/Date: _____ / 0/00/00

Volatile Organics by GC/MS TO-15 low-level
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	10/03/11	H1I230466-002 **MMN35-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	10/03/11	H1I230466-003 **MMN36-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	10/03/11	H1I230466-004 **MMN37-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	10/03/11	H1I230466-005 **MMN38-1-AD**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H1I270000-165 **MMQ4V-1-AA**B		88	7M	AIR	**500mL** 500.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H1I270000-165 **MMQ4V-1-AC**C		88	7M	AIR	**100mL** 100.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6

TestAmerica Knoxville
Can Dilution Worksheet

Lot: *H1I230466* **Initial**

W/O #	Barometer inches Hg	Knoxville mm Hg	P init inches	P init Abs,mm	P final psig	P final Abs,mm	Dilution Factor	
MMN 34	28.66	728.0	- 8.8	504.4	3.7	919.3	1.82	(34,DF*200=364)
MMN 35	28.66	728.0	- 8.0	524.8	4.1	940.0	1.79	(35,DF*200=358)
MMN 36	28.66	728.0	- 7.9	527.3	4.1	940.0	1.78	(36,DF*200=356)
MMN 37	28.66	728.0	- 9.5	486.7	3.7	919.3	1.89	(37,DF*200=378)
MMN 38	28.66	728.0	- 9.4	489.2	4.2	945.2	1.93	(38,DF*200=386)

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

TestAmerica Knoxville
Can Dilution Worksheet

H1I230466 **In-Can Dilution**

W/O #	Barometer inches Hg	Knoxville mm Hg	P final psig	P final Abs,mm	Dilution Factor (In Can)	Dilution Factor (Total)		
MMN 34	28.66	728.0	34.3	2501.8	3.44	6.26	(34)	(*1.82)
MMN 35								
MMN 36								
MMN 37								
MMN 38								

1 psig = 2.036 inch Hg
Pinit(Abs,mm)=(Pinit(inch)*25.4mm/inch)+Pbar(mm)
Pfinal(Abs,mm)=(Pfinal(psig)*2.036 (inch Hg/psig)*25.4 (mm/inch))+Pbar(mm)
dilution factor = Pfinal(Abs,mm)/Pinit(Abs,mm)
mm-Hg = in-Hg * 25.4

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H 112304 66

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	**Project Manager:** Jeremy Wolf	**Sampled By:** Christopher Finke	1 of 1 COCs
Company: O'Brien + Gere	Phone: 585-729-7535		
Address: 400 Andrews St. Suite 710	Site Contact: Tony Di Nardo 716-982-9838		
City/State/Zip Rochester NY 14604	TAL Contact:		
Phone: 585-263-2820			
FAX:			
Project Name: 24 Seneca #447362	**Analysis Turnaround Time**		
Site/location: 24 Seneca Rochester	Standard (Specify) X		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-8-245A-092111	9/21/11	1017	1417	-30.1"	-8.5	K296	04186	X											
SV-9-245A-092111	9/21/11	1018	1431	-30.0"	-8.4	K408	12494	X											
SV-10-245A-092111	9/21/11	1018	1443	-30.1"	-8.0"	K113B	62359N	X											
SV-11-245A-092111	9/21/11	1048	1459	-29.9"	-9.2"	K226	6607	X											
SV-12-245A-092111	9/21/11	1526	1526	-29.9"	-9.7"	K218	12823	X											

Sampled by : Christopher Finke

Temperature (Fahrenheit)	Interior	Ambient
Start	NA	55°F
Stop	NA	76°F

Pressure (inches of Hg)	Interior	Ambient
Start	NA	29.67
Stop	NA	29.62

1 Box Rec'd @ Ambient Temp without custody seal 9/23/11

1 Box FedEx # 8366 6748 3625

5 Cans / 5 Flows

Special Instructions/QC Requirements & Comments:

Please provide ppbv and ug/m^3 results in EDD.

Canisters Shipped by:	Date/Time: 9/22/11 1105	Canisters Received by: 9/23/11 10:00
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: H1I230466

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	NA
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; VOST: 10°C)	✓			☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____ ☐ **2c** Cooling initiated for recently collected samples, ice present.	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 86471 PM Instructions: MA

Sample Receiving Associate: [signature] Date: 9/23/11

QA026R22.doc, 012811

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H11230466*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
9/26/11	NA	28.66	MMN34	04186	-8.8	3.7	AB 9/26/11	x1	28.66	0	+34.3							9442
↓	↓	↓	MMN35	12484	-8.0	4.1												↓
↓	↓	↓	MMN36	62359N	-7.9	4.1												↓
↓	↓	↓	MMN37	6607	-9.5	3.7												9441
↓	↓	↓	MMN38	12823	-9.4	4.2												↓

TRIMATRIX LABORATORIES

September 16, 2011

Merit Laboratories, Inc.
Attn: Ms. Paula Shaw
2680 East Lansing Road
East Lansing, MI 48823

Project: Analytical Services

Dear Ms. Paula Shaw,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
1108412	08/25/2011	49791

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.01**	Sampled:	08/22/11 10:45
Lab Sample ID:	**1108412-01**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
*74-82-8	Methane	**130**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.01**	Sampled:	08/22/11 10:45
Lab Sample ID:	**1108412-01RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	4	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	4.0U	4.0	1.2
74-82-8	Methane	**130**	2.0	1.2
74-85-1	Ethylene	4.0U	4.0	1.1

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.02**	Sampled:	08/22/11 16:00
Lab Sample ID:	**1108412-02**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
74-82-8	Methane	**33**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.04**	Sampled:	08/23/11 09:35
Lab Sample ID:	**1108412-03**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**5.5**	1.0	0.31
*74-82-8	Methane	**74**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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Individual sample results relate only to the sample tested.
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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.04**	Sampled:	08/23/11 09:35
Lab Sample ID:	**1108412-03RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	2	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**5.0**	2.0	0.61
74-82-8	Methane	**83**	1.0	0.59
74-85-1	Ethylene	2.0U	2.0	0.55

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.07**	Sampled:	08/23/11 13:05
Lab Sample ID:	**1108412-04**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
74-82-8	Methane	**4.3**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.08**	Sampled:	08/23/11 15:50
Lab Sample ID:	**1108412-05**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**4.2**	1.0	0.31
*74-82-8	Methane	**290**	0.50	0.30
74-85-1	Ethylene	**3.4**	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108412**
Project:	Analytical Services	Description:	49791
Client Sample ID:	**49791.08**	Sampled:	08/23/11 15:50
Lab Sample ID:	**1108412-05RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 12:30
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	10	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	10U	10	3.1
74-82-8	Methane	**260**	5.0	3.0
74-85-1	Ethylene	10U	10	2.8

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1109364 Direct Injection/RSK-175									
Method Blank					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane			1.0 U			--		1.0	0.31
Methane			0.50 U			--		0.50	0.30
Ethylene			1.0 U			--		1.0	0.28
Laboratory Control Sample					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane		62.0	**66.6**	107	69-121	--	20	1.0	0.31
Methane		33.0	**34.7**	105	65-113	--	20	0.50	0.30
Ethylene		57.8	**62.1**	107	69-125	--	20	1.0	0.28
Laboratory Control Sample Duplicate					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane		62.0	**61.4**	99	69-121	8	20	1.0	0.31
Methane		33.0	**31.8**	96	65-113	9	20	0.50	0.30
Ethylene		57.8	**57.2**	99	69-125	8	20	1.0	0.28

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STATEMENT OF DATA QUALIFICATIONS

Dissolved Gases in Water by RSK-175 Headspace Analysis

Qualification: Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analysis: RSK-175

Sample/Analyte:
1108412-01 49791.01
1108412-01RE1 49791.01
1108412-02 49791.02
1108412-03 49791.04
1108412-03RE1 49791.04
1108412-04 49791.07
1108412-05 49791.08
1108412-05RE1 49791.08

Qualification: The analyte concentration in the sample exceeded the calibrated range of the instrument. The sample result is considered estimated.

Analysis: RSK-175

Sample/Analyte:		
1108412-01	49791.01	Methane
1108412-03	49791.04	Methane
1108412-05	49791.08	Methane

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E-1108412

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

27-7
62027

554W

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Paula Shaw
COMPANY: Merit Labs
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: Julie Teague ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 49791-
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☒ LEVEL III ☐ OTHER Full Validation

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Methane, Ethene, Ethane	SPECIAL INSTRUCTIONS/NOTES
01	8-22	1045	49791,01	Water	2		2						X	*Sub'd to Trimatrix
02	↓	1600	.02										X	*Please use New York NELAC procedures.
03	8-23	0935	.04										X	
04		1305	.07										X	* Report "J" Flags, Send EQUIS EDD and Full Validation QC report.
05	↓	1550	.08	↓	↓		↓						X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Paula Shaw	8-24-11	1600
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Wm Cole	8-25-11	1230

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS | NOTES: | TEMP. ON ARRIVAL _____

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Merit | Work Order #: 1108412
Receipt Record Page/Line #: 27.7 | New / Add To | Project Chemist | Sample #s

Recorded by (initials/date): WC 8.25.11

☑ Cooler ☐ Box ☐ Other ____ | Qty Received: 1

Thermometer Used: ☐ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#____) | ☐ See Additional Cooler Information Form

Cooler # ✓ | Time 1305

Custody Seals:
- ☑ None
- ☐ Present / Intact
- ☐ Present / Not Intact

Coolant Location:
- Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via:
- ☑ Loose Ice / Avg 2-3 containers
- ☐ Bagged Ice / Avg 2-3 containers
- ☐ Blue Ice / Avg 2-3 containers
- ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via:
- ☐ Temperature Blank (TB)
- ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1	2.6	-	2.6
2	2.6	-	2.6
3	3.3	-	3.3
Average °C			2.9

- ☐ Cooler ID on COC?
- ☐ VOC Trip Blank received?

Cooler # | Time

Custody Seals:
- ☐ None
- ☐ Present / Intact
- ☐ Present / Not Intact

Coolant Location:
- Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via:
- ☐ Loose Ice / Avg 2-3 containers
- ☐ Bagged Ice / Avg 2-3 containers
- ☐ Blue Ice / Avg 2-3 containers
- ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via:
- ☐ Temperature Blank (TB)
- ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

- ☐ Cooler ID on COC?
- ☐ VOC Trip Blank received?

Cooler # | Time

Custody Seals:
- ☐ None
- ☐ Present / Intact
- ☐ Present / Not Intact

Coolant Location:
- Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via:
- ☐ Loose Ice / Avg 2-3 containers
- ☐ Bagged Ice / Avg 2-3 containers
- ☐ Blue Ice / Avg 2-3 containers
- ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via:
- ☐ Temperature Blank (TB)
- ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

- ☐ Cooler ID on COC?
- ☐ VOC Trip Blank received?

Cooler # | Time

Custody Seals:
- ☐ None
- ☐ Present / Intact
- ☐ Present / Not Intact

Coolant Location:
- Dispersed / Top / Middle / Bottom

Coolant/Temperature Taken Via:
- ☐ Loose Ice / Avg 2-3 containers
- ☐ Bagged Ice / Avg 2-3 containers
- ☐ Blue Ice / Avg 2-3 containers
- ☐ None / Avg 2-3 containers

Alternate Temperature Taken Via:
- ☐ Temperature Blank (TB)
- ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			

- ☐ Cooler ID on COC?
- ☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By ____
	☑		Rec'd for Lab Signed/Date/Time?
☐	☑		Shipping document?
☑	☐		Other ____

COC ID #s

☐ TriMatrix

☑ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☐	☒	Sample ID matches COC?
☐	☒	Sample Date and Time matches COC?
☐		Container type completed on COC?
☐	☒	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☑	☐	☐	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☒	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☒	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☐ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☐ Green-tagged containers
- ☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
- ☑ NONE RECEIVED
- ☐ RECEIVED, COCs TO LAB(S)

Notes

- ☐ Trip Blank received ☐ Trip Blank not listed on COC
- ☐ No COC received, Proj. Chemist reviewed (Init/Date) ____
- ☐ No analysis requested, Proj. Chemist completed (Init/Date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
8.25.11 1230	8.25.11 1310	Yes / No

TRIMATRIX LABORATORIES

September 16, 2011

Merit Laboratories, Inc.
Attn: Ms. Paula Shaw
2680 East Lansing Road
East Lansing, MI 48823

Project: Analytical Services

Dear Ms. Paula Shaw,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
1108429	08/25/2011	49803

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.01**	Sampled:	08/24/11 07:35
Lab Sample ID:	**1108429-01**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
*74-82-8	Methane	**500**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.01**	Sampled:	08/24/11 07:35
Lab Sample ID:	**1108429-01RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	20	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	20U	20	6.1
74-82-8	Methane	**440**	10	5.9
74-85-1	Ethylene	20U	20	5.5

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.05**	Sampled:	08/24/11 12:50
Lab Sample ID:	**1108429-02**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
74-82-8	Methane	**3.7**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.06**	Sampled:	08/24/11 13:11
Lab Sample ID:	**1108429-03**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	1.0U	1.0	0.31
*74-82-8	Methane	**550**	0.50	0.30
74-85-1	Ethylene	**5.2**	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.06**	Sampled:	08/24/11 13:11
Lab Sample ID:	**1108429-03RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	20	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	20U	20	6.1
74-82-8	Methane	**820**	10	5.9
74-85-1	Ethylene	20U	20	5.5

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.08**	Sampled:	08/24/11 15:35
Lab Sample ID:	**1108429-04**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	1	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**5.2**	1.0	0.31
*74-82-8	Methane	**2100**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108429**
Project:	Analytical Services	Description:	49803
Client Sample ID:	**49803.08**	Sampled:	08/24/11 15:35
Lab Sample ID:	**1108429-04RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/25/11 17:40
Unit:	ug/L	Prepared:	08/31/11 By: JMF
Dilution Factor:	200	Analyzed:	08/31/11 By: JMF
QC Batch:	1109364	Analytical Batch:	1I01010

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	200U	200	61
74-82-8	Methane	**5500**	100	59
74-85-1	Ethylene	200U	200	55

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1109364 Direct Injection/RSK-175									
Method Blank					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane			1.0 U			--		1.0	0.31
Methane			0.50 U			--		0.50	0.30
Ethylene			1.0 U			--		1.0	0.28
Laboratory Control Sample					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane		62.0	**66.6**	107	69-121	--	20	1.0	0.31
Methane		33.0	**34.7**	105	65-113	--	20	0.50	0.30
Ethylene		57.8	**62.1**	107	69-125	--	20	1.0	0.28
Laboratory Control Sample Duplicate					Analyzed:	08/31/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I01010			
Ethane		62.0	**61.4**	99	69-121	8	20	1.0	0.31
Methane		33.0	**31.8**	96	65-113	9	20	0.50	0.30
Ethylene		57.8	**57.2**	99	69-125	8	20	1.0	0.28

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STATEMENT OF DATA QUALIFICATIONS

Dissolved Gases in Water by RSK-175 Headspace Analysis

Qualification: Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analysis: RSK-175

Sample/Analyte:
1108429-01 49803.01
1108429-01RE1 49803.01
1108429-02 49803.05
1108429-03 49803.06
1108429-03RE1 49803.06
1108429-04 49803.08
1108429-04RE1 49803.08

Qualification: The analyte concentration in the sample exceeded the calibrated range of the instrument. The sample result is considered estimated.

Analysis: RSK-175

Sample/Analyte:		
1108429-01	49803.01	Methane
1108429-03	49803.06	Methane
1108429-04	49803.08	Methane

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E-1108429

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

62033

#09096

CHAIN OF CUSTODY RECORD (28-27) #96-White

REPORT TO

CONTACT NAME: Paula Shaw
COMPANY: Merit Labs
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: Julie Teague ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 49803
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☒ LEVEL III ☐ OTHER Full Validation

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	ANALYSIS: Methane, Ethane, Ethene
04-01	8-24	0735	49803.01	Water	2		2						X
-02		1250	.05										X
-03		1311	.06										X
-04		1535	.08										X

SPECIAL INSTRUCTIONS/NOTES

*Sub'd to Trimatrix

*Please use New York NELAC procedures

*Report "J" Flags
Send EQUIS EDD and Full Validation QC Report.

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Paula Shaw	8-24-11	1600
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
D. Hardin / TRIMATRIX	8/25/11	1740

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: MERIT | Work Order #: 1108429
Receipt Record Page/Line #: 28-27 | New / Add To | Project Chemist | Sample #s

Recorded by (initials/date): DN 8/25/11

☑ Cooler ☐ Box ☐ Other _____ | Qty Received: 1

☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) | Thermometer Used | ☐ See Additional Cooler Information Form

Cooler # RTI	Time 2250	Cooler #	Time	Cooler #	Time	Cooler #	Time
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	
Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom	
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers		Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers		Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers		Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	
Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container		Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container		Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container		Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	
Recorded °C / Correction Factor °C / Actual °C		Recorded °C / Correction Factor °C / Actual °C		Recorded °C / Correction Factor °C / Actual °C		Recorded °C / Correction Factor °C / Actual °C	
Temp Blank:		Temp Blank:		Temp Blank:		Temp Blank:	
TB location: Representative / Not Representative		TB location: Representative / Not Representative		TB location: Representative / Not Representative		TB location: Representative / Not Representative	
1 5.9 / 0 / 5.9		1 / /		1 / /		1 / /	
2 3.4 / 0 / 3.4		2 / /		2 / /		2 / /	
3 2.2 / 0 / 2.2		3 / /		3 / /		3 / /	
Average °C 5.2		Average °C		Average °C		Average °C	
☐ Cooler ID on COC? ☐ VOC Trip Blank received?		☐ Cooler ID on COC? ☐ VOC Trip Blank received?		☐ Cooler ID on COC? ☐ VOC Trip Blank received?		☐ Cooler ID on COC? ☐ VOC Trip Blank received?	

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other _____

COC ID #s

☑ TriMatrix #09096

☑ Other (Name or ID#) MERIT

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☑	☐	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐		Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 8/25/11	DN 8/25/11	Yes / No

TRIMATRIX LABORATORIES

September 13, 2011

Merit Laboratories, Inc.
Attn: Ms. Paula Shaw
2680 East Lansing Road
East Lansing, MI 48823

Project: Analytical Services

Dear Ms. Paula Shaw,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
1108469	08/30/2011	S49814

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.01**	Sampled:	08/25/11 08:52
Lab Sample ID:	**1108469-01**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	1	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**1.4**	1.0	0.31
*74-82-8	Methane	**410**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.01**	Sampled:	08/25/11 08:52
Lab Sample ID:	**1108469-01RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	10	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	10U	10	3.1
74-82-8	Methane	**380**	5.0	3.0
74-85-1	Ethylene	10U	10	2.8

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.03**	Sampled:	08/25/11 11:50
Lab Sample ID:	**1108469-02**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	1	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**2.0**	1.0	0.31
*74-82-8	Methane	**520**	0.50	0.30
74-85-1	Ethylene	**15**	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.03**	Sampled:	08/25/11 11:50
Lab Sample ID:	**1108469-02RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	10	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**4.1J**	10	3.1
74-82-8	Methane	**480**	5.0	3.0
74-85-1	Ethylene	**14**	10	2.8

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.06**	Sampled:	08/25/11 15:58
Lab Sample ID:	**1108469-03**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	1	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**0.92J**	1.0	0.31
*74-82-8	Methane	**120**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108469**
Project:	Analytical Services	Description:	S49814
Client Sample ID:	**S49814.06**	Sampled:	08/25/11 15:58
Lab Sample ID:	**1108469-03RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	4	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	4.0U	4.0	1.2
74-82-8	Methane	**100**	2.0	1.2
74-85-1	Ethylene	4.0U	4.0	1.1

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1109547 Direct Injection/RSK-175									
Method Blank					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane			1.0 U			--		1.0	0.31
Methane			0.50 U			--		0.50	0.30
Ethylene			1.0 U			--		1.0	0.28
Laboratory Control Sample					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane		62.0	**59.6**	96	69-121	--	20	1.0	0.31
Methane		33.0	**32.0**	97	65-113	--	20	0.50	0.30
Ethylene		57.8	**56.8**	98	69-125	--	20	1.0	0.28
Laboratory Control Sample Duplicate					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane		62.0	**60.0**	97	69-121	0.6	20	1.0	0.31
Methane		33.0	**31.7**	96	65-113	0.8	20	0.50	0.30
Ethylene		57.8	**57.0**	99	69-125	0.2	20	1.0	0.28

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STATEMENT OF DATA QUALIFICATIONS

Dissolved Gases in Water by RSK-175 Headspace Analysis

Qualification: Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analysis: RSK-175

Sample/Analyte:
1108469-01 S49814.01
1108469-01RE1 S49814.01
1108469-02 S49814.03
1108469-02RE1 S49814.03
1108469-03 S49814.06
1108469-03RE1 S49814.06

Qualification: The analyte concentration in the sample exceeded the calibrated range of the instrument. The sample result is considered estimated.

Analysis: RSK-175

Sample/Analyte:		
1108469-01	S49814.01	Methane
1108469-02	S49814.03	Methane
1108469-03	S49814.06	Methane

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Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # _____ OF _____

62332

1108469

CHAIN OF CUSTODY RECORD 711 White 35-13

REPORT TO

CONTACT NAME: Andy Ball / Paula Shaw
COMPANY: Merit Labs
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: andyball@meritlabs.com / paulashaw@meritlabs.com QUOTE NO.:

INVOICE TO

CONTACT NAME: Julie Teague ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: S49814
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☒ LEVEL III ☐ OTHER Full Validation

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR 2011 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Methane, Ethane, Ethene
01	08/25	08:52	S49814.01	L	2		X						X
02	08/25	11:50	.03	↓	↓		↓						↓
03	08/25	15:58	.06	↓	↓		↓						↓

SPECIAL INSTRUCTIONS/NOTES
*Sub'd to Tri-Matrix
*Please use New York NELAC procedures
*Report "J" flags
*Send Equis EDD and Full Validation QC Report.

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Andrew Ball	29Aug11	1530
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Tri Matrix	8/30/11	1230

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS | NOTES: TEMP. ON ARRIVAL 4.3°C

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Merit
Receipt Record Page/Line #: 35-12 13
Work Order #: 1108469
New / Add To
Project Chemist | Sample #s

Recorded by (initials/date): LR 8/30/11

Cooler ☑ | Box ☐ | Other ☐ _____
Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (# _____)
☐ See Additional Cooler Information Form

Cooler # —	Cooler #	Cooler #	Cooler #
Time	Time	Time	Time
Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact	Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers	Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers
Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container	Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container
Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C	Recorded °C / Correction Factor °C / Actual °C
Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative	TB location: Representative / Not Representative
1 4.4 — 4.4	1	1	1
2 4.2 — 4.2	2	2	2
3 4.3 — 4.3	3	3	3
Average °C: 4.3	Average °C	Average °C	Average °C
☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?	☐ Cooler ID on COC?
☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?	☐ VOC Trip Blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☐	☑	☐	Shipping document?
☑	☐		Other _____

COC ID #s

☐ TriMatrix

☑ Other (Name or ID#) _____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	■	Sample ID matches COC?
☑	■	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	■	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	☑	Broken containers/lids?
	■	☑	Missing or incomplete labels?
	■	☑	Illegible information on labels?
	■	☑	Low volume received?
	■	☑	Inappropriate containers received?
☐	■	☑	VOC vials / TOX containers have headspace?
☐	■	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	■	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	■	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
8/30/11 1230	8/30/11 1424	Yes / No

TRIMATRIX LABORATORIES

September 13, 2011

Merit Laboratories, Inc.
Attn: Ms. Paula Shaw
2680 East Lansing Road
East Lansing, MI 48823

Project: Analytical Services

Dear Ms. Paula Shaw,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
1108468	08/30/2011	S49841

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

This report shall not be reproduced, except in full, without written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108468**
Project:	Analytical Services	Description:	S49841
Client Sample ID:	**S49841.01**	Sampled:	08/26/11 07:30
Lab Sample ID:	**1108468-01**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	1	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**1.4**	1.0	0.31
74-82-8	Methane	**5.6**	0.50	0.30
74-85-1	Ethylene	1.0U	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108468**
Project:	Analytical Services	Description:	S49841
Client Sample ID:	**S49841.02**	Sampled:	08/26/11 09:21
Lab Sample ID:	**1108468-02**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	1	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**2.1**	1.0	0.31
*74-82-8	Methane	**76**	0.50	0.30
74-85-1	Ethylene	**3.7**	1.0	0.28

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Merit Laboratories, Inc.**	Work Order:	**1108468**
Project:	Analytical Services	Description:	S49841
Client Sample ID:	**S49841.02**	Sampled:	08/26/11 09:21
Lab Sample ID:	**1108468-02RE1**	Sampled By:	Client
Matrix:	Water	Received:	08/30/11 12:30
Unit:	ug/L	Prepared:	09/07/11 By: JMF
Dilution Factor:	2	Analyzed:	09/07/11 By: JMF
QC Batch:	1109547	Analytical Batch:	1I07028

*Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL	MDL
74-84-0	Ethane	**1.8J**	2.0	0.61
74-82-8	Methane	**72**	1.0	0.59
74-85-1	Ethylene	**3.2**	2.0	0.55

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	MDL
QC Batch: 1109547 Direct Injection/RSK-175									
Method Blank					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane			1.0 U			--		1.0	0.31
Methane			0.50 U			--		0.50	0.30
Ethylene			1.0 U			--		1.0	0.28
Laboratory Control Sample					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane		62.0	**59.6**	96	69-121	--	20	1.0	0.31
Methane		33.0	**32.0**	97	65-113	--	20	0.50	0.30
Ethylene		57.8	**56.8**	98	69-125	--	20	1.0	0.28
Laboratory Control Sample Duplicate					Analyzed:	09/07/2011	By: JMF		
Unit: ug/L					Analytical Batch:	1I07028			
Ethane		62.0	**60.0**	97	69-121	0.6	20	1.0	0.31
Methane		33.0	**31.7**	96	65-113	0.8	20	0.50	0.30
Ethylene		57.8	**57.0**	99	69-125	0.2	20	1.0	0.28

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STATEMENT OF DATA QUALIFICATIONS

Dissolved Gases in Water by RSK-175 Headspace Analysis

Qualification: Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analysis: RSK-175

Sample/Analyte: 1108468-01 S49841.01
1108468-02 S49841.02
1108468-02RE1 S49841.02

Qualification: The analyte concentration in the sample exceeded the calibrated range of the instrument. The sample result is considered estimated.

Analysis: RSK-175

Sample/Analyte: 1108468-02 S49841.02 Methane

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Individual sample results relate only to the sample tested.
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Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # _____ OF _____

62334

i108468

CHAIN OF CUSTODY RECORD

484 White 35-12

REPORT TO

CONTACT NAME: Andy Ball / Paula Shaw
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: andyball@meritlabs.com/paulashaw@meritlabs.com QUOTE NO.:

INVOICE TO

CONTACT NAME: Julie Teague ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: S49841
SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR X STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II (X) LEVEL III ☐ OTHER Full Validation

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID
SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR 2011 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Methane, Ethane Ethene
	08/26	07:30	S49841.01	L	2		X						X
	08/26	09:21	.02	↓	↓		↓						↓

SPECIAL INSTRUCTIONS/NOTES

~~*PT~~
*Subcd to Tri Matrix

*PLEASE USE New York NELAC approved procedures

* Report "J"-flags
* Send Equis EDD and Full Validation QC Report.

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Andrew Ball	29Aug11	1530
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Tom Romyn TriMatrix	8/30/11	1230
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.8°C

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: Merit
Receipt Record Page/Line #: 35-12
Work Order #: New / Add To: 1108468
Project Chemist | Sample #s

Recorded by (initials/date): LR 8/30/11

Cooler ☑ | Box ☐ | Other ☐ _____ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C
—		☑ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:		
						TB location: Representative / Not Representative		
						1 4.4	—	4.4
						2 4.2	—	4.2
						3 4.3	—	4.3
							Average °C	4.3
		☐ Cooler ID on COC? ☐ VOC Trip Blank received?						

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:		
						TB location: Representative / Not Representative		
						1		
						2		
						3		
							Average °C	
		☐ Cooler ID on COC? ☐ VOC Trip Blank received?						

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:		
						TB location: Representative / Not Representative		
						1		
						2		
						3		
							Average °C	
		☐ Cooler ID on COC? ☐ VOC Trip Blank received?						

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:		
						TB location: Representative / Not Representative		
						1		
						2		
						3		
							Average °C	
		☐ Cooler ID on COC? ☐ VOC Trip Blank received?						

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By _____
	☑		Rec'd for Lab Signed/Date/Time?
☐	☑	☐	Shipping document?
☑	☐		Other _____

COC ID #s

☐ TriMatrix

☑ Other (Name or ID#)_____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate containers received?
☐	☑	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

DN 8/30/11

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) _____
☐ No analysis requested, Proj. Chemist completed (Init/Date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
8/30/11 1230	8/30/11 1424	Yes / No

Analytical Laboratory Report

Report ID: S49541.01(01)
Generated on 08/16/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49541.01-S49541.18
Project: 47362/ 24 Seneca
Collected Date: 07/28/2011 - 08/01/2011
Submitted Date/Time: 08/02/2011 09:35
Sampled by: Jeremy Wolf/ Logan
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (18 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49541.01	SB-46-080111 (2-4')	Soil	08/01/2011 11:30
S49541.02	SB-45-080111 (8-10.5')	Soil	08/01/2011 12:20
S49541.03	SB-47-080111 (4-6')	Soil	08/01/2011 13:30
S49541.04	SB-44-080111 (6-8')	Soil	08/01/2011 14:15
S49541.05	SB-44-080111 (6-8') MS	Soil	08/01/2011 14:15
S49541.06	SB-44-080111 (6-8') MSD	Soil	08/01/2011 14:15
S49541.07	EB-SB-43-080111	Water	08/01/2011 14:00
S49541.08	SB-43-080111 (0-2')	Soil	08/01/2011 15:00
S49541.09	Dup-080111	Soil	08/01/2011 08:00
S49541.10	SB-37-080111 (2-4')	Soil	08/01/2011 16:30
S49541.11	DW-2-072811 (sed)	Soil	07/28/2011 09:55
S49541.12	DW-3-072811 (sed)	Soil	07/28/2011 09:38
S49541.13	DW-4-072811 (sed)	Soil	07/28/2011 08:55
S49541.14	DW-2-072811 (sed) MS	Soil	07/28/2011 09:55
S49541.15	DW-2-072811 (sed) MSD	Soil	07/28/2011 09:55
S49541.16	Dup-072811 (sed)	Soil	07/28/2011 08:00
S49541.17	EB-DW-2-072811 (sed)	Water	07/28/2011 10:30
S49541.18	Trip Blank	Water	07/28/2011 00:01

Lab Sample ID: S49541.01
Sample Tag: SB-46-080111 (2-4')
Collected Date/Time: 08/01/2011 11:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/02/11 21:01	DLR		
Inorganics								
Total Solids	82	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 18:19	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	53-70-3	

Lab Sample ID: S49541.01 (continued)
Sample Tag: SB-46-080111 (2-4')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 18:19	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	88-06-2	

Lab Sample ID: S49541.02
Sample Tag: SB-45-080111 (8-10.5')
Collected Date/Time: 08/01/2011 12:20
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 18:53	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	53-70-3	

Lab Sample ID: S49541.02 (continued)
Sample Tag: SB-45-080111 (8-10.5')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 18:53	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	88-06-2	

Lab Sample ID: S49541.03
Sample Tag: SB-47-080111 (4-6')
Collected Date/Time: 08/01/2011 13:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	100-52-7	
Benzo(a)anthracene	670	ug/kg	330	8270C	08/09/11 20:02	PL	56-55-3	
Benzo(a)pyrene	640	ug/kg	330	8270C	08/09/11 20:02	PL	50-32-8	
Benzo(b)fluoranthene	580	ug/kg	330	8270C	08/09/11 20:02	PL	205-99-2	
Benzo(ghi)perylene	400	ug/kg	330	8270C	08/09/11 20:02	PL	191-24-2	
Benzo(k)fluoranthene	550	ug/kg	330	8270C	08/09/11 20:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	108-60-1	
Chrysene	950	ug/kg	330	8270C	08/09/11 20:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	84-66-2	

Lab Sample ID: S49541.03 (continued)
Sample Tag: SB-47-080111 (4-6')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	550	ug/kg	330	8270C	08/09/11 20:02	PL	117-81-7	B
Fluoranthene	1,250	ug/kg	330	8270C	08/09/11 20:02	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	330	ug/kg	330	8270C	08/09/11 20:02	PL	193-39-5	J
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 20:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	87-86-5	
Phenanthrene	640	ug/kg	330	8270C	08/09/11 20:02	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	108-95-2	
Pyrene	1,410	ug/kg	330	8270C	08/09/11 20:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 20:02	PL		
Pyrene	Completed			8270C	08/09/11 20:02	PL	129-00-0	
Fluoranthene	Completed			8270C	08/09/11 20:02	PL	206-44-0	
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 20:02	PL	117-81-7	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 20:02	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 20:02	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 20:02	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 20:02	PL		
Chrysene	Completed			8270C	08/09/11 20:02	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 20:02	PL	56-55-3	
Phenanthrene	Completed			8270C	08/09/11 20:02	PL	85-01-8	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.04
Sample Tag: SB-44-080111 (6-8')
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/10/11 19:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	53-70-3	

Lab Sample ID: S49541.04 (continued)
Sample Tag: SB-44-080111 (6-8')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 19:45	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49541.05
Sample Tag: SB-44-080111 (6-8') MS
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,278.6	ug/kg	330	8270C	08/10/11 20:19	PL	83-32-9	1
Acenaphthylene	1,370	ug/kg	330	8270C	08/10/11 20:19	PL	208-96-8	1
Acetophenone	1,196.2	ug/kg	330	8270C	08/10/11 20:19	PL	98-86-2	1
Anthracene	1,360	ug/kg	330	8270C	08/10/11 20:19	PL	120-12-7	1
Atrazine	1,579.0	ug/kg	330	8270C	08/10/11 20:19	PL	1912-24-9	1
1,1'-Biphenyl	1,229.2	ug/kg	330	8270C	08/10/11 20:19	PL	92-52-4	1
4-Bromophenyl phenyl ether	1,368	ug/kg	330	8270C	08/10/11 20:19	PL	101-55-3	1
di-n-Butyl phthalate	1,477	ug/kg	330	8270C	08/10/11 20:19	PL	84-74-2	1B
Benzaldehyde	1,022	ug/kg	330	8270C	08/10/11 20:19	PL	100-52-7	1
Benzo(a)anthracene	1,407	ug/kg	330	8270C	08/10/11 20:19	PL	56-55-3	1
Benzo(a)pyrene	1,339	ug/kg	330	8270C	08/10/11 20:19	PL	50-32-8	1
Benzo(b)fluoranthene	1,367	ug/kg	330	8270C	08/10/11 20:19	PL	205-99-2	1
Benzo(ghi)perylene	1,087	ug/kg	330	8270C	08/10/11 20:19	PL	191-24-2	1
Benzo(k)fluoranthene	1,313	ug/kg	330	8270C	08/10/11 20:19	PL	207-08-9	1
Butyl benzyl phthalate	1,490	ug/kg	330	8270C	08/10/11 20:19	PL	85-68-7	1
2-Chloronaphthalene	1,233.9	ug/kg	330	8270C	08/10/11 20:19	PL	91-58-7	1
2-Chlorophenol	1,173.9	ug/kg	330	8270C	08/10/11 20:19	PL	95-57-8	1
4-Chloro-3-methylphenol	1,390.7	ug/kg	330	8270C	08/10/11 20:19	PL	59-50-7	1
4-Chloroaniline	1,206	ug/kg	670	8270C	08/10/11 20:19	PL	106-47-8	1
4-Chlorophenyl phenyl ether	1,359	ug/kg	330	8270C	08/10/11 20:19	PL	7005-72-3	1
Caprolactam	1,373.1	ug/kg	330	8270C	08/10/11 20:19	PL	105-60-2	1
Carbazole	1,376	ug/kg	330	8270C	08/10/11 20:19	PL	86-74-8	1
bis(2-Chloroethoxy)methane	1,193	ug/kg	330	8270C	08/10/11 20:19	PL	111-91-1	1
bis(2-Chloroethyl)ether	1,149	ug/kg	330	8270C	08/10/11 20:19	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	1,123	ug/kg	330	8270C	08/10/11 20:19	PL	108-60-1	1
Chrysene	1,755	ug/kg	330	8270C	08/10/11 20:19	PL	218-01-9	1
2,4-Dichlorophenol	1,248.0	ug/kg	330	8270C	08/10/11 20:19	PL	120-83-2	1
2,4-Dimethylphenol	1,212	ug/kg	330	8270C	08/10/11 20:19	PL	105-67-9	1
2,4-Dinitrophenol	380.4	ug/kg	670	8270C	08/10/11 20:19	PL	51-28-5	J1
2,4-Dinitrotoluene	1,453.9	ug/kg	330	8270C	08/10/11 20:19	PL	121-14-2	1
2,6-Dinitrotoluene	1,396.6	ug/kg	330	8270C	08/10/11 20:19	PL	606-20-2	1
3,3'-Dichlorobenzidine	1,235	ug/kg	670	8270C	08/10/11 20:19	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	1,186	ug/kg	670	8270C	08/10/11 20:19	PL	534-52-1	1

1-Dry Weight Spike: 1.96 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.05 (continued)
Sample Tag: SB-44-080111 (6-8') MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	1,255	ug/kg	330	8270C	08/10/11 20:19	PL	53-70-3	1
Dibenzofuran	1,347.6	ug/kg	330	8270C	08/10/11 20:19	PL	132-64-9	1
Diethyl phthalate	1,483	ug/kg	330	8270C	08/10/11 20:19	PL	84-66-2	1B
Dimethyl phthalate	1,407	ug/kg	330	8270C	08/10/11 20:19	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,684	ug/kg	330	8270C	08/10/11 20:19	PL	117-81-7	1B
Fluoranthene	1,392	ug/kg	330	8270C	08/10/11 20:19	PL	206-44-0	1
Fluorene	1,373	ug/kg	330	8270C	08/10/11 20:19	PL	86-73-7	1
Hexachlorobenzene	1,409	ug/kg	330	8270C	08/10/11 20:19	PL	118-74-1	1
Hexachlorobutadiene	1,100	ug/kg	330	8270C	08/10/11 20:19	PL	87-68-3	1
Hexachlorocyclopentadiene	968	ug/kg	330	8270C	08/10/11 20:19	PL	77-47-4	1
Hexachloroethane	1,072.3	ug/kg	330	8270C	08/10/11 20:19	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,184	ug/kg	330	8270C	08/10/11 20:19	PL	193-39-5	1
Isophorone	1,267	ug/kg	330	8270C	08/10/11 20:19	PL	78-59-1	1
2-Methylnaphthalene	1,233	ug/kg	330	8270C	08/10/11 20:19	PL	91-57-6	1
2-Methylphenol	1,230	ug/kg	330	8270C	08/10/11 20:19	PL	95-48-7	1
3-, 4-Methylphenol	1,270	ug/kg	330	8270C	08/10/11 20:19	PL	3/4-Cresol	1
2-Nitroaniline	1,355.1	ug/kg	670	8270C	08/10/11 20:19	PL	88-74-4	1
2-Nitrophenol	1,236	ug/kg	330	8270C	08/10/11 20:19	PL	88-75-5	1
3-Nitroaniline	1,328.0	ug/kg	670	8270C	08/10/11 20:19	PL	99-09-2	1
4-Nitroaniline	1,400	ug/kg	670	8270C	08/10/11 20:19	PL	100-01-6	1
4-Nitrophenol	1,364	ug/kg	670	8270C	08/10/11 20:19	PL	100-02-7	1
N-Nitrosodi-n-propylamine	1,264	ug/kg	330	8270C	08/10/11 20:19	PL	621-64-7	1
N-Nitrosodiphenylamine	612.6	ug/kg	330	8270C	08/10/11 20:19	PL	86-30-6	1
Naphthalene	1,171	ug/kg	330	8270C	08/10/11 20:19	PL	91-20-3	1
Nitrobenzene	1,177.8	ug/kg	200	8270C	08/10/11 20:19	PL	98-95-3	1
di-n-Octyl phthalate	1,558	ug/kg	330	8270C	08/10/11 20:19	PL	117-84-0	1
Pentachlorophenol	1,175.0	ug/kg	670	8270C	08/10/11 20:19	PL	87-86-5	1
Phenanthrene	1,421	ug/kg	330	8270C	08/10/11 20:19	PL	85-01-8	1
Phenol	1,211.5	ug/kg	330	8270C	08/10/11 20:19	PL	108-95-2	1
Pyrene	1,441	ug/kg	330	8270C	08/10/11 20:19	PL	129-00-0	1
2,4,5-Trichlorophenol	1,369	ug/kg	330	8270C	08/10/11 20:19	PL	95-95-4	1
2,4,6-Trichlorophenol	1,298	ug/kg	330	8270C	08/10/11 20:19	PL	88-06-2	1

1-Dry Weight Spike: 1.96 mg/kg
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49541.06
Sample Tag: SB-44-080111 (6-8') MSD
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,445.6	ug/kg	330	8270C	08/10/11 20:52	PL	83-32-9	1
Acenaphthylene	1,525	ug/kg	330	8270C	08/10/11 20:52	PL	208-96-8	1
Acetophenone	1,330.4	ug/kg	330	8270C	08/10/11 20:52	PL	98-86-2	1
Anthracene	1,576	ug/kg	330	8270C	08/10/11 20:52	PL	120-12-7	1
Atrazine	1,638.6	ug/kg	330	8270C	08/10/11 20:52	PL	1912-24-9	1
1,1'-Biphenyl	1,370.4	ug/kg	330	8270C	08/10/11 20:52	PL	92-52-4	1
4-Bromophenyl phenyl ether	1,441	ug/kg	330	8270C	08/10/11 20:52	PL	101-55-3	1
di-n-Butyl phthalate	1,575	ug/kg	330	8270C	08/10/11 20:52	PL	84-74-2	1B
Benzaldehyde	1,147	ug/kg	330	8270C	08/10/11 20:52	PL	100-52-7	1
Benzo(a)anthracene	1,729	ug/kg	330	8270C	08/10/11 20:52	PL	56-55-3	1
Benzo(a)pyrene	1,620	ug/kg	330	8270C	08/10/11 20:52	PL	50-32-8	1
Benzo(b)fluoranthene	1,600	ug/kg	330	8270C	08/10/11 20:52	PL	205-99-2	1
Benzo(ghi)perylene	1,188	ug/kg	330	8270C	08/10/11 20:52	PL	191-24-2	1
Benzo(k)fluoranthene	1,609	ug/kg	330	8270C	08/10/11 20:52	PL	207-08-9	1
Butyl benzyl phthalate	1,606	ug/kg	330	8270C	08/10/11 20:52	PL	85-68-7	1
2-Chloronaphthalene	1,375.4	ug/kg	330	8270C	08/10/11 20:52	PL	91-58-7	1
2-Chlorophenol	1,309.9	ug/kg	330	8270C	08/10/11 20:52	PL	95-57-8	1
4-Chloro-3-methylphenol	1,510.3	ug/kg	330	8270C	08/10/11 20:52	PL	59-50-7	1
4-Chloroaniline	1,293	ug/kg	670	8270C	08/10/11 20:52	PL	106-47-8	1
4-Chlorophenyl phenyl ether	1,489	ug/kg	330	8270C	08/10/11 20:52	PL	7005-72-3	1
Caprolactam	1,430.9	ug/kg	330	8270C	08/10/11 20:52	PL	105-60-2	1
Carbazole	1,513	ug/kg	330	8270C	08/10/11 20:52	PL	86-74-8	1
bis(2-Chloroethoxy)methane	1,323	ug/kg	330	8270C	08/10/11 20:52	PL	111-91-1	1
bis(2-Chloroethyl)ether	1,269	ug/kg	330	8270C	08/10/11 20:52	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	1,268	ug/kg	330	8270C	08/10/11 20:52	PL	108-60-1	1
Chrysene	2,150	ug/kg	330	8270C	08/10/11 20:52	PL	218-01-9	1
2,4-Dichlorophenol	1,392.1	ug/kg	330	8270C	08/10/11 20:52	PL	120-83-2	1
2,4-Dimethylphenol	1,381	ug/kg	330	8270C	08/10/11 20:52	PL	105-67-9	1
2,4-Dinitrophenol	480.3	ug/kg	670	8270C	08/10/11 20:52	PL	51-28-5	J1
2,4-Dinitrotoluene	1,547.9	ug/kg	330	8270C	08/10/11 20:52	PL	121-14-2	1
2,6-Dinitrotoluene	1,489.4	ug/kg	330	8270C	08/10/11 20:52	PL	606-20-2	1
3,3'-Dichlorobenzidine	1,315	ug/kg	670	8270C	08/10/11 20:52	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	1,224	ug/kg	670	8270C	08/10/11 20:52	PL	534-52-1	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.06 (continued)
Sample Tag: SB-44-080111 (6-8') MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	1,297	ug/kg	330	8270C	08/10/11 20:52	PL	53-70-3	1
Dibenzofuran	1,501.8	ug/kg	330	8270C	08/10/11 20:52	PL	132-64-9	1
Diethyl phthalate	1,570	ug/kg	330	8270C	08/10/11 20:52	PL	84-66-2	1B
Dimethyl phthalate	1,496	ug/kg	330	8270C	08/10/11 20:52	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,833	ug/kg	330	8270C	08/10/11 20:52	PL	117-81-7	1B
Fluoranthene	2,083	ug/kg	330	8270C	08/10/11 20:52	PL	206-44-0	1
Fluorene	1,538.6	ug/kg	330	8270C	08/10/11 20:52	PL	86-73-7	1
Hexachlorobenzene	1,503	ug/kg	330	8270C	08/10/11 20:52	PL	118-74-1	1
Hexachlorobutadiene	1,254	ug/kg	330	8270C	08/10/11 20:52	PL	87-68-3	1
Hexachlorocyclopentadiene	1,092	ug/kg	330	8270C	08/10/11 20:52	PL	77-47-4	1
Hexachloroethane	1,212.2	ug/kg	330	8270C	08/10/11 20:52	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,273	ug/kg	330	8270C	08/10/11 20:52	PL	193-39-5	1
Isophorone	1,393	ug/kg	330	8270C	08/10/11 20:52	PL	78-59-1	1
2-Methylnaphthalene	1,410	ug/kg	330	8270C	08/10/11 20:52	PL	91-57-6	1
2-Methylphenol	1,360	ug/kg	330	8270C	08/10/11 20:52	PL	95-48-7	1
3-, 4-Methylphenol	1,390	ug/kg	330	8270C	08/10/11 20:52	PL	3/4-Cresol	1
2-Nitroaniline	1,478.9	ug/kg	670	8270C	08/10/11 20:52	PL	88-74-4	1
2-Nitrophenol	1,360	ug/kg	330	8270C	08/10/11 20:52	PL	88-75-5	1
3-Nitroaniline	1,359.1	ug/kg	670	8270C	08/10/11 20:52	PL	99-09-2	1
4-Nitroaniline	1,456	ug/kg	670	8270C	08/10/11 20:52	PL	100-01-6	1
4-Nitrophenol	1,430	ug/kg	670	8270C	08/10/11 20:52	PL	100-02-7	1
N-Nitrosodi-n-propylamine	1,379	ug/kg	330	8270C	08/10/11 20:52	PL	621-64-7	1
N-Nitrosodiphenylamine	651.3	ug/kg	330	8270C	08/10/11 20:52	PL	86-30-6	1
Naphthalene	1,316	ug/kg	330	8270C	08/10/11 20:52	PL	91-20-3	1
Nitrobenzene	1,297.5	ug/kg	200	8270C	08/10/11 20:52	PL	98-95-3	1
di-n-Octyl phthalate	1,658	ug/kg	330	8270C	08/10/11 20:52	PL	117-84-0	1
Pentachlorophenol	1,289.4	ug/kg	670	8270C	08/10/11 20:52	PL	87-86-5	1
Phenanthrene	2,034	ug/kg	330	8270C	08/10/11 20:52	PL	85-01-8	1
Phenol	1,337.0	ug/kg	330	8270C	08/10/11 20:52	PL	108-95-2	1
Pyrene	2,086	ug/kg	330	8270C	08/10/11 20:52	PL	129-00-0	1
2,4,5-Trichlorophenol	1,473	ug/kg	330	8270C	08/10/11 20:52	PL	95-95-4	1
2,4,6-Trichlorophenol	1,401	ug/kg	330	8270C	08/10/11 20:52	PL	88-06-2	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank

Lab Sample ID: S49541.07
Sample Tag: EB-SB-43-080111
Collected Date/Time: 08/01/2011 14:00
Matrix: Water
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 14:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	101-55-3	
di-n-Butyl phthalate	1.3	ug/L	5	8270C	08/09/11 15:28	PL	84-74-2	BJ
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 15:28	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	7005-72-3	
Caprolactam	0.40	ug/L	10	8270C	08/09/11 15:28	PL	105-60-2	J
Carbazole	Not detected	ug/L	10	8270C	08/09/11 15:28	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 15:28	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 15:28	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	84-66-2	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.07 (continued)
Sample Tag: EB-SB-43-080111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	88-06-2	

Lab Sample ID: S49541.08
Sample Tag: SB-43-080111 (0-2')
Collected Date/Time: 08/01/2011 15:00
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	632	ug/kg	330	8270C	08/09/11 22:19	PL	83-32-9	
Acenaphthylene	290	ug/kg	330	8270C	08/09/11 22:19	PL	208-96-8	J
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	98-86-2	
Anthracene	1,646	ug/kg	330	8270C	08/09/11 22:19	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	100-52-7	
Benzo(a)anthracene	3,130	ug/kg	330	8270C	08/09/11 22:19	PL	56-55-3	
Benzo(a)pyrene	2,710	ug/kg	330	8270C	08/09/11 22:19	PL	50-32-8	
Benzo(b)fluoranthene	2,670	ug/kg	330	8270C	08/09/11 22:19	PL	205-99-2	
Benzo(ghi)perylene	560	ug/kg	330	8270C	08/09/11 22:19	PL	191-24-2	
Benzo(k)fluoranthene	2,620	ug/kg	330	8270C	08/09/11 22:19	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	105-60-2	
Carbazole	570	ug/kg	330	8270C	08/09/11 22:19	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	108-60-1	
Chrysene	3,810	ug/kg	330	8270C	08/09/11 22:19	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	53-70-3	
Dibenzofuran	540	ug/kg	330	8270C	08/09/11 22:19	PL	132-64-9	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.08 (continued)
Sample Tag: SB-43-080111 (0-2')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	117-81-7	
Fluoranthene	7,180	ug/kg	330	8270C	08/09/11 22:19	PL	206-44-0	
Fluorene	811	ug/kg	330	8270C	08/09/11 22:19	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	620	ug/kg	330	8270C	08/09/11 22:19	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	78-59-1	
2-Methylnaphthalene	270	ug/kg	330	8270C	08/09/11 22:19	PL	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	86-30-6	
Naphthalene	375	ug/kg	330	8270C	08/09/11 22:19	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 22:19	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	87-86-5	
Phenanthrene	7,060	ug/kg	330	8270C	08/09/11 22:19	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	108-95-2	
Pyrene	6,960	ug/kg	330	8270C	08/09/11 22:19	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Phenanthrene	Completed			8270C	08/09/11 14:45	PL	85-01-8	
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
4H-cyclopenta(def)phenanthrene	Completed			8270C	08/09/11 14:45	PL		
9-methylanthracene	Completed			8270C	08/09/11 14:45	PL		
1-methylanthracene	Completed			8270C	08/09/11 14:45	PL		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.09
Sample Tag: Dup-080111
Collected Date/Time: 08/01/2011 08:00
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	91	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	454	ug/kg	330	8270C	08/09/11 21:44	PL	83-32-9	
Acenaphthylene	200	ug/kg	330	8270C	08/09/11 21:44	PL	208-96-8	J
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	98-86-2	
Anthracene	1,110	ug/kg	330	8270C	08/09/11 21:44	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	100-52-7	
Benzo(a)anthracene	2,410	ug/kg	330	8270C	08/09/11 21:44	PL	56-55-3	
Benzo(a)pyrene	2,150	ug/kg	330	8270C	08/09/11 21:44	PL	50-32-8	
Benzo(b)fluoranthene	1,950	ug/kg	330	8270C	08/09/11 21:44	PL	205-99-2	
Benzo(ghi)perylene	570	ug/kg	330	8270C	08/09/11 21:44	PL	191-24-2	
Benzo(k)fluoranthene	2,030	ug/kg	330	8270C	08/09/11 21:44	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	105-60-2	
Carbazole	390	ug/kg	330	8270C	08/09/11 21:44	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	108-60-1	
Chrysene	3,010	ug/kg	330	8270C	08/09/11 21:44	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	53-70-3	
Dibenzofuran	352	ug/kg	330	8270C	08/09/11 21:44	PL	132-64-9	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.09 (continued)
Sample Tag: Dup-080111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	117-81-7	
Fluoranthene	5,220	ug/kg	330	8270C	08/09/11 21:44	PL	206-44-0	
Fluorene	535	ug/kg	330	8270C	08/09/11 21:44	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	620	ug/kg	330	8270C	08/09/11 21:44	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	78-59-1	
2-Methylnaphthalene	160	ug/kg	330	8270C	08/09/11 21:44	PL	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	86-30-6	
Naphthalene	172	ug/kg	330	8270C	08/09/11 21:44	PL	91-20-3	J
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 21:44	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	87-86-5	
Phenanthrene	4,692	ug/kg	330	8270C	08/09/11 21:44	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	108-95-2	
Pyrene	5,010	ug/kg	330	8270C	08/09/11 21:44	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Phenanthrene	Completed			8270C	08/09/11 14:45	PL	85-01-8	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 14:45	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 14:45	PL		
4H-cyclopenta(def)phenanthrene	Completed			8270C	08/09/11 14:45	PL		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.10
Sample Tag: SB-37-080111 (2-4')
Collected Date/Time: 08/01/2011 16:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	Not found			8270C	08/09/11 14:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	53-70-3	

Lab Sample ID: S49541.10 (continued)
Sample Tag: SB-37-080111 (2-4')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 22:53	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	88-06-2	

Lab Sample ID: S49541.11
Sample Tag: DW-2-072811 (sed)
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	98-86-2	
Anthracene	350	ug/kg	330	8270C	08/09/11 23:27	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	100-52-7	
Benzo(a)anthracene	3,290	ug/kg	330	8270C	08/09/11 23:27	PL	56-55-3	I
Benzo(a)pyrene	3,910	ug/kg	330	8270C	08/09/11 23:27	PL	50-32-8	I
Benzo(b)fluoranthene	5,660	ug/kg	330	8270C	08/09/11 23:27	PL	205-99-2	I
Benzo(ghi)perylene	1,230	ug/kg	330	8270C	08/09/11 23:27	PL	191-24-2	I
Benzo(k)fluoranthene	4,660	ug/kg	330	8270C	08/09/11 23:27	PL	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	105-60-2	
Carbazole	440	ug/kg	330	8270C	08/09/11 23:27	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	108-60-1	
Chrysene	5,330	ug/kg	330	8270C	08/09/11 23:27	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	534-52-1	
Dibenzo(ah)anthracene	420	ug/kg	330	8270C	08/09/11 23:27	PL	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	132-64-9	

I-Matrix interference with internal standard

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	660	ug/kg	330	8270C	08/09/11 23:27	PL	117-81-7	B
Fluoranthene	6,930	ug/kg	330	8270C	08/09/11 23:27	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	1,300	ug/kg	330	8270C	08/09/11 23:27	PL	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 23:27	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	87-86-5	
Phenanthrene	2,490	ug/kg	330	8270C	08/09/11 23:27	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	108-95-2	
Pyrene	7,500	ug/kg	330	8270C	08/09/11 23:27	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	88-06-2	
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	98-86-2	
Anthracene	380	ug/kg	330	8270C	08/10/11 23:43	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	100-52-7	
Benzo(a)anthracene	3,400	ug/kg	330	8270C	08/10/11 23:43	PL	56-55-3	I
Benzo(a)pyrene	4,160	ug/kg	330	8270C	08/10/11 23:43	PL	50-32-8	I
Benzo(b)fluoranthene	5,890	ug/kg	330	8270C	08/10/11 23:43	PL	205-99-2	I
Benzo(ghi)perylene	1,130	ug/kg	330	8270C	08/10/11 23:43	PL	191-24-2	I
Benzo(k)fluoranthene	5,080	ug/kg	330	8270C	08/10/11 23:43	PL	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	85-68-7	

B-Compound also found in associated method blank
I-Matrix interference with internal standard

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	105-60-2	
Carbazole	480	ug/kg	330	8270C	08/10/11 23:43	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	108-60-1	
Chrysene	5,550	ug/kg	330	8270C	08/10/11 23:43	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	534-52-1	
Dibenzo(ah)anthracene	400	ug/kg	330	8270C	08/10/11 23:43	PL	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	630	ug/kg	330	8270C	08/10/11 23:43	PL	117-81-7	B
Fluoranthene	7,180	ug/kg	330	8270C	08/10/11 23:43	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	1,280	ug/kg	330	8270C	08/10/11 23:43	PL	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 23:43	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	87-86-5	
Phenanthrene	2,580	ug/kg	330	8270C	08/10/11 23:43	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	108-95-2	

I-Matrix interference with internal standard
B-Compound also found in associated method blank

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Pyrene	7,950	ug/kg	330	8270C	08/10/11 23:43	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 14:45	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 14:45	PL		
7H-Benz(de)anthracen-7-one	Completed			8270C	08/09/11 14:45	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/10/11 13:26	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	76-13-1	
Acetone	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	156-59-2	
Chloroform	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	56-23-5	
Benzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-87-2	

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	10061-01-5	
Toluene	1.16	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-34-5	
Ethylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	24	Low 5035/8260B	08/10/11 13:26	JGH		
o-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	95-47-6	
Styrene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	98-82-8	
Bromoform	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.12
Sample Tag: DW-3-072811 (sed)
Collected Date/Time: 07/28/2011 09:38
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	92	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	101-55-3	
di-n-Butyl phthalate	750	ug/kg	330	8270C	08/09/11 21:10	PL	84-74-2	B
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	100-52-7	
Benzo(a)anthracene	750	ug/kg	330	8270C	08/09/11 21:10	PL	56-55-3	
Benzo(a)pyrene	730	ug/kg	330	8270C	08/09/11 21:10	PL	50-32-8	
Benzo(b)fluoranthene	920	ug/kg	330	8270C	08/09/11 21:10	PL	205-99-2	
Benzo(ghi)perylene	380	ug/kg	330	8270C	08/09/11 21:10	PL	191-24-2	
Benzo(k)fluoranthene	770	ug/kg	330	8270C	08/09/11 21:10	PL	207-08-9	
Butyl benzyl phthalate	400	ug/kg	330	8270C	08/09/11 21:10	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	108-60-1	
Chrysene	1,200	ug/kg	330	8270C	08/09/11 21:10	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	132-64-9	

B-Compound also found in associated method blank

Lab Sample ID: S49541.12 (continued)
Sample Tag: DW-3-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	8,490	ug/kg	330	8270C	08/09/11 21:10	PL	117-81-7	B
Fluoranthene	1,670	ug/kg	330	8270C	08/09/11 21:10	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	330	ug/kg	330	8270C	08/09/11 21:10	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 21:10	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	87-86-5	
Phenanthrene	700	ug/kg	330	8270C	08/09/11 21:10	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	108-95-2	
Pyrene	1,830	ug/kg	330	8270C	08/09/11 21:10	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 14:45	PL	117-81-7	
Hexadecanoic acid	Completed			8270C	08/09/11 14:45	PL	57-10-3	
2,6,10,14-tetramethylhexadecane	Completed			8270C	08/09/11 14:45	PL		
11-cyclopentylheneicosane	Completed			8270C	08/09/11 14:45	PL		
Tritetracontane	Completed			8270C	08/09/11 14:45	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	76-13-1	
Acetone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-15-0	
Methyl Acetate	6.6	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-20-9	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	78-93-3	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.12 (continued)
Sample Tag: DW-3-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Dichlorodifluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-34-3	
cis-1,2-Dichloroethene	1.3	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	156-59-2	J
Chloroform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	56-23-5	
Benzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	107-06-2	
Trichloroethene	13.6	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	10061-01-5	
Toluene	1.48	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-34-5	
Ethylbenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	100-41-4	
p,m-Xylene	1.7	ug/kg	22	Low 5035/8260B	08/10/11 14:29	JGH		J
o-Xylene	0.74	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	95-47-6	J
Styrene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	100-42-5	
Isopropylbenzene	8.5	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	98-82-8	J
Bromoform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	541-73-1	
1,4-Dichlorobenzene	10.5	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	106-46-7	J
1,2-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 14:29	JGH		
alpha-Pinene	Found			8260B	08/10/11 14:29	JGH		
beta-Pinene	Found			8260B	08/10/11 14:29	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.13
Sample Tag: DW-4-072811 (sed)
Collected Date/Time: 07/28/2011 08:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	101-55-3	
di-n-Butyl phthalate	470	ug/kg	330	8270C	08/10/11 22:00	PL	84-74-2	B
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	56-55-3	
Benzo(a)pyrene	210	ug/kg	330	8270C	08/10/11 22:00	PL	50-32-8	J
Benzo(b)fluoranthene	300	ug/kg	330	8270C	08/10/11 22:00	PL	205-99-2	J
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	191-24-2	
Benzo(k)fluoranthene	280	ug/kg	330	8270C	08/10/11 22:00	PL	207-08-9	J
Butyl benzyl phthalate	200	ug/kg	330	8270C	08/10/11 22:00	PL	85-68-7	J
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	108-60-1	
Chrysene	320	ug/kg	330	8270C	08/10/11 22:00	PL	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	53-70-3	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.13 (continued)
Sample Tag: DW-4-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	6,740	ug/kg	330	8270C	08/10/11 22:00	PL	117-81-7	B
Fluoranthene	280	ug/kg	330	8270C	08/10/11 22:00	PL	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 22:00	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	87-86-5	
Phenanthrene	180	ug/kg	330	8270C	08/10/11 22:00	PL	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	108-95-2	
Pyrene	300	ug/kg	330	8270C	08/10/11 22:00	PL	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/10/11 22:00	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/10/11 22:00	PL	117-81-7	
Benzene, 1,3-dimethyl-	Completed			8270C	08/10/11 22:00	PL		
p-Xylene	Completed			8270C	08/10/11 22:00	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	76-13-1	
Acetone	27.2	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-71-8	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.13 (continued)
Sample Tag: DW-4-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-35-4	
Methylene chloride	1.31	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	156-59-2	
Chloroform	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	56-23-5	
Benzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	107-06-2	
Trichloroethene	6.7	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	10061-01-5	
Toluene	2.80	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-34-5	
Ethylbenzene	7.61	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	100-41-4	J
p,m-Xylene	34.6	ug/kg	18	Low 5035/8260B	08/10/11 15:26	JGH		
o-Xylene	12.43	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	95-47-6	
Styrene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	98-82-8	
Bromoform	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 15:26	JGH		
1-Hexanol, 2- ethyl	Found			8260B	08/10/11 15:26	JGH		
Nonanal	Found			8260B	08/10/11 15:26	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49541.14
Sample Tag: DW-2-072811 (sed) MS
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	720.5	ug/kg	330	8270C	08/10/11 22:35	PL	83-32-9	1
Acenaphthylene	679	ug/kg	330	8270C	08/10/11 22:35	PL	208-96-8	1
Acetophenone	678.3	ug/kg	330	8270C	08/10/11 22:35	PL	98-86-2	1
Anthracene	1,030	ug/kg	330	8270C	08/10/11 22:35	PL	120-12-7	1
Atrazine	669.0	ug/kg	330	8270C	08/10/11 22:35	PL	1912-24-9	1
1,1'-Biphenyl	605.8	ug/kg	330	8270C	08/10/11 22:35	PL	92-52-4	1
4-Bromophenyl phenyl ether	631	ug/kg	330	8270C	08/10/11 22:35	PL	101-55-3	1
di-n-Butyl phthalate	683	ug/kg	330	8270C	08/10/11 22:35	PL	84-74-2	1B
Benzaldehyde	497	ug/kg	330	8270C	08/10/11 22:35	PL	100-52-7	1
Benzo(a)anthracene	4,110	ug/kg	330	8270C	08/10/11 22:35	PL	56-55-3	1
Benzo(a)pyrene	4,649	ug/kg	330	8270C	08/10/11 22:35	PL	50-32-8	1
Benzo(b)fluoranthene	6,074	ug/kg	330	8270C	08/10/11 22:35	PL	205-99-2	1
Benzo(ghi)perylene	1,581	ug/kg	330	8270C	08/10/11 22:35	PL	191-24-2	1
Benzo(k)fluoranthene	5,593	ug/kg	330	8270C	08/10/11 22:35	PL	207-08-9	1
Butyl benzyl phthalate	844	ug/kg	330	8270C	08/10/11 22:35	PL	85-68-7	1
2-Chloronaphthalene	593.4	ug/kg	330	8270C	08/10/11 22:35	PL	91-58-7	1
2-Chlorophenol	524.4	ug/kg	330	8270C	08/10/11 22:35	PL	95-57-8	1
4-Chloro-3-methylphenol	595.7	ug/kg	330	8270C	08/10/11 22:35	PL	59-50-7	1
4-Chloroaniline	141	ug/kg	670	8270C	08/10/11 22:35	PL	106-47-8	J1
4-Chlorophenyl phenyl ether	635	ug/kg	330	8270C	08/10/11 22:35	PL	7005-72-3	1
Caprolactam	779.9	ug/kg	330	8270C	08/10/11 22:35	PL	105-60-2	1
Carbazole	1,117	ug/kg	330	8270C	08/10/11 22:35	PL	86-74-8	1
bis(2-Chloroethoxy)methane	581	ug/kg	330	8270C	08/10/11 22:35	PL	111-91-1	1
bis(2-Chloroethyl)ether	528	ug/kg	330	8270C	08/10/11 22:35	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	555	ug/kg	330	8270C	08/10/11 22:35	PL	108-60-1	1
Chrysene	6,322	ug/kg	330	8270C	08/10/11 22:35	PL	218-01-9	1
2,4-Dichlorophenol	562.0	ug/kg	330	8270C	08/10/11 22:35	PL	120-83-2	1
2,4-Dimethylphenol	603	ug/kg	330	8270C	08/10/11 22:35	PL	105-67-9	1
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:35	PL	51-28-5	1
2,4-Dinitrotoluene	561.2	ug/kg	330	8270C	08/10/11 22:35	PL	121-14-2	1
2,6-Dinitrotoluene	564.3	ug/kg	330	8270C	08/10/11 22:35	PL	606-20-2	1
3,3'-Dichlorobenzidine	135	ug/kg	670	8270C	08/10/11 22:35	PL	91-94-1	J1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 22:35	PL	534-52-1	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.14 (continued)
Sample Tag: DW-2-072811 (sed) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	793	ug/kg	330	8270C	08/10/11 22:35	PL	53-70-3	1
Dibenzofuran	684.1	ug/kg	330	8270C	08/10/11 22:35	PL	132-64-9	1
Diethyl phthalate	673	ug/kg	330	8270C	08/10/11 22:35	PL	84-66-2	1B
Dimethyl phthalate	643	ug/kg	330	8270C	08/10/11 22:35	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,404	ug/kg	330	8270C	08/10/11 22:35	PL	117-81-7	1B
Fluoranthene	8,082	ug/kg	330	8270C	08/10/11 22:35	PL	206-44-0	1
Fluorene	736.8	ug/kg	330	8270C	08/10/11 22:35	PL	86-73-7	1
Hexachlorobenzene	605	ug/kg	330	8270C	08/10/11 22:35	PL	118-74-1	1
Hexachlorobutadiene	510	ug/kg	330	8270C	08/10/11 22:35	PL	87-68-3	1
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 22:35	PL	77-47-4	1
Hexachloroethane	447.3	ug/kg	330	8270C	08/10/11 22:35	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,687	ug/kg	330	8270C	08/10/11 22:35	PL	193-39-5	1
Isophorone	615	ug/kg	330	8270C	08/10/11 22:35	PL	78-59-1	1
2-Methylnaphthalene	635	ug/kg	330	8270C	08/10/11 22:35	PL	91-57-6	1
2-Methylphenol	580	ug/kg	330	8270C	08/10/11 22:35	PL	95-48-7	1
3-, 4-Methylphenol	590	ug/kg	330	8270C	08/10/11 22:35	PL	3/4-Cresol	1
2-Nitroaniline	576.7	ug/kg	670	8270C	08/10/11 22:35	PL	88-74-4	J1
2-Nitrophenol	368	ug/kg	330	8270C	08/10/11 22:35	PL	88-75-5	1
3-Nitroaniline	295.7	ug/kg	670	8270C	08/10/11 22:35	PL	99-09-2	J1
4-Nitroaniline	469	ug/kg	670	8270C	08/10/11 22:35	PL	100-01-6	J1
4-Nitrophenol	433	ug/kg	670	8270C	08/10/11 22:35	PL	100-02-7	J1
N-Nitrosodi-n-propylamine	625	ug/kg	330	8270C	08/10/11 22:35	PL	621-64-7	1
N-Nitrosodiphenylamine	277.5	ug/kg	330	8270C	08/10/11 22:35	PL	86-30-6	J1
Naphthalene	590	ug/kg	330	8270C	08/10/11 22:35	PL	91-20-3	1
Nitrobenzene	557.4	ug/kg	200	8270C	08/10/11 22:35	PL	98-95-3	1
di-n-Octyl phthalate	1,272	ug/kg	330	8270C	08/10/11 22:35	PL	117-84-0	1
Pentachlorophenol	291.9	ug/kg	670	8270C	08/10/11 22:35	PL	87-86-5	J1
Phenanthrene	3,502	ug/kg	330	8270C	08/10/11 22:35	PL	85-01-8	1
Phenol	566.3	ug/kg	330	8270C	08/10/11 22:35	PL	108-95-2	1
Pyrene	8,000	ug/kg	330	8270C	08/10/11 22:35	PL	129-00-0	1
2,4,5-Trichlorophenol	543	ug/kg	330	8270C	08/10/11 22:35	PL	95-95-4	1
2,4,6-Trichlorophenol	597	ug/kg	330	8270C	08/10/11 22:35	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	560.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	76-13-1	2
Acetone	594.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	67-64-1	2
Carbon disulfide	522.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-15-0	2
Methyl Acetate	498.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-20-9	2
tert-Methyl butyl ether (MTBE)	655.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	1634-04-4	2
2-Butanone (MEK)	555.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	78-93-3	2
Dichlorodifluoromethane	385.4	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-71-8	2
Chloromethane	492.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	74-87-3	2
Vinyl chloride	519.9	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-01-4	2
Bromomethane	650.1	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	74-83-9	2

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL
2-Spiked at 0.5mg/kg dry weight.

Lab Sample ID: S49541.14 (continued)
Sample Tag: DW-2-072811 (sed) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroethane	674.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-00-3	1
Trichlorofluoromethane	666.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-69-4	1
1,1-Dichloroethene	578.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-35-4	1
Methylene chloride	624.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-09-2	1
trans-1,2-Dichloroethene	600.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	156-60-5	1
1,1-Dichloroethane	632.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-34-3	1
cis-1,2-Dichloroethene	607.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	156-59-2	1
Chloroform	652.9	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	67-66-3	1
1,1,1-Trichloroethane	631.12	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	71-55-6	1
Cyclohexane	459.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	110-82-7	1
4-Methyl-2-pentanone (MIBK)	569.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-10-1	1
2-Hexanone	517.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	591-78-6	1
Carbon tetrachloride	591.4	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	56-23-5	1
Benzene	604.79	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	71-43-2	1
1,2-Dichloroethane	637.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	107-06-2	1
Trichloroethene	576.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-01-6	1
1,2-Dichloropropane	645.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	78-87-5	1
Bromodichloromethane	613.41	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-27-4	1
Methyl cyclohexane	482.20	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-87-2	1
cis-1,3-Dichloropropene	573.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	10061-01-5	1
Toluene	577.99	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-88-3	1
trans-1,3-Dichloropropene	573.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	10061-02-6	1
1,1,2-Trichloroethane	617.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-00-5	1
Tetrachloroethene	456.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	127-18-4	1
Dibromochloromethane	631.93	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	124-48-1	1
1,2-Dibromoethane	633.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	106-93-4	1
Chlorobenzene	577.65	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-90-7	1
1,1,2,2-Tetrachloroethane	587.7	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-34-5	1
Ethylbenzene	597.31	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	100-41-4	1
p,m-Xylene	1,179.7	ug/kg	24	Low 5035/8260B	08/10/11 15:45	JGH		1
o-Xylene	600.07	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	95-47-6	1
Styrene	551.1	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	100-42-5	1
Isopropylbenzene	557.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	98-82-8	1
Bromoform	588.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-25-2	1
1,3-Dichlorobenzene	601.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	541-73-1	1
1,4-Dichlorobenzene	572.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	106-46-7	1
1,2-Dichlorobenzene	562.58	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	95-50-1	1
1,2-Dibromo-3-chloropropane	700.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	96-12-8	1
1,2,4-Trichlorobenzene	317.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	120-82-1	1B

1-Spiked at 0.5mg/kg dry weight.
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49541.15
Sample Tag: DW-2-072811 (sed) MSD
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	688.0	ug/kg	330	8270C	08/10/11 23:09	PL	83-32-9	1
Acenaphthylene	659	ug/kg	330	8270C	08/10/11 23:09	PL	208-96-8	1
Acetophenone	593.4	ug/kg	330	8270C	08/10/11 23:09	PL	98-86-2	1
Anthracene	993	ug/kg	330	8270C	08/10/11 23:09	PL	120-12-7	1
Atrazine	682.7	ug/kg	330	8270C	08/10/11 23:09	PL	1912-24-9	1
1,1'-Biphenyl	578.1	ug/kg	330	8270C	08/10/11 23:09	PL	92-52-4	1
4-Bromophenyl phenyl ether	625	ug/kg	330	8270C	08/10/11 23:09	PL	101-55-3	1
di-n-Butyl phthalate	718	ug/kg	330	8270C	08/10/11 23:09	PL	84-74-2	1B
Benzaldehyde	443	ug/kg	330	8270C	08/10/11 23:09	PL	100-52-7	1
Benzo(a)anthracene	3,785	ug/kg	330	8270C	08/10/11 23:09	PL	56-55-3	1
Benzo(a)pyrene	4,378	ug/kg	330	8270C	08/10/11 23:09	PL	50-32-8	1
Benzo(b)fluoranthene	6,246	ug/kg	330	8270C	08/10/11 23:09	PL	205-99-2	1
Benzo(ghi)perylene	1,331	ug/kg	330	8270C	08/10/11 23:09	PL	191-24-2	1
Benzo(k)fluoranthene	5,272	ug/kg	330	8270C	08/10/11 23:09	PL	207-08-9	1
Butyl benzyl phthalate	882	ug/kg	330	8270C	08/10/11 23:09	PL	85-68-7	1
2-Chloronaphthalene	577.7	ug/kg	330	8270C	08/10/11 23:09	PL	91-58-7	1
2-Chlorophenol	509.1	ug/kg	330	8270C	08/10/11 23:09	PL	95-57-8	1
4-Chloro-3-methylphenol	590.7	ug/kg	330	8270C	08/10/11 23:09	PL	59-50-7	1
4-Chloroaniline	147	ug/kg	670	8270C	08/10/11 23:09	PL	106-47-8	J1
4-Chlorophenyl phenyl ether	621	ug/kg	330	8270C	08/10/11 23:09	PL	7005-72-3	1
Caprolactam	519.9	ug/kg	330	8270C	08/10/11 23:09	PL	105-60-2	1
Carbazole	1,041	ug/kg	330	8270C	08/10/11 23:09	PL	86-74-8	1
bis(2-Chloroethoxy)methane	541	ug/kg	330	8270C	08/10/11 23:09	PL	111-91-1	1
bis(2-Chloroethyl)ether	493	ug/kg	330	8270C	08/10/11 23:09	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	530	ug/kg	330	8270C	08/10/11 23:09	PL	108-60-1	1
Chrysene	5,870	ug/kg	330	8270C	08/10/11 23:09	PL	218-01-9	1
2,4-Dichlorophenol	546.3	ug/kg	330	8270C	08/10/11 23:09	PL	120-83-2	1
2,4-Dimethylphenol	601	ug/kg	330	8270C	08/10/11 23:09	PL	105-67-9	1
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:09	PL	51-28-5	1
2,4-Dinitrotoluene	536.7	ug/kg	330	8270C	08/10/11 23:09	PL	121-14-2	1
2,6-Dinitrotoluene	553.6	ug/kg	330	8270C	08/10/11 23:09	PL	606-20-2	1
3,3'-Dichlorobenzidine	198	ug/kg	670	8270C	08/10/11 23:09	PL	91-94-1	J1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 23:09	PL	534-52-1	1

1-Dry Weight Spike: 1.92 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.15 (continued)
Sample Tag: DW-2-072811 (sed) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	667	ug/kg	330	8270C	08/10/11 23:09	PL	53-70-3	1
Dibenzofuran	656.3	ug/kg	330	8270C	08/10/11 23:09	PL	132-64-9	1
Diethyl phthalate	663	ug/kg	330	8270C	08/10/11 23:09	PL	84-66-2	1B
Dimethyl phthalate	642	ug/kg	330	8270C	08/10/11 23:09	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,363	ug/kg	330	8270C	08/10/11 23:09	PL	117-81-7	1B
Fluoranthene	7,388	ug/kg	330	8270C	08/10/11 23:09	PL	206-44-0	1
Fluorene	706.1	ug/kg	330	8270C	08/10/11 23:09	PL	86-73-7	1
Hexachlorobenzene	639	ug/kg	330	8270C	08/10/11 23:09	PL	118-74-1	1
Hexachlorobutadiene	501	ug/kg	330	8270C	08/10/11 23:09	PL	87-68-3	1
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 23:09	PL	77-47-4	1
Hexachloroethane	402.3	ug/kg	330	8270C	08/10/11 23:09	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,429	ug/kg	330	8270C	08/10/11 23:09	PL	193-39-5	1
Isophorone	591	ug/kg	330	8270C	08/10/11 23:09	PL	78-59-1	1
2-Methylnaphthalene	600	ug/kg	330	8270C	08/10/11 23:09	PL	91-57-6	1
2-Methylphenol	560	ug/kg	330	8270C	08/10/11 23:09	PL	95-48-7	1
3-, 4-Methylphenol	570	ug/kg	330	8270C	08/10/11 23:09	PL	3/4-Cresol	1
2-Nitroaniline	557.4	ug/kg	670	8270C	08/10/11 23:09	PL	88-74-4	J1
2-Nitrophenol	331	ug/kg	330	8270C	08/10/11 23:09	PL	88-75-5	1
3-Nitroaniline	343.6	ug/kg	670	8270C	08/10/11 23:09	PL	99-09-2	J1
4-Nitroaniline	488	ug/kg	670	8270C	08/10/11 23:09	PL	100-01-6	J1
4-Nitrophenol	470	ug/kg	670	8270C	08/10/11 23:09	PL	100-02-7	J1
N-Nitrosodi-n-propylamine	586	ug/kg	330	8270C	08/10/11 23:09	PL	621-64-7	1
N-Nitrosodiphenylamine	285.4	ug/kg	330	8270C	08/10/11 23:09	PL	86-30-6	J1
Naphthalene	544	ug/kg	330	8270C	08/10/11 23:09	PL	91-20-3	1
Nitrobenzene	500.3	ug/kg	200	8270C	08/10/11 23:09	PL	98-95-3	1
di-n-Octyl phthalate	1,552	ug/kg	330	8270C	08/10/11 23:09	PL	117-84-0	1
Pentachlorophenol	326.0	ug/kg	670	8270C	08/10/11 23:09	PL	87-86-5	J1
Phenanthrene	3,090	ug/kg	330	8270C	08/10/11 23:09	PL	85-01-8	1
Phenol	541.3	ug/kg	330	8270C	08/10/11 23:09	PL	108-95-2	1
Pyrene	7,717	ug/kg	330	8270C	08/10/11 23:09	PL	129-00-0	1
2,4,5-Trichlorophenol	560	ug/kg	330	8270C	08/10/11 23:09	PL	95-95-4	1
2,4,6-Trichlorophenol	581	ug/kg	330	8270C	08/10/11 23:09	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	506.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	76-13-1	2
Acetone	587.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	67-64-1	2
Carbon disulfide	468.08	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-15-0	2
Methyl Acetate	423.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-20-9	2
tert-Methyl butyl ether (MTBE)	608.6	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	1634-04-4	2
2-Butanone (MEK)	531.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	78-93-3	2
Dichlorodifluoromethane	337.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-71-8	2
Chloromethane	441.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	74-87-3	2
Vinyl chloride	463.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-01-4	2
Bromomethane	536.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	74-83-9	2

1-Dry Weight Spike: 1.92 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL
2-Spiked at 0.5mg/kg dry weight.

Lab Sample ID: S49541.15 (continued)
Sample Tag: DW-2-072811 (sed) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroethane	592.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-00-3	1
Trichlorofluoromethane	588.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-69-4	1
1,1-Dichloroethene	522.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-35-4	1
Methylene chloride	557.02	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-09-2	1
trans-1,2-Dichloroethene	527.5	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	156-60-5	1
1,1-Dichloroethane	565.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-34-3	1
cis-1,2-Dichloroethene	543.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	156-59-2	1
Chloroform	580.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	67-66-3	1
1,1,1-Trichloroethane	564.98	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	71-55-6	1
Cyclohexane	403.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	110-82-7	1
4-Methyl-2-pentanone (MIBK)	529.1	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-10-1	1
2-Hexanone	470.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	591-78-6	1
Carbon tetrachloride	532.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	56-23-5	1
Benzene	536.01	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	71-43-2	1
1,2-Dichloroethane	563.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	107-06-2	1
Trichloroethene	505.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-01-6	1
1,2-Dichloropropane	568.14	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	78-87-5	1
Bromodichloromethane	543.46	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-27-4	1
Methyl cyclohexane	424.42	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-87-2	1
cis-1,3-Dichloropropene	490.93	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	10061-01-5	1
Toluene	500.82	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-88-3	1
trans-1,3-Dichloropropene	495.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	10061-02-6	1
1,1,2-Trichloroethane	546.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-00-5	1
Tetrachloroethene	389.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	127-18-4	1
Dibromochloromethane	596.09	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	124-48-1	1
1,2-Dibromoethane	608.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	106-93-4	1
Chlorobenzene	516.43	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-90-7	1
1,1,2,2-Tetrachloroethane	559.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-34-5	1
Ethylbenzene	533.05	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	100-41-4	1
p,m-Xylene	1,047.6	ug/kg	20	Low 5035/8260B	08/10/11 16:03	JGH		1
o-Xylene	528.77	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	95-47-6	1
Styrene	483.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	100-42-5	1
Isopropylbenzene	485.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	98-82-8	1
Bromoform	540.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-25-2	1
1,3-Dichlorobenzene	545.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	541-73-1	1I
1,4-Dichlorobenzene	519.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	106-46-7	1I
1,2-Dichlorobenzene	517.45	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	95-50-1	1I
1,2-Dibromo-3-chloropropane	738.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	96-12-8	1I
1,2,4-Trichlorobenzene	290.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	120-82-1	1BI

1-Spiked at 0.5mg/kg dry weight.
I-Matrix interference with internal standard
B-Compound also found in associated method blank

Lab Sample ID: S49541.16
Sample Tag: Dup-072811 (sed)
Collected Date/Time: 07/28/2011 08:00
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	84-66-2	

Lab Sample ID: S49541.16 (continued)
Sample Tag: Dup-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	8,320	ug/kg	330	8270C	08/10/11 21:27	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 21:27	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/10/11 21:27	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/10/11 21:27	PL	117-81-7	
Benzene, 1,3-dimethyl-	Completed			8270C	08/10/11 21:27	PL		
p-Xylene	Completed			8270C	08/10/11 21:27	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	76-13-1	
Acetone	16.2	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-15-0	
Methyl Acetate	4.5	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-20-9	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-01-4	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.16 (continued)
Sample Tag: Dup-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Bromomethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	156-59-2	
Chloroform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	56-23-5	
Benzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	107-06-2	
Trichloroethene	8.5	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	10061-01-5	
Toluene	2.78	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-34-5	
Ethylbenzene	5.14	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	100-41-4	J
p,m-Xylene	21.3	ug/kg	22	Low 5035/8260B	08/10/11 15:07	JGH		J
o-Xylene	6.63	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	95-47-6	J
Styrene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	98-82-8	
Bromoform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	541-73-1	
1,4-Dichlorobenzene	6.2	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	106-46-7	J
1,2-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 15:07	JGH		
1-Hexanol, 2- ethyl	Found			8260B	08/10/11 15:07	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.17
Sample Tag: EB-DW-2-072811 (sed)
Collected Date/Time: 07/28/2011 10:30
Matrix: Water
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	3.5	IR
2	40ml Glass	HCL	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 16:02	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	101-55-3	
di-n-Butyl phthalate	1.00	ug/L	5	8270C	08/09/11 16:02	PL	84-74-2	BJ
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 16:02	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	7005-72-3	
Caprolactam	0.43	ug/L	10	8270C	08/09/11 16:02	PL	105-60-2	J
Carbazole	Not detected	ug/L	10	8270C	08/09/11 16:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 16:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 16:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	132-64-9	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.17 (continued)
Sample Tag: EB-DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/09/11 18:14	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/09/11 18:14	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/09/11 18:14	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/09/11 18:14	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/09/11 18:14	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-71-8	
Chloromethane	0.340	ug/L	1	8260B	08/09/11 18:14	JGH	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/09/11 18:14	JGH	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-35-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.17 (continued)
Sample Tag: EB-DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Methylene chloride	0.21	ug/L	5	8260B	08/09/11 18:14	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/09/11 18:14	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/09/11 18:14	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	10061-01-5	
Toluene	0.260	ug/L	1	8260B	08/09/11 18:14	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH		
o-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-25-2	
1,3-Dichlorobenzene	0.080	ug/L	1	8260B	08/09/11 18:14	JGH	541-73-1	BJ
1,4-Dichlorobenzene	0.120	ug/L	1	8260B	08/09/11 18:14	JGH	106-46-7	BJ
1,2-Dichlorobenzene	0.060	ug/L	1	8260B	08/09/11 18:14	JGH	95-50-1	BJ
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	96-12-8	
1,2,4-Trichlorobenzene	0.130	ug/L	2	8260B	08/09/11 18:14	JGH	120-82-1	BJ

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49541.18
Sample Tag: Trip Blank
Collected Date/Time: 07/28/2011 00:01
Matrix: Water
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/09/11 18:32	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/09/11 18:32	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/09/11 18:32	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-71-8	
Chloromethane	0.290	ug/L	1	8260B	08/09/11 18:32	JGH	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/09/11 18:32	JGH	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/09/11 18:32	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/09/11 18:32	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	100-41-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.18 (continued)
Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH		
o-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-25-2	
1,3-Dichlorobenzene	0.060	ug/L	1	8260B	08/09/11 18:32	JGH	541-73-1	BJ
1,4-Dichlorobenzene	0.100	ug/L	1	8260B	08/09/11 18:32	JGH	106-46-7	BJ
1,2-Dichlorobenzene	0.050	ug/L	1	8260B	08/09/11 18:32	JGH	95-50-1	BJ
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	96-12-8	
1,2,4-Trichlorobenzene	0.110	ug/L	2	8260B	08/09/11 18:32	JGH	120-82-1	BJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

63684

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews ST. Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: 585-263-2820 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: Jeremy.Wolf@OBG.com QUOTE NO.:

INVOICE TO

CONTACT NAME: As Above ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362 / 24 Seneca
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Jeremy Wolf / Logan Reid

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER CAT B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: ~~30~~ Tics Required for SVOC & VOCs Samples

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	SVOC 8270
49541.01	8/1/11	1130	SB-46-080111 (2-4')	S	1	X							✓
.02	8/1/11	1220	SB-45-080111 (8-10.5')	S	1	X							✓
.03	8/1/11	1330	SB-47-080111 (4-6')	S	1	X							✓
.04	8/1/11	1415	SB-44-080111 (6-8')	S	1	X							✓
.05	8/1/11	1415	SB-44-080111 MS (6-8')	S	1	X							✓
.06	8/1/11	1415	SB-44-080111 MSD (6-8')	S	1	X							✓
.07	8/1/11	1400	EB-SB-43-080111	W	2	X							✓
.08	8/1/11	1500	SB-43-080111 (0-2')	S	1	X							✓
.09	8/1/11	0800	DUP-080111	S	1	X							✓
.10	8/1/11	1630	SB-37-080111 (2-4')	S	1	X							✓

Equipment Blank: DI water
Blind DUP

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
JJ WW OBG	8/1/11	1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	8-2-11	0935

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 3.5
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 2 OF 2

63685

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews ST.
CITY: Rochester | STATE: NY | ZIP CODE: 14604
PHONE NO.: 585-263-2820 | FAX NO.: | P.O. NO.:
E-MAIL ADDRESS: Jeremy.Wolf@OBG.com | QUOTE NO.:

INVOICE TO

CONTACT NAME: As above ☒ SAME
COMPANY:
ADDRESS:
CITY: | STATE: | ZIP CODE:
PHONE NO.: | FAX NO.: | P.O. NO.:

PROJECT NO./NAME: 47362 / 24 Seneca
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Amanda Yang / Tony Dirado

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER CAT B w/ EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: + 30 TICs for VOCs & SVOCs

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 Voc	8270 SVOC	SPECIAL INSTRUCTIONS/NOTES
49541.11	7/28/11	0955	DW-2-072811 (sed)	SO	1	X							X	X	
.12	7/28/11	0938	DW-3-072811 (sed)	SO	1	X							X	X	
.13	7/28/11	0855	DW-4-072811 (sed)	SO	1	X							X	X	
.14	7/28/11	0955	DW-2-072811 MS (sed)	SO	1	X							X	X	
.15	7/28/11	0955	DW-2-072811 MSD (sed)	SO	1	X							X	X	
.16	7/29/11	0800	DUP-072811 (sed)	SO	1	X							X	X	
.17	7/28/11	1030	EB-DW-2-072811 (sed)	W	4	2	2						X	X	DI Water Equipment Blank
.18			TRIP BLANK										X		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Jeff Wang	7/29/11	1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	8-2-11	0935

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 3.5
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S49576.01(01)
Generated on 08/19/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49576.01-S49576.26
Project: 47362/ 24 Seneca
Collected Date: 08/02/2011 - 08/03/2011
Submitted Date/Time: 08/04/2011 10:00
Sampled by: Anthony DiNardo
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (26 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49576.01	SB-25-080211-10-12	Soil	08/02/2011 09:30
S49576.02	SB-27-080211-10-12	Soil	08/02/2011 10:22
S49576.03	SB-28-080211-12-13.5	Soil	08/02/2011 11:24
S49576.04	SB-29-080211-12-13.7	Soil	08/02/2011 12:07
S49576.05	EB-SB-29-080211	Water	08/02/2011 12:25
S49576.06	SB-36-080211-12-13.3	Soil	08/02/2011 14:00
S49576.07	SB-35-080211-12-13.5	Soil	08/02/2011 14:55
S49576.08	SB-33-080211-10-12	Soil	08/02/2011 15:30
S49576.09	SB-33-080211-12-13.1	Soil	08/02/2011 15:30
S49576.10	SB-31-080211-12-13.4	Soil	08/02/2011 16:40
S49576.11	DUP-080211	Soil	08/02/2011 08:00
S49576.12	DUP-080311	Soil	08/03/2011 09:00
S49576.13	SB-30-080311-12-13.5	Soil	08/03/2011 08:45
S49576.14	SB-34-080311-4-6	Soil	08/03/2011 09:34
S49576.15	SB-32-080311-12-14.5	Soil	08/03/2011 10:10
S49576.16	SB-26-080311-13-15	Soil	08/03/2011 11:05
S49576.17	SB-26-080311-6-8	Soil	08/03/2011 11:05
S49576.18	SB-38-080311-6-8	Soil	08/03/2011 12:00
S49576.19	SB-39-080311-2-4	Soil	08/03/2011 12:40
S49576.20	SB-40-080311-4-6	Soil	08/03/2011 11:40
S49576.21	SB-41-080311-2-4	Soil	08/03/2011 14:00
S49576.22	EB-SB-41-080311	Water	08/03/2011 13:08
S49576.23	SB-32-080311-12-14.5 MS	Soil	08/03/2011 10:10
S49576.24	SB-32-080311-12-14.5 MSD	Soil	08/03/2011 10:10
S49576.25	Trip Blank 2	Water	08/02/2011 00:01
S49576.26	Trip Blank 3	Water	08/02/2011 00:01

Analytical Laboratory Report

Lab Sample ID: S49576.01
Sample Tag: SB-25-080211-10-12
Collected Date/Time: 08/02/2011 09:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,470	mg/kg	10	410.4	08/16/11 18:08	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 09:33	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 09:33	JDP	14797-65-0	
TOC	0.59	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	237	mg/kg	1	4500-N(org)/NH3	08/09/11 15:15	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.85	mg/kg	0.10	6020	08/09/11 15:21	SLS	7440-38-2	
Barium	20.3	mg/kg	1.0	6020	08/09/11 15:21	SLS	7440-39-3	
Cadmium	0.03	mg/kg	0.20	6020	08/09/11 15:21	SLS	7440-43-9	b
Chromium	2.26	mg/kg	0.50	6020	08/09/11 15:21	SLS	7440-47-3	
Copper	3.3	mg/kg	1.0	6020	08/10/11 13:15	SLS	7440-50-8	
Iron	4,090	mg/kg	3.5	6020	08/10/11 13:15	SLS	7439-89-6	
Lead	8.52	mg/kg	0.30	6020	08/09/11 15:21	SLS	7439-92-1	
Selenium	0.20	mg/kg	0.50	6020	08/09/11 15:21	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	76-13-1	
Acetone	29.2	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-35-4	
Methylene chloride	0.59	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	67-66-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.01 (continued)
Sample Tag: SB-25-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	56-23-5	
Benzene	1.82	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-27-4	
Methyl cyclohexane	3.35	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	10061-01-5	
Toluene	2.70	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-34-5	
Ethylbenzene	1.18	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	100-41-4	J
p,m-Xylene	1.00	ug/kg	12	Low 5035/8260B	08/12/11 17:15	WAT		J
o-Xylene	0.65	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	100-42-5	
Isopropylbenzene	7.00	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 17:15	JGH		
Benzene, 1,2,4,5-tetramethyl-	Found			8260B	08/12/11 17:15	JGH		
1-Methylnaphthalene	Found			8260B	08/12/11 17:15	JGH	90-12-0	
Benzene, 4-ethyl-1, 2-dimethyl-	Found			8260B	08/12/11 17:15	JGH		
Benzene, 1-methyl-4-propyl	Found			8260B	08/12/11 17:15	JGH		
1H-Indene, 2,3-dihydro-1,3-dimethyl	Found			8260B	08/12/11 17:15	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 17:15	JGH		
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro	Found			8260B	08/12/11 17:15	JGH		
1H-Indene, 2,3-dihydro-4,7-dimethyl-	Found			8260B	08/12/11 17:15	JGH		
Indan, 1-methyl-	Found			8260B	08/12/11 17:15	JGH		
Naphthalene, decahydro-, trans-	Found			8260B	08/12/11 17:15	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.02
Sample Tag: SB-27-080211-10-12
Collected Date/Time: 08/02/2011 10:22
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	20,600	mg/kg	100	410.4	08/16/11 18:09	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:19	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:19	JDP	14797-65-0	
TOC	0.14	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	225	mg/kg	1	4500-N(org)/NH3	08/09/11 15:33	MJC		
Total Solids	82	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.80	mg/kg	0.10	6020	08/09/11 15:24	SLS	7440-38-2	
Barium	24.1	mg/kg	1.0	6020	08/09/11 15:24	SLS	7440-39-3	
Cadmium	0.02	mg/kg	0.20	6020	08/09/11 15:24	SLS	7440-43-9	b
Chromium	3.21	mg/kg	0.50	6020	08/09/11 15:24	SLS	7440-47-3	
Copper	7.5	mg/kg	1.0	6020	08/10/11 13:17	SLS	7440-50-8	
Iron	6,000	mg/kg	4	6020	08/10/11 13:17	SLS	7439-89-6	
Lead	15.3	mg/kg	0.30	6020	08/09/11 15:24	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 15:24	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	76-13-1	
Acetone	16.7	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-35-4	
Methylene chloride	0.79	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	156-59-2	
Chloroform	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	67-66-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.02 (continued)
Sample Tag: SB-27-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	56-23-5	
Benzene	1.71	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	107-06-2	
Trichloroethene	1.16	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-27-4	
Methyl cyclohexane	100.71	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	10061-01-5	
Toluene	2.62	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-34-5	
Ethylbenzene	0.85	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	100-41-4	J
p,m-Xylene	1.04	ug/kg	14	Low 5035/8260B	08/12/11 17:54	WAT		J
o-Xylene	1.22	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	95-47-6	J
Styrene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	100-42-5	
Isopropylbenzene	6.89	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	98-82-8	J
Bromoform	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 17:54	JGH		
Benzene, 1,2,4,5-tetramethyl-	Found			8260B	08/12/11 17:54	JGH		
Naphthalene, decahydro-2-methyl-	Found			8260B	08/12/11 17:54	JGH		
Cyclopentane, 1-hexyl-3-methyl	Found			8260B	08/12/11 17:54	JGH		
Decane, 3,8-dimethyl-	Found			8260B	08/12/11 17:54	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 2-ethyl-1,4-dimethyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 1-methyl-2-propyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 1-methyl-2-(2-propenyl)-	Found			8260B	08/12/11 17:54	JGH		
Decane, 3-methyl-	Found			8260B	08/12/11 17:54	JGH		
Dodecane, 4,6-dimethyl-	Found			8260B	08/12/11 17:54	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.03
Sample Tag: SB-28-080211-12-13.5
Collected Date/Time: 08/02/2011 11:24
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,100	mg/kg	10	410.4	08/16/11 18:10	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:31	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:31	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	134	mg/kg	1	4500-N(org)/NH3	08/09/11 15:45	MJC		
Total Solids	88	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.70	mg/kg	0.10	6020	08/09/11 15:27	SLS	7440-38-2	
Barium	22.6	mg/kg	1.0	6020	08/09/11 15:27	SLS	7440-39-3	
Cadmium	0.06	mg/kg	0.20	6020	08/09/11 15:27	SLS	7440-43-9	b
Chromium	2.36	mg/kg	0.50	6020	08/09/11 15:27	SLS	7440-47-3	
Copper	9.8	mg/kg	1.0	6020	08/10/11 13:20	SLS	7440-50-8	
Iron	1,450	mg/kg	3.6	6020	08/10/11 13:20	SLS	7439-89-6	
Lead	2.28	mg/kg	0.30	6020	08/09/11 15:27	SLS	7439-92-1	
Selenium	0.18	mg/kg	0.50	6020	08/09/11 15:27	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-35-4	
Methylene chloride	1.66	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-34-3	
cis-1,2-Dichloroethene	5.79	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	156-59-2	J
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	67-66-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.03 (continued)
Sample Tag: SB-28-080211-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	56-23-5	
Benzene	1.26	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	107-06-2	
Trichloroethene	3.95	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	10061-01-5	
Toluene	7.28	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-34-5	
Ethylbenzene	1.89	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	100-41-4	J
p,m-Xylene	3.44	ug/kg	12	Low 5035/8260B	08/11/11 17:33	JGH		J
o-Xylene	1.15	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/11/11 17:33	JGH		
Tridecane	Found			8260B	08/11/11 17:33	JGH		
Nonane, 3-methyl-	Found			8260B	08/11/11 17:33	JGH		
Dodecane	Found			8260B	08/11/11 17:33	JGH		
Undecane	Found			8260B	08/11/11 17:33	JGH		
Undecane, 2,6-dimethyl	Found			8260B	08/11/11 17:33	JGH		
Dodecane, 2,6,10-trimethyl-	Found			8260B	08/11/11 17:33	JGH		
Tetradecane	Found			8260B	08/11/11 17:33	JGH		
Undecane, 3-methyl	Found			8260B	08/11/11 17:33	JGH		
1H-Indene, 2,3-dihydro-1,1,3-trimethyl	Found			8260B	08/11/11 17:33	JGH		
2-Methylnaphthalene	Found			8260B	08/11/11 17:33	JGH	91-57-6	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49576.04
Sample Tag: SB-29-080211-12-13.7
Collected Date/Time: 08/02/2011 12:07
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,330	mg/kg	10	410.4	08/16/11 18:10	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:43	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:43	JDP	14797-65-0	
TOC	0.16	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	102	mg/kg	1	4500-N(org)/NH3	08/09/11 15:58	MJC		
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.31	mg/kg	0.10	6020	08/09/11 15:30	SLS	7440-38-2	
Barium	11.8	mg/kg	1.0	6020	08/09/11 15:30	SLS	7440-39-3	
Cadmium	0.10	mg/kg	0.20	6020	08/09/11 15:30	SLS	7440-43-9	b
Chromium	3.28	mg/kg	0.50	6020	08/09/11 15:30	SLS	7440-47-3	
Copper	28.4	mg/kg	1.0	6020	08/10/11 13:22	SLS	7440-50-8	
Iron	1,560	mg/kg	3.5	6020	08/10/11 13:22	SLS	7439-89-6	
Lead	3.92	mg/kg	0.30	6020	08/09/11 15:30	SLS	7439-92-1	
Selenium	0.19	mg/kg	0.50	6020	08/09/11 15:30	SLS	7782-49-2	b
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/11/11 22:34	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-58-7	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/11/11 22:34	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	88-06-2	

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 17:52	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	67-64-1	
Carbon disulfide	0.61	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-35-4	
Methylene chloride	1.58	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-34-3	
cis-1,2-Dichloroethene	28.68	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	56-23-5	
Benzene	1.22	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	107-06-2	
Trichloroethene	5.54	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	10061-01-5	
Toluene	7.73	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-34-5	
Ethylbenzene	2.07	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	100-41-4	J
p,m-Xylene	3.84	ug/kg	12	Low 5035/8260B	08/11/11 17:52	JGH		J
o-Xylene	1.58	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	541-73-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	120-82-1	

Lab Sample ID: S49576.05
Sample Tag: EB-SB-29-080211
Collected Date/Time: 08/02/2011 12:25
Matrix: Water
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
2	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 16:36	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	7005-72-3	
Caprolactam	0.23	ug/L	10	8270C	08/09/11 16:36	PL	105-60-2	J
Carbazole	5.20	ug/L	10	8270C	08/09/11 16:36	PL	86-74-8	J
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 16:36	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 16:36	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	131-11-3	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.05 (continued)
Sample Tag: EB-SB-29-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	4.3	ug/L	5	8270C	08/09/11 16:36	PL	117-81-7	BJ
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 16:36	PL		
Carbazole	Completed			8270C	08/09/11 16:36	PL	86-74-8	
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 16:36	PL	117-81-7	
7,7',8,8',11,11',1.psi.-cartene.psi.	Completed			8270C	08/09/11 16:36	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:13	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:13	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:13	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:13	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:13	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-71-8	
Chloromethane	0.200	ug/L	1	8260B	08/04/11 15:13	WAT	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-01-4	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.05 (continued)
Sample Tag: EB-SB-29-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 15:13	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-35-4	
Methylene chloride	0.29	ug/L	5	8260B	08/04/11 15:13	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:13	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:13	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	107-06-2	
Trichloroethene	0.360	ug/L	1	8260B	08/04/11 15:13	WAT	79-01-6	J
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	541-73-1	
1,4-Dichlorobenzene	0.060	ug/L	1	8260B	08/04/11 15:13	WAT	106-46-7	BJ
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:13	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49576.06
Sample Tag: SB-36-080211-12-13.3
Collected Date/Time: 08/02/2011 14:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,580	mg/kg	10	410.4	08/16/11 18:11	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:54	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:54	JDP	14797-65-0	
TOC	2.0	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	280	mg/kg	1	4500-N(org)/NH3	08/09/11 16:06	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.35	mg/kg	0.10	6020	08/09/11 15:33	SLS	7440-38-2	
Barium	14.4	mg/kg	1.0	6020	08/09/11 15:33	SLS	7440-39-3	
Cadmium	0.05	mg/kg	0.20	6020	08/09/11 15:33	SLS	7440-43-9	b
Chromium	2.52	mg/kg	0.50	6020	08/09/11 15:33	SLS	7440-47-3	
Copper	13.5	mg/kg	1.0	6020	08/10/11 13:25	SLS	7440-50-8	
Iron	2,730	mg/kg	3.5	6020	08/10/11 13:25	SLS	7439-89-6	
Lead	9.18	mg/kg	0.30	6020	08/09/11 15:33	SLS	7439-92-1	
Selenium	0.15	mg/kg	0.50	6020	08/09/11 15:33	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 18:11	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	76-13-1	
Acetone	5.1	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	67-64-1	
Carbon disulfide	1.05	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-15-0	J
Methyl Acetate	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-35-4	
Methylene chloride	1.57	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-34-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.06 (continued)
Sample Tag: SB-36-080211-12-13.3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	55.02	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	156-59-2	
Chloroform	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	56-23-5	
Benzene	1.05	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	107-06-2	
Trichloroethene	2.52	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	10061-01-5	
Toluene	6.08	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-00-5	
Tetrachloroethene	0.73	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	127-18-4	J
Dibromochloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-34-5	
Ethylbenzene	1.62	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	100-41-4	J
p,m-Xylene	2.83	ug/kg	10	Low 5035/8260B	08/11/11 18:11	JGH		J
o-Xylene	0.94	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	95-47-6	J
Styrene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	98-82-8	
Bromoform	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49576.07
Sample Tag: SB-35-080211-12-13.5
Collected Date/Time: 08/02/2011 14:55
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,900	mg/kg	10	410.4	08/16/11 18:11	MJC		
Nitrate-N	41	mg/kg	5	300.0	08/15/11 11:06	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:06	JDP	14797-65-0	
TOC	0.41	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	282	mg/kg	1	4500-N(org)/NH3	08/09/11 16:33	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.90	mg/kg	0.10	6020	08/09/11 15:36	SLS	7440-38-2	
Barium	32.4	mg/kg	1.0	6020	08/09/11 15:36	SLS	7440-39-3	
Cadmium	0.10	mg/kg	0.20	6020	08/09/11 15:36	SLS	7440-43-9	b
Chromium	3.70	mg/kg	0.50	6020	08/09/11 15:36	SLS	7440-47-3	
Copper	10.0	mg/kg	1.0	6020	08/10/11 13:27	SLS	7440-50-8	
Iron	2,840	mg/kg	3.6	6020	08/10/11 13:27	SLS	7439-89-6	
Lead	12.6	mg/kg	0.30	6020	08/09/11 15:36	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 15:36	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 18:31	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-35-4	
Methylene chloride	1.89	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-34-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.07 (continued)
Sample Tag: SB-35-080211-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	30.03	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	56-23-5	
Benzene	1.09	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	107-06-2	
Trichloroethene	16.13	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	10061-01-5	
Toluene	7.26	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-34-5	
Ethylbenzene	1.72	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	100-41-4	J
p,m-Xylene	3.26	ug/kg	12	Low 5035/8260B	08/11/11 18:31	JGH		J
o-Xylene	1.03	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Analytical Laboratory Report

Lab Sample ID: S49576.08
Sample Tag: SB-33-080211-10-12
Collected Date/Time: 08/02/2011 15:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,510	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	4	mg/kg	5	300.0	08/15/11 11:17	JDP	14797-55-8	J
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:17	JDP	14797-65-0	
TOC	0.42	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	213	mg/kg	1	4500-N(org)/NH3	08/09/11 16:40	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.99	mg/kg	0.10	6020	08/09/11 15:39	SLS	7440-38-2	
Barium	15.8	mg/kg	1.0	6020	08/09/11 15:39	SLS	7440-39-3	
Cadmium	0.04	mg/kg	0.20	6020	08/09/11 15:39	SLS	7440-43-9	b
Chromium	36.2	mg/kg	0.50	6020	08/09/11 15:39	SLS	7440-47-3	
Copper	0.2	mg/kg	1.0	6020	08/10/11 13:29	SLS	7440-50-8	b
Iron	1,820	mg/kg	3.7	6020	08/10/11 13:29	SLS	7439-89-6	
Lead	3.20	mg/kg	0.30	6020	08/09/11 15:39	SLS	7439-92-1	
Selenium	0.14	mg/kg	0.50	6020	08/09/11 15:39	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 20:43	JGH		
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	76-13-1	Y
Acetone	Not detected	ug/kg	10,000	5035/8260B	08/12/11 20:43	JGH	67-64-1	Y
Carbon disulfide	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-15-0	Y
Methyl Acetate	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/kg	10,000	5035/8260B	08/12/11 20:43	JGH	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-71-8	Y
Chloromethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	74-87-3	Y
Vinyl chloride	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	75-01-4	Y
Bromomethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	74-83-9	Y
Chloroethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-35-4	Y
Methylene chloride	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	156-60-5	Y

J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49576.08 (continued)
Sample Tag: SB-33-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1-Dichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	156-59-2	Y
Chloroform	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	71-55-6	Y
Cyclohexane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	108-10-1	Y
2-Hexanone	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	591-78-6	Y
Carbon tetrachloride	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	56-23-5	Y
Benzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	107-06-2	Y
Trichloroethene	41,670	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	78-87-5	Y
Bromodichloromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-27-4	Y
Methyl cyclohexane	170	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-87-2	JY
cis-1,3-Dichloropropene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	10061-01-5	Y
Toluene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-00-5	Y
Tetrachloroethene	570	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	127-18-4	JY
Dibromochloromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	106-93-4	Y
Chlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-34-5	Y
Ethylbenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH		Y
o-Xylene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	95-47-6	Y
Styrene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	100-42-5	Y
Isopropylbenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	98-82-8	Y
Bromoform	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	120-82-1	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.09
Sample Tag: SB-33-080211-12-13.1
Collected Date/Time: 08/02/2011 15:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,890	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	9	mg/kg	5	300.0	08/15/11 11:29	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:29	JDP	14797-65-0	
TOC	0.18	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	135	mg/kg	1	4500-N(org)/NH3	08/09/11 16:48	MJC		
Total Solids	91	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.49	mg/kg	0.10	6020	08/09/11 15:42	SLS	7440-38-2	
Barium	43.3	mg/kg	1.0	6020	08/09/11 15:42	SLS	7440-39-3	
Cadmium	0.97	mg/kg	0.20	6020	08/09/11 15:42	SLS	7440-43-9	
Chromium	37.1	mg/kg	0.50	6020	08/09/11 15:42	SLS	7440-47-3	
Copper	329	mg/kg	1.0	6020	08/10/11 13:32	SLS	7440-50-8	
Iron	4,120	mg/kg	3.3	6020	08/10/11 13:32	SLS	7439-89-6	
Lead	38.0	mg/kg	0.30	6020	08/09/11 15:42	SLS	7439-92-1	
Selenium	0.20	mg/kg	0.50	6020	08/09/11 15:42	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	76-13-1	Y
Acetone	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-15-0	Y
Methyl Acetate	3.6	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-20-9	JY
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-71-8	Y
Chloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-01-4	Y
Bromomethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	74-83-9	Y
Chloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	156-59-2	Y

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.09 (continued)
Sample Tag: SB-33-080211-12-13.1

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	56-23-5	Y
Benzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	107-06-2	Y
Trichloroethene	655.2	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	10061-01-5	Y
Toluene	0.99	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-88-3	JY
trans-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-00-5	Y
Tetrachloroethene	13.2	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	24	Low 5035/8260B	08/12/11 17:35	WAT		Y
o-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	95-47-6	Y
Styrene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	98-82-8	Y
Bromoform	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	08/12/11 15:02	JGH		
2-Pentene, 2,4,4-trimethyl	Found			8260B	08/12/11 15:02	JGH		

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.10
Sample Tag: SB-31-080211-12-13.4
Collected Date/Time: 08/02/2011 16:40
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,720	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 11:40	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:40	JDP	14797-65-0	
TOC	0.33	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	174	mg/kg	1	4500-N(org)/NH3	08/09/11 16:58	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.98	mg/kg	0.10	6020	08/09/11 15:59	SLS	7440-38-2	
Barium	15.6	mg/kg	1.0	6020	08/09/11 15:59	SLS	7440-39-3	
Cadmium	0.47	mg/kg	0.20	6020	08/09/11 15:59	SLS	7440-43-9	
Chromium	21.8	mg/kg	0.50	6020	08/09/11 15:59	SLS	7440-47-3	
Copper	1.1	mg/kg	1.0	6020	08/10/11 13:44	SLS	7440-50-8	
Iron	2,380	mg/kg	3.8	6020	08/10/11 13:44	SLS	7439-89-6	
Lead	5.41	mg/kg	0.30	6020	08/09/11 15:59	SLS	7439-92-1	
Selenium	0.23	mg/kg	0.50	6020	08/09/11 15:59	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:21	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-34-3	
cis-1,2-Dichloroethene	2.59	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	156-59-2	J

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.10 (continued)
Sample Tag: SB-31-080211-12-13.4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	56-23-5	
Benzene	1.67	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	107-06-2	
Trichloroethene	271.34	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	10061-01-5	
Toluene	2.82	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-00-5	
Tetrachloroethene	11.56	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	100-41-4	
p,m-Xylene	0.98	ug/kg	12	Low 5035/8260B	08/12/11 15:21	WAT		J
o-Xylene	0.40	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.11
Sample Tag: DUP-080211
Collected Date/Time: 08/02/2011 08:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/11/11 23:08	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	53-70-3	

Lab Sample ID: S49576.11 (continued)
Sample Tag: DUP-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/11/11 23:08	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:40	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	67-64-1	
Carbon disulfide	1.36	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	74-87-3	
Vinyl chloride	13.58	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-69-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.11 (continued)
Sample Tag: DUP-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-35-4	
Methylene chloride	0.57	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-09-2	J
trans-1,2-Dichloroethene	4.20	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-34-3	
cis-1,2-Dichloroethene	129.45	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	56-23-5	
Benzene	1.70	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	107-06-2	
Trichloroethene	6.53	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	10061-01-5	
Toluene	2.84	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 15:40	WAT		
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.12
Sample Tag: DUP-080311
Collected Date/Time: 08/03/2011 09:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	76-13-1	X
Acetone	Not detected	ug/kg	960	5035/8260B	08/12/11 19:44	JGH	67-64-1	X
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-15-0	X
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	79-20-9	X
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	1634-04-4	X
2-Butanone (MEK)	Not detected	ug/kg	960	5035/8260B	08/12/11 19:44	JGH	78-93-3	X
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-71-8	X
Chloromethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	74-87-3	X
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	75-01-4	X
Bromomethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	74-83-9	X
Chloroethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-00-3	X
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	75-69-4	X
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-35-4	X
Methylene chloride	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-09-2	X
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	156-60-5	X
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-34-3	X
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	156-59-2	X
Chloroform	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	67-66-3	X
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	71-55-6	X
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	110-82-7	X
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	108-10-1	X
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	591-78-6	X
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	56-23-5	X
Benzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	71-43-2	X
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	107-06-2	X
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	79-01-6	X
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	78-87-5	X
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-27-4	X
Methyl cyclohexane	14	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-87-2	JX
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	10061-01-5	X
Toluene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-88-3	X
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	10061-02-6	X
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	127-18-4	X
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	124-48-1	X
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	106-93-4	X
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-90-7	X

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.12 (continued)
Sample Tag: DUP-080311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	4,000	5035/8260B	08/12/11 19:44	JGH	79-34-5	X
Ethylbenzene	26	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	100-41-4	JX
p,m-Xylene	42	ug/kg	60	5035/8260B	08/12/11 19:44	JGH		JX
o-Xylene	148	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	95-47-6	X
Styrene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	100-42-5	X
Isopropylbenzene	180	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	98-82-8	X
Bromoform	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-25-2	X
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	541-73-1	X
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	106-46-7	X
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	95-50-1	X
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	96-12-8	X
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	120-82-1	X
TICs Volatiles								
TICs	Completed			8260B	08/12/11 19:44	JGH		
1,3,5-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	108-67-8	
1,2,4-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	95-63-6	
p-Isopropyltoluene	Found			8260B	08/12/11 19:44	JGH	99-87-6	
1,2,3-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	526-73-8	
n-Butylbenzene	Found			8260B	08/12/11 19:44	JGH	104-51-8	
Cyclohexane, propyl-	Found			8260B	08/12/11 19:44	JGH		
Naphthalene, decahydro-	Found			8260B	08/12/11 19:44	JGH		
Nonane, 4-methyl-	Found			8260B	08/12/11 19:44	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 19:44	JGH		
Benzene, 1-ethyl-2-methyl-	Found			8260B	08/12/11 19:44	JGH		

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.13
Sample Tag: SB-30-080311-12-13.5
Collected Date/Time: 08/03/2011 08:45
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,590	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 11:52	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:52	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	199	mg/kg	1	4500-N(org)/NH3	08/09/11 17:04	MJC		
Total Solids	89	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.80	mg/kg	0.10	6020	08/09/11 16:02	SLS	7440-38-2	
Barium	8.8	mg/kg	1.0	6020	08/09/11 16:02	SLS	7440-39-3	
Cadmium	0.02	mg/kg	0.20	6020	08/09/11 16:02	SLS	7440-43-9	b
Chromium	1.08	mg/kg	0.50	6020	08/09/11 16:02	SLS	7440-47-3	
Copper	1.8	mg/kg	1.0	6020	08/10/11 13:46	SLS	7440-50-8	
Iron	1,330	mg/kg	3.4	6020	08/10/11 13:46	SLS	7439-89-6	
Lead	3.20	mg/kg	0.30	6020	08/09/11 16:02	SLS	7439-92-1	
Selenium	0.17	mg/kg	0.50	6020	08/09/11 16:02	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:59	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-35-4	
Methylene chloride	0.73	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-09-2	J
trans-1,2-Dichloroethene	1.35	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-34-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.13 (continued)
Sample Tag: SB-30-080311-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	317.53	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	56-23-5	
Benzene	1.63	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	107-06-2	
Trichloroethene	79.41	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	10061-01-5	
Toluene	2.53	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	100-41-4	
p,m-Xylene	0.84	ug/kg	12	Low 5035/8260B	08/12/11 15:59	WAT		J
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.14
Sample Tag: SB-34-080311-4-6
Collected Date/Time: 08/03/2011 09:34
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	9,330	mg/kg	10	410.4	08/16/11 18:13	MJC		
Nitrate-N	5	mg/kg	4	300.0	08/15/11 12:14	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	4	300.0	08/15/11 12:14	JDP	14797-65-0	
TOC	0.28	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	292	mg/kg	1	4500-N(org)/NH3	08/09/11 17:14	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.43	mg/kg	0.10	6020	08/09/11 16:05	SLS	7440-38-2	
Barium	21.4	mg/kg	1.0	6020	08/09/11 16:05	SLS	7440-39-3	
Cadmium	0.05	mg/kg	0.20	6020	08/09/11 16:05	SLS	7440-43-9	b
Chromium	2.93	mg/kg	0.50	6020	08/09/11 16:05	SLS	7440-47-3	
Copper	0.4	mg/kg	1.0	6020	08/10/11 13:48	SLS	7440-50-8	b
Iron	3,450	mg/kg	3.4	6020	08/10/11 13:48	SLS	7439-89-6	
Lead	11.1	mg/kg	0.30	6020	08/09/11 16:05	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 16:05	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 16:18	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	156-59-2	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S49576.14 (continued)
Sample Tag: SB-34-080311-4-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	56-23-5	
Benzene	1.78	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	107-06-2	
Trichloroethene	33.93	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	10061-01-5	
Toluene	2.59	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	100-41-4	
p,m-Xylene	0.98	ug/kg	12	Low 5035/8260B	08/12/11 16:18	WAT		J
o-Xylene	0.46	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.15
Sample Tag: SB-32-080311-12-14.5
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	3,610	mg/kg	10	410.4	08/16/11 18:13	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:01	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:01	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	144	mg/kg	1	4500-N(org)/NH3	08/09/11 17:30	MJC		
Total Solids	84	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.53	mg/kg	0.10	6020	08/09/11 16:08	SLS	7440-38-2	
Barium	9.5	mg/kg	1.0	6020	08/09/11 16:08	SLS	7440-39-3	
Cadmium	0.04	mg/kg	0.20	6020	08/09/11 16:08	SLS	7440-43-9	b
Chromium	0.94	mg/kg	0.50	6020	08/09/11 16:08	SLS	7440-47-3	
Copper	0.4	mg/kg	1.0	6020	08/10/11 13:51	SLS	7440-50-8	b
Iron	1,240	mg/kg	4	6020	08/10/11 13:51	SLS	7439-89-6	
Lead	2.32	mg/kg	0.30	6020	08/09/11 16:08	SLS	7439-92-1	
Selenium	0.15	mg/kg	0.50	6020	08/09/11 16:08	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 16:37	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-35-4	
Methylene chloride	0.54	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-34-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.15 (continued)
Sample Tag: SB-32-080311-12-14.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	34.51	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	56-23-5	
Benzene	1.67	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	107-06-2	
Trichloroethene	19.28	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	10061-01-5	
Toluene	2.62	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-00-5	
Tetrachloroethene	45.34	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 16:37	WAT		
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.16
Sample Tag: SB-26-080311-13-15
Collected Date/Time: 08/03/2011 11:05
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,490	mg/kg	10	410.4	08/16/11 18:14	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:12	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:12	JDP	14797-65-0	
TOC	0.26	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	289	mg/kg	1	4500-N(org)/NH3	08/09/11 17:38	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.87	mg/kg	0.10	6020	08/09/11 16:10	SLS	7440-38-2	
Barium	22.3	mg/kg	1.0	6020	08/09/11 16:10	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	08/09/11 16:10	SLS	7440-43-9	
Chromium	2.34	mg/kg	0.50	6020	08/09/11 16:10	SLS	7440-47-3	
Copper	Not detected	mg/kg	1.0	6020	08/10/11 13:53	SLS	7440-50-8	
Iron	2,690	mg/kg	3.6	6020	08/10/11 13:53	SLS	7439-89-6	
Lead	8.22	mg/kg	0.30	6020	08/09/11 16:10	SLS	7439-92-1	
Selenium	0.16	mg/kg	0.50	6020	08/09/11 16:10	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	76-13-1	
Acetone	14.1	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	67-64-1	
Carbon disulfide	0.75	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-35-4	
Methylene chloride	1.32	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-34-3	
cis-1,2-Dichloroethene	30.19	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	67-66-3	

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.16 (continued)
Sample Tag: SB-26-080311-13-15

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	71-55-6	
Cyclohexane	4.2	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	110-82-7	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	56-23-5	
Benzene	1.90	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-27-4	
Methyl cyclohexane	8.34	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	10061-01-5	
Toluene	2.53	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-34-5	
Ethylbenzene	0.81	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	100-41-4	J
p,m-Xylene	1.38	ug/kg	12	Low 5035/8260B	08/12/11 16:56	WAT		J
o-Xylene	1.15	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	100-42-5	
Isopropylbenzene	1.15	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	98-82-8	J
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 16:56	JGH		
Benzene, 2-ethyl-1,3-dimethyl	Found			8260B	08/12/11 16:56	JGH		
1-Methylnaphthalene	Found			8260B	08/12/11 16:56	JGH	90-12-0	
1H-Indene, 2,3-dihydro-1,3-dimethyl	Found			8260B	08/12/11 16:56	JGH		
Benzene, 2-butenyl	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-methyl-3-(1-methylethyl)-	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-methyl-2-propyl-	Found			8260B	08/12/11 16:56	JGH		
1H-Indene, 2,3-dihydro-1,2-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
1H-Indene, 2,3-dihydro-4,7-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-ethyl-2,3-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
Naphthalene	Found			8260B	08/12/11 16:56	JGH	91-20-3	

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.17
Sample Tag: SB-26-080311-6-8
Collected Date/Time: 08/03/2011 11:05
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	15,300	mg/kg	100	410.4	08/16/11 18:14	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:24	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:24	JDP	14797-65-0	
TOC	0.45	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	523	mg/kg	1	4500-N(org)/NH3	08/09/11 17:47	MJC		
Total Solids	78	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	2.19	mg/kg	0.10	6020	08/09/11 16:13	SLS	7440-38-2	
Barium	63.6	mg/kg	1.0	6020	08/09/11 16:13	SLS	7440-39-3	
Cadmium	0.06	mg/kg	0.20	6020	08/09/11 16:13	SLS	7440-43-9	b
Chromium	2.79	mg/kg	0.50	6020	08/09/11 16:13	SLS	7440-47-3	
Copper	52.0	mg/kg	1.0	6020	08/10/11 13:55	SLS	7440-50-8	
Iron	4,170	mg/kg	4.1	6020	08/10/11 13:55	SLS	7439-89-6	
Lead	17.6	mg/kg	0.30	6020	08/09/11 16:13	SLS	7439-92-1	
Selenium	0.48	mg/kg	0.50	6020	08/09/11 16:13	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	76-13-1	YX
Acetone	Not detected	ug/kg	2,300	5035/8260B	08/12/11 21:02	JGH	67-64-1	YX
Carbon disulfide	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-15-0	YX
Methyl Acetate	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	79-20-9	YX
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	1634-04-4	YX
2-Butanone (MEK)	Not detected	ug/kg	2,300	5035/8260B	08/12/11 21:02	JGH	78-93-3	YX
Dichlorodifluoromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-71-8	YX
Chloromethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	74-87-3	YX
Vinyl chloride	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	75-01-4	YX
Bromomethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	74-83-9	YX
Chloroethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-00-3	YX
Trichlorofluoromethane	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	75-69-4	YX
1,1-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-35-4	YX
Methylene chloride	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-09-2	YX
trans-1,2-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	156-60-5	YX
1,1-Dichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-34-3	YX
cis-1,2-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	156-59-2	YX
Chloroform	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	67-66-3	YX

O-Analysis performed by outside laboratory. See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49576.17 (continued)
Sample Tag: SB-26-080311-6-8

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	71-55-6	YX
Cyclohexane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	110-82-7	YX
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	108-10-1	YX
2-Hexanone	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	591-78-6	YX
Carbon tetrachloride	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	56-23-5	YX
Benzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	71-43-2	YX
1,2-Dichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	107-06-2	YX
Trichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	79-01-6	YX
1,2-Dichloropropane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	78-87-5	YX
Bromodichloromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-27-4	YX
Methyl cyclohexane	266	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-87-2	YX
cis-1,3-Dichloropropene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	10061-01-5	YX
Toluene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-88-3	YX
trans-1,3-Dichloropropene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	10061-02-6	YX
1,1,2-Trichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	79-00-5	YX
Tetrachloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	127-18-4	YX
Dibromochloromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	124-48-1	YX
1,2-Dibromoethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	106-93-4	YX
Chlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-90-7	YX
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	2,000	5035/8260B	08/12/11 21:02	JGH	79-34-5	YX
Ethylbenzene	881	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	100-41-4	YX
p,m-Xylene	924	ug/kg	200	5035/8260B	08/12/11 21:02	JGH		YX
o-Xylene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	95-47-6	YX
Styrene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	100-42-5	YX
Isopropylbenzene	528	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	98-82-8	YX
Bromoform	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-25-2	YX
1,3-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	541-73-1	YX
1,4-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	106-46-7	YX
1,2-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	95-50-1	YX
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	96-12-8	YX
1,2,4-Trichlorobenzene	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	120-82-1	YX
TICs Volatiles								
TICs	Completed			8260B	08/12/11 21:02	JGH		
1,2,4-Trimethylbenzene	Found			8260B	08/12/11 21:02	JGH	95-63-6	
1,2,3-Trimethylbenzene	Found			8260B	08/12/11 21:02	JGH	526-73-8	
Naphthalene	Found			8260B	08/12/11 21:02	JGH	91-20-3	
2-Methylnaphthalene	Found			8260B	08/12/11 21:02	JGH	91-57-6	
1-Methylnaphthalene	Found			8260B	08/12/11 21:02	JGH	90-12-0	
Benzene, 2-ethyl-1,4-dimethyl-	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-ethyl-2-methyl-	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1,4-diethyl	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-ethyl-2,4-dimethyl	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-methyl-4-propyl	Found			8260B	08/12/11 21:02	JGH		

Y-Elevated reporting limit due to high target concentration X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49576.18
Sample Tag: SB-38-080311-6-8
Collected Date/Time: 08/03/2011 12:00
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	84-66-2	

Lab Sample ID: S49576.18 (continued)
Sample Tag: SB-38-080311-6-8

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	430	ug/kg	330	8270C	08/12/11 14:30	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 14:30	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/12/11 14:30	PL		
Pentadecane, 2,6,10,14- tetramethyl-	Completed			8270C	08/12/11 14:30	PL		
Nonane, 4-methyl-	Completed			8270C	08/12/11 14:30	PL		
Cyclohexane, (2-methylpropyl)	Completed			8270C	08/12/11 14:30	PL		
Nonane, 3,7-dimethyl-	Completed			8270C	08/12/11 14:30	PL		
Cyclohexane, 1-methyl-2-propyl-	Completed			8270C	08/12/11 14:30	PL		
Decane, 4-methyl-	Completed			8270C	08/12/11 14:30	PL		
Decane, 5-methyl-	Completed			8270C	08/12/11 14:30	PL		
Undecane, 5,6-dimethyl-	Completed			8270C	08/12/11 14:30	PL		
Decane	Completed			8270C	08/12/11 14:30	PL	124-18-5	
Decane, 2-methyl-	Completed			8270C	08/12/11 14:30	PL		

B-Compound also found in associated method blank

Lab Sample ID: S49576.19
Sample Tag: SB-39-080311-2-4
Collected Date/Time: 08/03/2011 12:40
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	78	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 21:16	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	53-70-3	

Lab Sample ID: S49576.19 (continued)
Sample Tag: SB-39-080311-2-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	350	ug/kg	330	8270C	08/12/11 21:16	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 21:16	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	88-06-2	

B-Compound also found in associated method blank

Lab Sample ID: S49576.20
Sample Tag: SB-40-080311-4-6
Collected Date/Time: 08/03/2011 11:40
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 15:03	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	53-70-3	

Lab Sample ID: S49576.20 (continued)
Sample Tag: SB-40-080311-4-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 15:03	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	88-06-2	

Lab Sample ID: S49576.21
Sample Tag: SB-41-080311-2-4
Collected Date/Time: 08/03/2011 14:00
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	75	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 15:37	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	53-70-3	

Lab Sample ID: S49576.21 (continued)
Sample Tag: SB-41-080311-2-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 15:37	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49576.22
Sample Tag: EB-SB-41-080311
Collected Date/Time: 08/03/2011 13:08
Matrix: Water
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:32	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:32	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:32	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:32	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:32	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-71-8	
Chloromethane	0.290	ug/L	1	8260B	08/04/11 15:32	WAT	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 15:32	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-35-4	
Methylene chloride	0.58	ug/L	5	8260B	08/04/11 15:32	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:32	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:32	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	100-41-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.22 (continued)
Sample Tag: EB-SB-41-080311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	541-73-1	
1,4-Dichlorobenzene	0.060	ug/L	1	8260B	08/04/11 15:32	WAT	106-46-7	BJ
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:32	WAT	120-82-1	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49576.23
Sample Tag: SB-32-080311-12-14.5 MS
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	267.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	76-13-1	1
Acetone	334.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	67-64-1	1
Carbon disulfide	306.71	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-15-0	1
Methyl Acetate	298.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-20-9	1
tert-Methyl butyl ether (MTBE)	336.05	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	1634-04-4	1
2-Butanone (MEK)	306.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	78-93-3	1
Dichlorodifluoromethane	185.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-71-8	1
Chloromethane	256.22	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	74-87-3	1
Vinyl chloride	269.87	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-01-4	1
Bromomethane	326.1	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	74-83-9	1
Chloroethane	332.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-00-3	1
Trichlorofluoromethane	312.40	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-69-4	1
1,1-Dichloroethene	296.72	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-35-4	1
Methylene chloride	315.08	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-09-2	1
trans-1,2-Dichloroethene	312.58	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	156-60-5	1
1,1-Dichloroethane	317.92	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-34-3	1
cis-1,2-Dichloroethene	326.70	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	156-59-2	1
Chloroform	324.60	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	67-66-3	1
1,1,1-Trichloroethane	325.30	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	71-55-6	1
Cyclohexane	247.3	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	110-82-7	1
4-Methyl-2-pentanone (MIBK)	318.0	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-10-1	1
2-Hexanone	320.0	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	591-78-6	1
Carbon tetrachloride	291.95	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	56-23-5	1
Benzene	296.54	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	71-43-2	1
1,2-Dichloroethane	297.41	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	107-06-2	1
Trichloroethene	311.13	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-01-6	1
1,2-Dichloropropane	308.98	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	78-87-5	1
Bromodichloromethane	295.85	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-27-4	1
Methyl cyclohexane	269.58	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-87-2	1
cis-1,3-Dichloropropene	293.29	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	10061-01-5	1
Toluene	296.31	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-88-3	1
trans-1,3-Dichloropropene	302.53	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	10061-02-6	1
1,1,2-Trichloroethane	312.93	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-00-5	1
Tetrachloroethene	274.81	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	127-18-4	1
Dibromochloromethane	305.66	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	124-48-1	1
1,2-Dibromoethane	312.64	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	106-93-4	1
Chlorobenzene	294.28	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-90-7	1
1,1,2,2-Tetrachloroethane	306.36	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-34-5	1

1-Spiked at 0.25mg/kg dry weight

Lab Sample ID: S49576.23 (continued)
Sample Tag: SB-32-080311-12-14.5 MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Ethylbenzene	294.16	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	100-41-4	1
p,m-Xylene	594.89	ug/kg	12	Low 5035/8260B	08/12/11 18:14	WAT		1
o-Xylene	308.16	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	95-47-6	1
Styrene	292.01	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	100-42-5	1
Isopropylbenzene	300.38	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	98-82-8	1
Bromoform	315.37	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-25-2	1
1,3-Dichlorobenzene	295.90	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	541-73-1	1
1,4-Dichlorobenzene	288.29	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	106-46-7	1
1,2-Dichlorobenzene	299.68	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	95-50-1	1
1,2-Dibromo-3-chloropropane	349.47	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	96-12-8	1
1,2,4-Trichlorobenzene	278.12	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	120-82-1	1

1-Spiked at 0.25mg/kg dry weight

Analytical Laboratory Report

Lab Sample ID: S49576.24
Sample Tag: SB-32-080311-12-14.5 MSD
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	284.3	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	76-13-1	1
Acetone	343.1	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	67-64-1	1
Carbon disulfide	329.19	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-15-0	1
Methyl Acetate	317.6	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-20-9	1
tert-Methyl butyl ether (MTBE)	355.51	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	1634-04-4	1
2-Butanone (MEK)	322.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	78-93-3	1
Dichlorodifluoromethane	197.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-71-8	1
Chloromethane	269.18	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	74-87-3	1
Vinyl chloride	303.98	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-01-4	1
Bromomethane	339.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	74-83-9	1
Chloroethane	354.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-00-3	1
Trichlorofluoromethane	332.33	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-69-4	1
1,1-Dichloroethene	313.86	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-35-4	1
Methylene chloride	334.60	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-09-2	1
trans-1,2-Dichloroethene	333.09	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	156-60-5	1
1,1-Dichloroethane	338.26	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-34-3	1
cis-1,2-Dichloroethene	455.68	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	156-59-2	1
Chloroform	349.06	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	67-66-3	1
1,1,1-Trichloroethane	349.94	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	71-55-6	1
Cyclohexane	263.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	110-82-7	1
4-Methyl-2-pentanone (MIBK)	333.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-10-1	1
2-Hexanone	321.0	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	591-78-6	1
Carbon tetrachloride	308.86	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	56-23-5	1
Benzene	309.27	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	71-43-2	1
1,2-Dichloroethane	311.76	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	107-06-2	1
Trichloroethene	355.05	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-01-6	1
1,2-Dichloropropane	319.96	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	78-87-5	1
Bromodichloromethane	315.19	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-27-4	1
Methyl cyclohexane	280.80	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-87-2	1
cis-1,3-Dichloropropene	310.08	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	10061-01-5	1
Toluene	307.06	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-88-3	1
trans-1,3-Dichloropropene	317.57	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	10061-02-6	1
1,1,2-Trichloroethane	324.66	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-00-5	1
Tetrachloroethene	354.24	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	127-18-4	1
Dibromochloromethane	326.75	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	124-48-1	1
1,2-Dibromoethane	332.16	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	106-93-4	1
Chlorobenzene	305.61	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-90-7	1
1,1,2,2-Tetrachloroethane	323.97	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-34-5	1

1-Spiked at 0.25mg/kg dry weight

Lab Sample ID: S49576.24 (continued)
Sample Tag: SB-32-080311-12-14.5 MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Ethylbenzene	308.34	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	100-41-4	1
p,m-Xylene	615.51	ug/kg	12	Low 5035/8260B	08/12/11 18:33	WAT		1
o-Xylene	318.85	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	95-47-6	1
Styrene	302.24	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	100-42-5	1
Isopropylbenzene	309.61	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	98-82-8	1
Bromoform	337.27	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-25-2	1
1,3-Dichlorobenzene	312.46	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	541-73-1	1
1,4-Dichlorobenzene	302.64	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	106-46-7	1
1,2-Dichlorobenzene	322.05	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	95-50-1	1
1,2-Dibromo-3-chloropropane	373.82	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	96-12-8	1
1,2,4-Trichlorobenzene	290.56	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	120-82-1	1

1-Spiked at 0.25mg/kg dry weight

Lab Sample ID: S49576.25
Sample Tag: Trip Blank 2
Collected Date/Time: 08/02/2011 00:01
Matrix: Water
COC Reference: 63688

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:50	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:50	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:50	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 15:50	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:50	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:50	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT		

Lab Sample ID: S49576.25 (continued)
Sample Tag: Trip Blank 2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:50	WAT	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S49576.26
Sample Tag: Trip Blank 3
Collected Date/Time: 08/02/2011 00:01
Matrix: Water
COC Reference: 63688

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 16:08	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 16:08	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 16:08	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 16:08	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 16:08	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 16:08	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	10061-01-5	
Toluene	0.080	ug/L	1	8260B	08/04/11 16:08	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	100-41-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.26 (continued)
Sample Tag: Trip Blank 3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 16:08	WAT	120-82-1	

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C.O.C. PAGE # 1 OF 3

63686

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews Street, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: 585-263-2820 FAX NO.: 585-263-2869 P.O. NO.:
E-MAIL ADDRESS: Jeremy.Wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: As above X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47.362 / 24 Seneca
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Anthony DiNardo

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR X STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III X OTHER CAT B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: 30 TICs required for SVOC and VOC samples

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOC	MTBE	8270 SVOC	Select Metals*	Natural Oxidant Demand	
495601	8/2/11	0930	SB-25-080211-10-12	S	2	X							X	X		X	X	
.02	8/2/11	1022	SB-27-080211-10-12	S	2	X							X	X		X	X	
.03	8/2/11	1124	SB-28-080211-12-13.5	S	2	X							X	X		X	X	
.04	8/2/11	1207	SB-29-080211-12-13.7	S	2	X							X	X	X	X	X	
.05	8/2/11	1225	[redacted] EB-SB-29-080211	W	4	X	X						X	X	X			
.06	8/2/11	1400	SB-36-080211-12-13.3	S	2	X							X	X		X	X	
.07	8/2/11	1455	SB-35-080211-12-13.5	S	2	X							X	X		X	X	
.08	8/2/11	1530	SB-33-080211-10-12	S	2	X							X	X		X	X	
.09	8/2/11	1530	SB-33-080211-12-13.1	S	2	X							X	X		X	X	
.10	8/2/11	1640	SB-31-080211-12-13.4	S	2	X							X	X		X	X	
.11	8/2/11	0800	DUP-080211	S	2	X							X	X	X	X	X	Blind Dup
.12	8/3/11	0900	DUP-080311	S	1	X							X	X				Blind Dup

* select metals include arsenic, barium, cadmium, chromium, copper, iron, lead, selenium

NOD - oxidizable matter, both organic and inorganic

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Chris Lee / O'Brien & Gere	8/3/11	4pm
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Fed Ex	8/3/11	4pm
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	8-4-11	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 3

63687

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: 585-263-2820 FAX NO.: 585-263-2869 P.O. NO.:
E-MAIL ADDRESS: Jeremy.Wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: As above ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Anthony DiNardo

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER CAT B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: 30 TICs required for SVOC and VOC samples

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOC	MTBE	8270 SVOC	Select Metals*	Natural Oxidant Demand						
49576.13	8/3/11	0845	SB-30-080311-12-13.5	S	2	X							X	X		X	X						
.14	8/3/11	0934	SB-34-080311-4-6	S	2	X							X	X		X	X						
.15	8/3/11	1010	SB-32-080311-12-14.5	S	2	X							X	X		X	X						
.16	8/3/11	1105	SB-26-080311-13-15	S	2	X							X	X		X	X						
.17	8/3/11	1105	SB-26-080311-6-8	S	2	X							X	X		X	X	(HOLD)					
.18	8/3/11	1200	SB-38-080311-6-8	S	1	X									X								
.19	8/3/11	1240	SB-39-080311-2-4	S	1	X									X								
.20	8/3/11	1140	SB-40-080311-4-6	S	1	X									X								
.21	8/3/11	1400	SB-41-080311-2-4	S	1	X									X								
.22	8/3/11	1308	EB-SB-41-080311	M	3		X						X	X									
.23	8/3/11	1010	SB-32-080311-MS-12-14.5	S	2	X							X	X									
.24	8/3/11	1010	SB-32-080311-MSD-12-14.5	S	2	X							X	X									

* Select Metals include arsenic, barium, cadmium, chromium, copper, iron, lead, selenium

NOD – oxidizable matter both organic and inorganic

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Fed Ex / O'Brien & Gere	8/3/11	4pm
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
	8/3/11	4pm
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
	DATE 8-4-11	TIME 1000
RECEIVED BY: SIGNATURE/ORGANIZATION		

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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63688

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO: 585-263-7820 FAX NO: 585-263-7869 P.O. NO.:
E-MAIL ADDRESS: Jeremy.Wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: As above X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca
SAMPLER(S) - PLEASE PRINT/SIGN NAME: AMD

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER CAT B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

SPECIAL INSTRUCTIONS/NOTES: 30 TICs for VOCs

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs	8260 TICs
495625			TRIP BLANK 2		1		X						X	X
626			TRIP BLANK 3		1		X						X	X

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Fed Ex	8/3/11	4pm
RELINQUISHED BY: SIGNATURE/ORGANIZATION	8/3/11	4pm
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	8-4-11	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 4.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S50131.01(01)
Generated on 09/23/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S50131.01
Project: 47362/ 24 Seneca COR
Collected Date: 09/21/2011
Submitted Date/Time: 09/22/2011 10:00
Sampled by: A.DiNardo/A. Young
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S50131.01	DW-1-092111-AQ	Liquid	09/21/2011 12:30

Analytical Laboratory Report

Lab Sample ID: S50131.01
Sample Tag: DW-1-092111-AQ
Collected Date/Time: 09/21/2011 12:30
Matrix: Liquid
COC Reference: 62076

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	3.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	09/22/11 11:43	PL		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	83-32-9	X
Acenaphthylene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	208-96-8	X
Acetophenone	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	98-86-2	
Anthracene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	120-12-7	X
Atrazine	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	101-55-3	
di-n-Butyl phthalate	4.4	ug/L	5	8270C	09/22/11 19:03	PL	84-74-2	J
Benzaldehyde	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	7005-72-3	
Caprolactam	19	ug/L	10	8270C	09/22/11 19:03	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/22/11 19:03	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	108-60-1	
Chrysene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/22/11 19:03	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	53-70-3	X
Dibenzofuran	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	132-64-9	
Diethyl phthalate	2.9	ug/L	5	8270C	09/22/11 19:03	PL	84-66-2	J
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	131-11-3	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S50131.01 (continued)
Sample Tag: DW-1-092111-AQ

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	13	ug/L	5	8270C	09/22/11 19:03	PL	117-81-7	
Fluoranthene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	206-44-0	X
Fluorene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	193-39-5	X
Isophorone	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	91-57-6	X
2-Methylphenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	86-30-6	
Naphthalene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	91-20-3	X
Nitrobenzene	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/22/11 19:03	PL	87-86-5	
Phenanthrene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	85-01-8	X
Phenol	12	ug/L	5	8270C	09/22/11 19:03	PL	108-95-2	
Pyrene	Not detected	ug/L	4	8270C	09/22/11 19:03	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/22/11 19:03	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Found			8270C	09/22/11 19:03	PL		
TPH DRO (~C14-C32)	Found			8270C	09/22/11 19:03	PL		
2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	Found			8270C	09/22/11 19:03	PL		
Ethanone, 1-[4-(1-hydroxy-1-methylethyl)phenyl]	Found			8270C	09/22/11 19:03	PL		
2-Propanol, 1-[2-(2-methoxy-1-methylethoxy)1-methy	Found			8270C	09/22/11 19:03	PL		
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	Found			8270C	09/22/11 19:03	PL		
2-Butanol, 3,3'-oxybis-	Found			8270C	09/22/11 19:03	PL		
1-Naphthalenamine, N-phenyl	Found			8270C	09/22/11 19:03	PL		
Pentanedioic acid, dimethyl ester	Found			8270C	09/22/11 19:03	PL		
Hexanoic acid	Found			8270C	09/22/11 19:03	PL		
Butandioic acid, dimethyl ester	Found			8270C	09/22/11 19:03	PL		

X-Elevated reporting limit due to matrix interference

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

1 cooler

62076

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien + Gere
ADDRESS: 400 Andrews Street, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: (585) 263-2820 FAX NO.: (585) 263-2869 P.O. NO.:
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. DiNardo / A. Young

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Cat B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8270 SVOCs+30 TICs	SPECIAL INSTRUCTIONS/NOTES
50131.01	9/21/11	1230	DW-1-092111-AQ	M	2	X							✓	Resample of DW-1 from 8/24/11

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
A. DiNardo / O'Brien&Gere	9/21	1630
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
[signature]	9-22-11	1000

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL 3.2
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S49791.01(01)
Generated on 09/16/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49791.01-S49791.08
Project: 47362/ 24 Seneca COR
Collected Date: 08/22/2011 - 08/23/2011
Submitted Date/Time: 08/24/2011 09:35
Sampled by: A.DiNardo/AY/JW
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49791.01	RIZ-7-082211	Water	08/22/2011 10:45
S49791.02	MW-5-082211	Water	08/22/2011 16:00
S49791.03	TB-082211	Water	08/22/2011 00:01
S49791.04	RIZ-9-082311	Water	08/23/2011 09:35
S49791.05	RIZ-3-082311	Water	08/23/2011 10:18
S49791.06	EB-01-082311	Water	08/23/2011 12:10
S49791.07	MW-8-082311	Water	08/23/2011 13:05
S49791.08	MW-4-082311	Water	08/23/2011 15:50

Analytical Laboratory Report

Lab Sample ID: S49791.01
Sample Tag: RIZ-7-082211
Collected Date/Time: 08/22/2011 10:45
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
4	40ml Glass	HCL	Yes	4.1	IR
2	40ml Glass	H2SO4	Yes	4.1	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.1	IR
1	125ml Plastic	HNO3	Yes	4.1	IR
1	125ml Plastic	NaOH	Yes	4.1	IR
1	500ml Plastic	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/24/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	336	mg/L	1	2320B	08/26/11 16:20	JKB		
Chloride	18	mg/L	2	300.0	08/24/11 11:42	JDP	16887-00-6	
Ferrous Iron	0.16	mg/L	0.05	3500FeB/HACH8146	08/26/11 13:20	JKB		
Nitrate-N	Not detected	mg/L	0.25	300.0	08/24/11 11:42	JDP	14797-55-8	F
Nitrite-N	Not detected	mg/L	0.25	300.0	08/24/11 11:42	JDP	14797-65-0	F
Sulfate	5	mg/L	2	300.0	08/24/11 11:42	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/26/11 14:36	JDP	18496-25-8	
TOC	2	mg/L	1	EPA 415.1	08/24/11 22:13	JKB		
Metals								
Iron, Dissolved	0.07	mg/L	0.02	200.8	08/24/11 13:02	SLS	7439-89-6	
Manganese, Dissolved	0.058	mg/L	0.005	200.8	08/24/11 13:02	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 00:15	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 00:15	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	85-68-7	

F-Analysis run outside of holding time

Lab Sample ID: S49791.01 (continued)
Sample Tag: RIZ-7-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 00:15	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 00:15	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 00:15	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 00:15	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 00:15	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 00:15	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	95-95-4	

Lab Sample ID: S49791.01 (continued)
Sample Tag: RIZ-7-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:15	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 15:44	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 15:44	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 15:44	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 15:44	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 15:44	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 15:44	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 15:44	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 15:44	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 15:44	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 15:44	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 15:44	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 15:44	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 15:44	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	98-82-8	

Lab Sample ID: S49791.01 (continued)
Sample Tag: RIZ-7-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Bromoform	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 15:44	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 15:44	WAT	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<4.0	ug/L	4.0	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<4.0	ug/L	4.0	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	1,300	ug/L	2.0	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analytical Laboratory Report

Lab Sample ID: S49791.02
Sample Tag: MW-5-082211
Collected Date/Time: 08/22/2011 16:00
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
4	40ml Glass	HCL	Yes	4.1	IR
2	40ml Glass	H2SO4	Yes	4.1	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.1	IR
1	125ml Plastic	HNO3	Yes	4.1	IR
1	125ml Plastic	NaOH	Yes	4.1	IR
1	500ml Plastic	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/24/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	498	mg/L	1	2320B	08/26/11 16:30	JKB		
Chloride	3,620	mg/L	500	300.0	08/24/11 15:02	JDP	16887-00-6	
Ferrous Iron	Not detected	mg/L	0.05	3500FeB/HACH8146	08/26/11 13:30	JKB		
Nitrate-N	1.89	mg/L	0.5	300.0	08/24/11 13:40	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.05	354.1	08/24/11 14:46	JDP	14797-65-0	
Sulfate	292	mg/L	50	300.0	08/24/11 13:51	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/26/11 14:44	JDP	18496-25-8	
TOC	4	mg/L	1	EPA 415.1	08/24/11 22:35	JKB		
Metals								
Iron, Dissolved	0.04	mg/L	0.02	200.8	08/24/11 13:05	SLS	7439-89-6	
Manganese, Dissolved	0.103	mg/L	0.005	200.8	08/24/11 13:05	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 00:48	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 00:48	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	91-58-7	

Lab Sample ID: S49791.02 (continued)
Sample Tag: MW-5-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 00:48	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 00:48	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 00:48	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 00:48	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 00:48	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 00:48	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 00:48	PL	88-06-2	

Lab Sample ID: S49791.02 (continued)
Sample Tag: MW-5-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 16:02	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 16:02	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 16:02	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 16:02	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 16:02	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 16:02	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 16:02	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 16:02	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 16:02	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 16:02	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 16:02	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 16:02	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 16:02	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	95-50-1	

Lab Sample ID: S49791.02 (continued)
Sample Tag: MW-5-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 16:02	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 16:02	WAT	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	33	ug/L	0.50	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49791.03
Sample Tag: TB-082211
Collected Date/Time: 08/22/2011 00:01
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 16:20	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 16:20	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 16:20	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 16:20	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 16:20	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 16:20	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 16:20	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 16:20	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 16:20	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 16:20	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 16:20	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 16:20	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 16:20	WAT		

Lab Sample ID: S49791.03 (continued)
Sample Tag: TB-082211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 16:20	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 16:20	WAT	120-82-1	

Lab Sample ID: S49791.04
Sample Tag: RIZ-9-082311
Collected Date/Time: 08/23/2011 09:35
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
4	40ml Glass	HCL	Yes	4.1	IR
2	40ml Glass	H2SO4	Yes	4.1	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.1	IR
1	125ml Plastic	HNO3	Yes	4.1	IR
1	125ml Plastic	NaOH	Yes	4.1	IR
1	500ml Plastic	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/24/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	62	mg/L	1	2320B	08/26/11 16:45	JKB		
Chloride	4	mg/L	2	300.0	08/24/11 12:41	JDP	16887-00-6	
Ferrous Iron	0.07	mg/L	0.05	3500FeB/HACH8146	08/26/11 13:45	JKB		
Nitrate-N	0.22	mg/L	0.25	300.0	08/24/11 12:41	JDP	14797-55-8	J
Nitrite-N	Not detected	mg/L	0.25	300.0	08/24/11 12:41	JDP	14797-65-0	
Sulfate	7	mg/L	2	300.0	08/24/11 12:41	JDP	14808-79-8	
Sulfide	0.05	mg/L	0.04	4500-S2 D	08/26/11 14:46	JDP	18496-25-8	
TOC	8	mg/L	1	EPA 415.1	08/24/11 22:55	JKB		
Metals								
Iron, Dissolved	0.06	mg/L	0.02	200.8	08/24/11 13:07	SLS	7439-89-6	
Manganese, Dissolved	0.060	mg/L	0.005	200.8	08/24/11 13:07	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 04:40	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	100-52-7	
Benzo(a)anthracene	1.76	ug/L	2	8270C	09/05/11 04:40	PL	56-55-3	JX
Benzo(a)pyrene	2.80	ug/L	2	8270C	09/05/11 04:40	PL	50-32-8	
Benzo(b)fluoranthene	4.2	ug/L	2	8270C	09/05/11 04:40	PL	205-99-2	
Benzo(ghi)perylene	2.40	ug/L	2	8270C	09/05/11 04:40	PL	191-24-2	
Benzo(k)fluoranthene	3.64	ug/L	2	8270C	09/05/11 04:40	PL	207-08-9	

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49791.04 (continued)
Sample Tag: RIZ-9-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 04:40	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 04:40	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	108-60-1	
Chrysene	4.6	ug/L	2	8270C	09/05/11 04:40	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 04:40	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	132-64-9	
Diethyl phthalate	0.64	ug/L	5	8270C	09/05/11 04:40	PL	84-66-2	J
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	4.3	ug/L	5	8270C	09/05/11 04:40	PL	117-81-7	J
Fluoranthene	4.84	ug/L	2	8270C	09/05/11 04:40	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	2.0	ug/L	2	8270C	09/05/11 04:40	PL	193-39-5	J
Isophorone	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 04:40	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 04:40	PL	87-86-5	
Phenanthrene	1.48	ug/L	2	8270C	09/05/11 04:40	PL	85-01-8	J

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49791.04 (continued)
Sample Tag: RIZ-9-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Phenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	108-95-2	
Pyrene	4.56	ug/L	2	8270C	09/05/11 04:40	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:40	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 16:38	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 16:38	WAT	76-13-1	
Acetone	9.0	ug/L	20	8260B	08/29/11 16:38	WAT	67-64-1	J
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 16:38	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 16:38	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 16:38	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 16:38	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 16:38	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 16:38	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 16:38	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 16:38	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 16:38	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	100-41-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49791.04 (continued)
Sample Tag: RIZ-9-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 16:38	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 16:38	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 16:38	WAT	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	5.0	ug/L	2.0	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<2.0	ug/L	2.0	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	83	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49791.05
Sample Tag: RIZ-3-082311
Collected Date/Time: 08/23/2011 10:18
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 16:56	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 16:56	WAT	76-13-1	
Acetone	9.2	ug/L	20	8260B	08/29/11 16:56	WAT	67-64-1	J
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 16:56	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 16:56	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 16:56	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 16:56	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 16:56	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 16:56	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 16:56	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 16:56	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 16:56	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	100-41-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49791.05 (continued)
Sample Tag: RIZ-3-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 16:56	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 16:56	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 16:56	WAT	120-82-1	

Lab Sample ID: S49791.06
Sample Tag: EB-01-082311
Collected Date/Time: 08/23/2011 12:10
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
2	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 01:21	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 01:21	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 01:21	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 01:21	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 01:21	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 01:21	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	84-66-2	

Lab Sample ID: S49791.06 (continued)
Sample Tag: EB-01-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 01:21	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 01:21	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:21	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 17:14	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 17:14	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 17:14	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 17:14	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 17:14	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 17:14	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 17:14	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 17:14	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 17:14	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	156-60-5	

Lab Sample ID: S49791.06 (continued)
Sample Tag: EB-01-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 17:14	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 17:14	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 17:14	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 17:14	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 17:14	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 17:14	WAT	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S49791.07
Sample Tag: MW-8-082311
Collected Date/Time: 08/23/2011 13:05
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
4	40ml Glass	HCL	Yes	4.1	IR
2	40ml Glass	H2SO4	Yes	4.1	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.1	IR
1	125ml Plastic	HNO3	Yes	4.1	IR
1	125ml Plastic	NaOH	Yes	4.1	IR
1	500ml Plastic	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/24/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	401	mg/L	1	2320B	08/26/11 16:50	JKB		
Chloride	163	mg/L	10	300.0	08/24/11 14:03	JDP	16887-00-6	
Ferrous Iron	Not detected	mg/L	0.05	3500FeB/HACH8146	08/26/11 13:50	JKB		
Nitrate-N	1.81	mg/L	0.25	300.0	08/24/11 12:53	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.25	300.0	08/24/11 12:53	JDP	14797-65-0	
Sulfate	60	mg/L	10	300.0	08/24/11 14:03	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/26/11 14:48	JDP	18496-25-8	
TOC	2	mg/L	1	EPA 415.1	08/24/11 23:16	JKB		
Metals								
Iron, Dissolved	Not detected	mg/L	0.02	200.8	08/24/11 13:09	SLS	7439-89-6	
Manganese, Dissolved	0.005	mg/L	0.005	200.8	08/24/11 13:09	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 01:55	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 01:55	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	91-58-7	

Lab Sample ID: S49791.07 (continued)
Sample Tag: MW-8-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 01:55	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 01:55	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 01:55	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 01:55	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 01:55	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 01:55	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 01:55	PL	88-06-2	

Lab Sample ID: S49791.07 (continued)
Sample Tag: MW-8-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 17:32	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 17:32	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 17:32	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 17:32	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 17:32	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 17:32	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 17:32	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	74-87-3	
Vinyl chloride	3.11	ug/L	1	8260B	08/29/11 17:32	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 17:32	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 17:32	WAT	75-09-2	
trans-1,2-Dichloroethene	1.340	ug/L	1	8260B	08/29/11 17:32	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-34-3	
cis-1,2-Dichloroethene	135.07	ug/L	1	8260B	08/29/11 17:32	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 17:32	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 17:32	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	107-06-2	
Trichloroethene	104.910	ug/L	1	8260B	08/29/11 17:32	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 17:32	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 17:32	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	95-50-1	

Lab Sample ID: S49791.07 (continued)
Sample Tag: MW-8-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 17:32	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 17:32	WAT	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	4.3	ug/L	0.50	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analytical Laboratory Report

Lab Sample ID: S49791.08
Sample Tag: MW-4-082311
Collected Date/Time: 08/23/2011 15:50
Matrix: Water
COC Reference: 62073

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
4	40ml Glass	HCL	Yes	4.1	IR
2	40ml Glass	H2SO4	Yes	4.1	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.1	IR
1	125ml Plastic	HNO3	Yes	4.1	IR
1	125ml Plastic	NaOH	Yes	4.1	IR
1	500ml Plastic	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/24/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	284	mg/L	1	2320B	08/26/11 16:55	JKB		
Chloride	319	mg/L	20	300.0	08/24/11 14:14	JDP	16887-00-6	
Ferrous Iron	0.06	mg/L	0.05	3500FeB/HACH8146	08/26/11 13:55	JKB		
Nitrate-N	0.29	mg/L	0.25	300.0	08/24/11 13:04	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.25	300.0	08/24/11 13:04	JDP	14797-65-0	
Sulfate	61	mg/L	2	300.0	08/24/11 13:04	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/26/11 14:50	JDP	18496-25-8	
TOC	3	mg/L	1	EPA 415.1	08/24/11 23:36	JKB		
Metals								
Iron, Dissolved	0.07	mg/L	0.02	200.8	08/24/11 13:12	SLS	7439-89-6	
Manganese, Dissolved	0.087	mg/L	0.005	200.8	08/24/11 13:12	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 04:07	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	83-32-9	X
Acenaphthylene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	208-96-8	X
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	98-86-2	
Anthracene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	120-12-7	X
Atrazine	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	85-68-7	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49791.08 (continued)
Sample Tag: MW-4-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 04:07	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 04:07	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	108-60-1	
Chrysene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 04:07	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	117-81-7	
Fluoranthene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	206-44-0	X
Fluorene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	193-39-5	X
Isophorone	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	91-57-6	X
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	86-30-6	
Naphthalene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	91-20-3	X
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 04:07	PL	87-86-5	
Phenanthrene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	85-01-8	X
Phenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	108-95-2	
Pyrene	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	129-00-0	X

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49791.08 (continued)
Sample Tag: MW-4-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 04:07	PL	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/30/11 16:14	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/30/11 16:14	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/30/11 16:14	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/30/11 16:14	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/30/11 16:14	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/30/11 16:14	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	74-87-3	
Vinyl chloride	63.53	ug/L	1	8260B	08/30/11 16:14	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/30/11 16:14	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/30/11 16:14	WAT	75-09-2	
trans-1,2-Dichloroethene	0.580	ug/L	1	8260B	08/30/11 16:14	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-34-3	
cis-1,2-Dichloroethene	86.62	ug/L	1	8260B	08/30/11 16:14	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	71-55-6	
Cyclohexane	0.54	ug/L	1	8260B	08/30/11 16:14	WAT	110-82-7	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/30/11 16:14	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/30/11 16:14	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	56-23-5	
Benzene	0.350	ug/L	1	8260B	08/30/11 16:14	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	107-06-2	
Trichloroethene	1.620	ug/L	1	8260B	08/30/11 16:14	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-27-4	
Methyl cyclohexane	0.240	ug/L	20	8260B	08/30/11 16:14	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	10061-01-5	
Toluene	0.130	ug/L	1	8260B	08/30/11 16:14	WAT	108-88-3	BJ
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/30/11 16:14	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	100-42-5	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Lab Sample ID: S49791.08 (continued)
Sample Tag: MW-4-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Isopropylbenzene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	75-25-2	
1,3-Dichlorobenzene	0.040	ug/L	1	8260B	08/30/11 16:14	WAT	541-73-1	BJ
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/30/11 16:14	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/30/11 16:14	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/29/11 17:50	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 17:50	JGH		
Pentane, 2-methyl-	Found			8260B	08/29/11 17:50	JGH		
Pentane, 3-methyl-	Found			8260B	08/29/11 17:50	JGH		
Cyclobutane, ethyl-	Found			8260B	08/29/11 17:50	JGH		
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<10	ug/L	10	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<10	ug/L	10	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	260	ug/L	5.0	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

Note: 2 Coolers

62073

CHAIN OF CUSTODY RECORD

All VOCs in TRIP Blank Cooler

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien + Gere
ADDRESS: 400 Andrews St. Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: (585) 263-2820 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A.DiNardo / A.Young / J Wolf

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Category B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs + 30 MTBE	8270 SVOCs + 30 TICs	Monitored Natural Attenuation (MNA)	SPECIAL INSTRUCTIONS/NOTES
49791.01	8/22	1045	RIZ-7-082211	GW	13	3	6	1	2	1			✓	✓	✓	MNA=Sulfide, Ethene, Ethane, Methane, Chloride, TOC, Alkalinity, Sulfate, Nitrite, Nitrate, ~~Dissolved Ferrous Iron~~, Total dissolved Fe + Mn
.02	8/22	1600	MW-5-082211	GW	13	3	6	1	2	1			✓	✓	✓	
.03	8/22	-	TB-082211	GW	1		1						✓			
.04	8/23	0935	RIZ-9-082311	GW	13	3	6	1	2	1			✓	✓	✓	
.05	8/23	1018	RIZ-3-082311	GW	2	X	2						✓			
.06	8/23	1210	EB-01-082311	GW	4	2	2						✓	✓		
.07	8/23	1305	MW-8-082311	GW	13	3	6	1	2	1			✓	✓	✓	
.08	8/23	1550	MW-4-082311	GW	13	3	6	1	2	1			✓	✓	✓	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Jay Wolf	DATE: 8/23/11	TIME: 1800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION: Merit	DATE: 8-24-11	TIME: 0935

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL 4.1
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S49803.01(01)
Generated on 09/16/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49803.01-S49803.08
Project: 47362/ 24 Seneca COR
Collected Date: 08/24/2011
Submitted Date/Time: 08/25/2011 09:40
Sampled by: A.DiNardo/A.Young
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49803.01	MW-6-082411	Water	08/24/2011 07:35
S49803.02	EB-02-082411	Water	08/24/2011 09:10
S49803.03	OW101-082411	Water	08/24/2011 09:50
S49803.04	DUP-082411	Water	08/24/2011 07:55
S49803.05	MW-1-082411	Water	08/24/2011 12:50
S49803.06	RIZ-4-082411	Water	08/24/2011 13:11
S49803.07	TB-082411	Water	08/24/2011 00:01
S49803.08	MW-3-082411	Water	08/24/2011 15:35

Analytical Laboratory Report

Lab Sample ID: S49803.01
Sample Tag: MW-6-082411
Collected Date/Time: 08/24/2011 07:35
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
4	40ml Glass	HCL	Yes	4.9	IR
2	40ml Glass	H2SO4	Yes	4.9	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR
1	125ml Plastic	NaOH	Yes	4.9	IR
1	500ml Plastic	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	454	mg/L	1	2320B	08/26/11 17:00	JKB		
Chloride	554	mg/L	50	300.0	08/26/11 07:16	JDP	16887-00-6	
Ferrous Iron	0.06	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:00	JKB		
Nitrate-N	Not detected	mg/L	0.5	300.0	08/26/11 06:30	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 06:30	JDP	14797-65-0	
Sulfate	87	mg/L	5	300.0	08/26/11 06:30	JDP	14808-79-8	
Sulfide	0.07	mg/L	0.04	4500-S2 D	08/26/11 14:52	JDP	18496-25-8	
TOC	3	mg/L	1	EPA 415.1	08/25/11 14:21	JKB		
Metals								
Iron, Dissolved	0.06	mg/L	0.02	200.8	08/29/11 15:13	SLS	7439-89-6	
Manganese, Dissolved	0.012	mg/L	0.005	200.8	08/29/11 15:13	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	Not Found			8270C	09/05/11 03:01	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 03:01	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	91-58-7	

Lab Sample ID: S49803.01 (continued)
Sample Tag: MW-6-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 03:01	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 03:01	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 03:01	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 03:01	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	132-64-9	
Diethyl phthalate	0.87	ug/L	5	8270C	09/05/11 03:01	PL	84-66-2	J
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	1.9	ug/L	5	8270C	09/05/11 03:01	PL	117-81-7	J
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 03:01	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 03:01	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	95-95-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49803.01 (continued)
Sample Tag: MW-6-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 03:01	PL	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 18:08	WAT	76-13-1	
Acetone	25.2	ug/L	20	8260B	08/29/11 18:08	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 18:08	WAT	75-15-0	
Methyl Acetate	53.72	ug/L	10	8260B	08/29/11 18:08	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	15.910	ug/L	5	8260B	08/29/11 18:08	WAT	1634-04-4	
2-Butanone (MEK)	5.01	ug/L	20	8260B	08/29/11 18:08	WAT	78-93-3	J
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 18:08	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 18:08	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-34-3	
cis-1,2-Dichloroethene	0.39	ug/L	1	8260B	08/29/11 18:08	WAT	156-59-2	J
Chloroform	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	5	8260B	08/29/11 18:08	WAT	110-82-7	X
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 18:08	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 18:08	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	56-23-5	
Benzene	0.260	ug/L	1	8260B	08/29/11 18:08	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-27-4	
Methyl cyclohexane	1.440	ug/L	20	8260B	08/29/11 18:08	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	10061-01-5	
Toluene	0.140	ug/L	1	8260B	08/29/11 18:08	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 18:08	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	98-82-8	

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49803.01 (continued)
Sample Tag: MW-6-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Bromoform	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	75-25-2	
1,3-Dichlorobenzene	0.050	ug/L	1	8260B	08/29/11 18:08	WAT	541-73-1	BJ
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 18:08	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 18:08	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/29/11 18:08	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 18:08	JGH		
Pentane, 2,3-dimethyl-	Found			8260B	08/29/11 18:08	JGH		
Butane, 2,2,3,3-tetramethyl-	Found			8260B	08/29/11 18:08	JGH		
Pentane, 2,3,4-trimethyl	Found			8260B	08/29/11 18:08	JGH		
Pentane, 2,3,3-trimethyl	Found			8260B	08/29/11 18:08	JGH		
Benzene, 1,4-diethyl	Found			8260B	08/29/11 18:08	JGH		
Cyclohexane, 1,3,-dimethyl-,cis-	Found			8260B	08/29/11 18:08	JGH		
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<20	ug/L	20	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<20	ug/L	20	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	440	ug/L	10	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49803.02
Sample Tag: EB-02-082411
Collected Date/Time: 08/24/2011 09:10
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
2	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 19:18	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 19:18	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 19:18	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 19:18	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 19:18	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	117-81-7	

Lab Sample ID: S49803.02 (continued)
Sample Tag: EB-02-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 19:18	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 19:18	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:18	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 19:18	PL		
Ethanol, 2-(2-(phenylmethoxy)ethoxy)-	Completed			8270C	09/06/11 19:18	PL		
Ethanol, 2-(phenylmethoxy)-	Completed			8270C	09/06/11 19:18	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 18:27	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 18:27	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 18:27	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 18:27	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 18:27	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 18:27	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 18:27	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 18:27	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-69-4	

Lab Sample ID: S49803.02 (continued)
Sample Tag: EB-02-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 18:27	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 18:27	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 18:27	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 18:27	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 18:27	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 18:27	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 18:27	WAT	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S49803.03
Sample Tag: OW101-082411
Collected Date/Time: 08/24/2011 09:50
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 18:45	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	200	8260B	09/01/11 17:04	WAT	76-13-1	Y
Acetone	Not detected	ug/L	100	8260B	09/01/11 17:04	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	30	8260B	09/01/11 17:04	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	50	8260B	09/01/11 17:04	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	30	8260B	09/01/11 17:04	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	100	8260B	09/01/11 17:04	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	74-87-3	Y
Vinyl chloride	27.85	ug/L	5	8260B	09/01/11 17:04	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	10	8260B	09/01/11 17:04	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	30	8260B	09/01/11 17:04	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-34-3	Y
cis-1,2-Dichloroethene	292.10	ug/L	5	8260B	09/01/11 17:04	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	09/01/11 17:04	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	300	8260B	09/01/11 17:04	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	56-23-5	Y
Benzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	107-06-2	Y
Trichloroethene	73.25	ug/L	5	8260B	09/01/11 17:04	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	100	8260B	09/01/11 17:04	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	10061-01-5	Y
Toluene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	100-41-4	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49803.03 (continued)
Sample Tag: OW101-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	10	8260B	09/01/11 17:04	WAT		Y
o-Xylene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	95-47-6	Y
Styrene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	09/01/11 17:04	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 17:04	WAT	120-82-1	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49803.04
Sample Tag: DUP-082411
Collected Date/Time: 08/24/2011 07:55
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
2	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 19:50	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 19:50	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 19:50	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 19:50	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 19:50	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	1.7	ug/L	5	8270C	09/06/11 19:50	PL	117-81-7	J

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49803.04 (continued)
Sample Tag: DUP-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 19:50	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 19:50	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 19:50	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 19:50	PL		
1-Docosene	Completed			8270C	09/06/11 19:50	PL		
1,2,4-Trimethylbenzene	Completed			8270C	09/06/11 19:50	PL	95-63-6	
2,6-Dimethyl-6-nitro-2-hepten-4-one	Completed			8270C	09/06/11 19:50	PL		
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 19:03	WAT	76-13-1	
Acetone	23.6	ug/L	20	8260B	08/29/11 19:03	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 19:03	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 19:03	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	18.660	ug/L	5	8260B	08/29/11 19:03	WAT	1634-04-4	
2-Butanone (MEK)	4.34	ug/L	20	8260B	08/29/11 19:03	WAT	78-93-3	J
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 19:03	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-69-4	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49803.04 (continued)
Sample Tag: DUP-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 19:03	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-34-3	
cis-1,2-Dichloroethene	0.51	ug/L	1	8260B	08/29/11 19:03	WAT	156-59-2	J
Chloroform	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	4	8260B	08/29/11 19:03	WAT	110-82-7	X
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 19:03	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 19:03	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	56-23-5	
Benzene	0.240	ug/L	1	8260B	08/29/11 19:03	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-27-4	
Methyl cyclohexane	1.270	ug/L	20	8260B	08/29/11 19:03	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	10061-01-5	
Toluene	0.140	ug/L	1	8260B	08/29/11 19:03	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 19:03	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	75-25-2	
1,3-Dichlorobenzene	0.040	ug/L	1	8260B	08/29/11 19:03	WAT	541-73-1	BJ
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 19:03	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 19:03	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/29/11 19:03	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 19:03	JGH		
Butane, 2,2-dimethyl-	Found			8260B	08/29/11 19:03	JGH		
Pentane, 2-methyl-	Found			8260B	08/29/11 19:03	JGH		
Pentane, 2,4-dimethyl-	Found			8260B	08/29/11 19:03	JGH		
Pentane. 3.3-dimethyl-	Found			8260B	08/29/11 19:03	JGH		
Pentane, 2,3-dimethyl-	Found			8260B	08/29/11 19:03	JGH		

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference
B-Compound also found in associated method blank

Lab Sample ID: S49803.04 (continued)
Sample Tag: DUP-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TICs Volatiles (continued)								
Butane, 2,2,3,3-tetramethyl-	Found			8260B	08/29/11 19:03	JGH		
Pentane, 2,3,3-trimethyl	Found			8260B	08/29/11 19:03	JGH		
Pentane, 2,3,4-trimethyl	Found			8260B	08/29/11 19:03	JGH		
Cyclohexane, 1,3,-dimethyl-,cis-	Found			8260B	08/29/11 19:03	JGH		

Analytical Laboratory Report

Lab Sample ID: S49803.05
Sample Tag: MW-1-082411
Collected Date/Time: 08/24/2011 12:50
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
4	40ml Glass	HCL	Yes	4.9	IR
2	40ml Glass	H2SO4	Yes	4.9	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR
1	125ml Plastic	NaOH	Yes	4.9	IR
1	500ml Plastic	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	397	mg/L	1	2320B	08/26/11 17:05	JKB		
Chloride	134	mg/L	10	300.0	08/26/11 07:28	JDP	16887-00-6	
Ferrous Iron	0.27	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:05	JKB		
Nitrate-N	0.6	mg/L	0.5	300.0	08/26/11 06:41	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 06:41	JDP	14797-65-0	
Sulfate	91	mg/L	5	300.0	08/26/11 06:41	JDP	14808-79-8	
Sulfide	0.06	mg/L	0.04	4500-S2 D	08/26/11 14:54	JDP	18496-25-8	
TOC	5	mg/L	1	EPA 415.1	08/25/11 14:52	JKB		
Metals								
Iron, Dissolved	0.28	mg/L	0.02	200.8	08/29/11 15:16	SLS	7439-89-6	
Manganese, Dissolved	0.130	mg/L	0.005	200.8	08/29/11 15:16	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	83-32-9	X
Acenaphthylene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	208-96-8	X
Acetophenone	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	98-86-2	
Anthracene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	120-12-7	X
Atrazine	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	95-57-8	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49803.05 (continued)
Sample Tag: MW-1-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/07/11 00:42	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/07/11 00:42	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	108-60-1	
Chrysene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/07/11 00:42	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	53-70-3	X
Dibenzofuran	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	8	8270C	09/07/11 00:42	PL	84-66-2	X
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	5	ug/L	5	8270C	09/07/11 00:42	PL	117-81-7	
Fluoranthene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	206-44-0	X
Fluorene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	193-39-5	X
Isophorone	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	91-57-6	X
2-Methylphenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	86-30-6	
Naphthalene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	91-20-3	X
Nitrobenzene	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/07/11 00:42	PL	87-86-5	
Phenanthrene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	85-01-8	X
Phenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	108-95-2	
Pyrene	Not detected	ug/L	4	8270C	09/07/11 00:42	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/07/11 00:42	PL	88-06-2	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49803.05 (continued)
Sample Tag: MW-1-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TICs Semi-Volatiles								
TICs	Completed			8270C	09/07/11 00:42	PL		
TPH ORO (~C20-C32)	Completed			8270C	09/07/11 00:42	PL		
Tetratetracontane	Completed			8270C	09/07/11 00:42	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 19:21	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 19:21	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 19:21	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 19:21	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 19:21	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	0.180	ug/L	5	8260B	08/29/11 19:21	WAT	1634-04-4	J
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 19:21	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	74-87-3	
Vinyl chloride	2.80	ug/L	1	8260B	08/29/11 19:21	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 19:21	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 19:21	WAT	75-09-2	
trans-1,2-Dichloroethene	0.930	ug/L	1	8260B	08/29/11 19:21	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-34-3	
cis-1,2-Dichloroethene	29.53	ug/L	1	8260B	08/29/11 19:21	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 19:21	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 19:21	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	107-06-2	
Trichloroethene	35.590	ug/L	1	8260B	08/29/11 19:21	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-27-4	
Methyl cyclohexane	0.330	ug/L	20	8260B	08/29/11 19:21	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	10061-01-5	
Toluene	0.150	ug/L	1	8260B	08/29/11 19:21	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	79-00-5	
Tetrachloroethene	0.310	ug/L	1	8260B	08/29/11 19:21	WAT	127-18-4	J
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 19:21	WAT		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49803.05 (continued)
Sample Tag: MW-1-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	75-25-2	
1,3-Dichlorobenzene	0.040	ug/L	1	8260B	08/29/11 19:21	WAT	541-73-1	BJ
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 19:21	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 19:21	WAT	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<1.0	ug/L	1.0	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	3.7	ug/L	0.50	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analytical Laboratory Report

Lab Sample ID: S49803.06
Sample Tag: RIZ-4-082411
Collected Date/Time: 08/24/2011 13:11
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
4	40ml Glass	HCL	Yes	4.9	IR
2	40ml Glass	H2SO4	Yes	4.9	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR
1	125ml Plastic	NaOH	Yes	4.9	IR
1	500ml Plastic	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	203	mg/L	1	2320B	08/26/11 17:10	JKB		
Chloride	43	mg/L	5	300.0	08/26/11 06:53	JDP	16887-00-6	
Ferrous Iron	2.30	mg/L	0.1	3500FeB/HACH8146	08/26/11 14:10	JKB		
Nitrate-N	Not detected	mg/L	0.5	300.0	08/26/11 06:53	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 06:53	JDP	14797-65-0	
Sulfate	6	mg/L	5	300.0	08/26/11 06:53	JDP	14808-79-8	
Sulfide	0.30	mg/L	0.04	4500-S2 D	08/26/11 14:56	JDP	18496-25-8	
TOC	384	mg/L	20	EPA 415.1	08/25/11 15:34	JKB		
Metals								
Iron, Dissolved	5.81	mg/L	0.02	200.8	08/29/11 15:18	SLS	7439-89-6	
Manganese, Dissolved	0.798	mg/L	0.005	200.8	08/29/11 15:18	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	83-32-9	X
Acenaphthylene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	208-96-8	X
Acetophenone	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	98-86-2	
Anthracene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	120-12-7	X
Atrazine	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	50-32-8	XI
Benzo(b)fluoranthene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	205-99-2	XI
Benzo(ghi)perylene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	191-24-2	XI
Benzo(k)fluoranthene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	207-08-9	XI
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	91-58-7	

X-Elevated reporting limit due to matrix interference
I-Matrix interference with internal standard

Lab Sample ID: S49803.06 (continued)
Sample Tag: RIZ-4-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/07/11 01:15	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/07/11 01:15	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	108-60-1	
Chrysene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/07/11 01:15	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	53-70-3	XI
Dibenzofuran	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	132-64-9	
Diethyl phthalate	1.4	ug/L	8	8270C	09/07/11 01:15	PL	84-66-2	JX
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	34	ug/L	5	8270C	09/07/11 01:15	PL	117-81-7	
Fluoranthene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	206-44-0	X
Fluorene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	193-39-5	XI
Isophorone	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	91-57-6	X
2-Methylphenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	86-30-6	
Naphthalene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	91-20-3	X
Nitrobenzene	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	117-84-0	I
Pentachlorophenol	Not detected	ug/L	20	8270C	09/07/11 01:15	PL	87-86-5	
Phenanthrene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	85-01-8	X
Phenol	5.5	ug/L	5	8270C	09/07/11 01:15	PL	108-95-2	

X-Elevated reporting limit due to matrix interference
I-Matrix interference with internal standard
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49803.06 (continued)
Sample Tag: RIZ-4-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Pyrene	Not detected	ug/L	4	8270C	09/07/11 01:15	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/07/11 01:15	PL	88-06-2	
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	83-32-9	X
Acenaphthylene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	208-96-8	X
Acetophenone	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	98-86-2	X
Anthracene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	120-12-7	X
Atrazine	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	84-74-2	X
Benzaldehyde	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	100-52-7	X
Benzo(a)anthracene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	56-55-3	X
Benzo(a)pyrene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	50-32-8	X
Benzo(b)fluoranthene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	205-99-2	X
Benzo(ghi)perylene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	191-24-2	X
Benzo(k)fluoranthene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	85-68-7	X
2-Chloronaphthalene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	91-58-7	X
2-Chlorophenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	59-50-7	X
4-Chloroaniline	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	7005-72-3	X
Caprolactam	Not detected	ug/L	10	8270C	09/09/11 21:23	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/09/11 21:23	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	108-60-1	X
Chrysene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/09/11 21:23	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	51-28-5	X
2,4-Dinitrotoluene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	53-70-3	X
Dibenzofuran	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	132-64-9	X
Diethyl phthalate	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	84-66-2	X
Dimethyl phthalate	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	131-11-3	X
bis(2-Ethylhexyl)phthalate	31	ug/L	6	8270C	09/09/11 21:23	PL	117-81-7	X
Fluoranthene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	206-44-0	X
Fluorene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	118-74-1	X
Hexachlorobutadiene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	77-47-4	X

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49803.06 (continued)
Sample Tag: RIZ-4-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Hexachloroethane	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	67-72-1	X
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	193-39-5	X
Isophorone	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	78-59-1	X
2-Methylnaphthalene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	91-57-6	X
2-Methylphenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	95-48-7	X
3-, 4-Methylphenol	11	ug/L	6	8270C	09/09/11 21:23	PL	3/4-Cresol	X
2-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	88-75-5	X
3-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	86-30-6	X
Naphthalene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	91-20-3	X
Nitrobenzene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	117-84-0	X
Pentachlorophenol	Not detected	ug/L	20	8270C	09/09/11 21:23	PL	87-86-5	
Phenanthrene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	85-01-8	X
Phenol	4.9	ug/L	6	8270C	09/09/11 21:23	PL	108-95-2	XJ
Pyrene	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/L	6	8270C	09/09/11 21:23	PL	88-06-2	X
TICs Semi-Volatiles								
TICs	Completed			8270C	09/07/11 01:15	PL		
TPH DRO (~C12-C32)	Completed			8270C	09/07/11 01:15	PL		
Phenol, 4-(2,2,4-trimethypentyl)-	Completed			8270C	09/07/11 01:15	PL		
Phenol, nonyl-	Completed			8270C	09/07/11 01:15	PL		
Hexanoic acid, 2-ethyl	Completed			8270C	09/07/11 01:15	PL		
Heptanoic Acid	Completed			8270C	09/07/11 01:15	PL		
N,N-Diethyl-Formamide	Completed			8270C	09/07/11 01:15	PL		
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	200	8260B	09/01/11 16:28	WAT	76-13-1	Y
Acetone	416	ug/L	100	8260B	09/01/11 16:28	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	30	8260B	09/01/11 16:28	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	50	8260B	09/01/11 16:28	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	30	8260B	09/01/11 16:28	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	100	8260B	09/01/11 16:28	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	10	8260B	09/01/11 16:28	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-69-4	Y

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49803.06 (continued)
Sample Tag: RIZ-4-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	30	8260B	09/01/11 16:28	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-34-3	Y
cis-1,2-Dichloroethene	5.05	ug/L	5	8260B	09/01/11 16:28	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	3.4	ug/L	50	8260B	09/01/11 16:28	WAT	108-10-1	JY
2-Hexanone	Not detected	ug/L	300	8260B	09/01/11 16:28	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	56-23-5	Y
Benzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	107-06-2	Y
Trichloroethene	6.45	ug/L	5	8260B	09/01/11 16:28	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	100	8260B	09/01/11 16:28	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	10061-01-5	Y
Toluene	0.60	ug/L	5	8260B	09/01/11 16:28	WAT	108-88-3	BJY
trans-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	100-41-4	Y
p,m-Xylene	0.70	ug/L	10	8260B	09/01/11 16:28	WAT		BJY
o-Xylene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	95-47-6	Y
Styrene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	09/01/11 16:28	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 16:28	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	08/29/11 19:39	JGH		
Methanethiol	Found			8260B	08/29/11 19:39	JGH		
Isopropyl Alcohol	Found			8260B	08/29/11 19:39	JGH		
Furan, 2-methyl-	Found			8260B	08/29/11 19:39	JGH		
Furan, 2,5-dimethyl-	Found			8260B	08/29/11 19:39	JGH		
Thiophene, 3-methyl	Found			8260B	08/29/11 19:39	JGH		

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Lab Sample ID: S49803.06 (continued)
Sample Tag: RIZ-4-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<20	ug/L	20	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<20	ug/L	20	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	820	ug/L	10	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49803.07
Sample Tag: TB-082411
Collected Date/Time: 08/24/2011 00:01
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 19:57	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 19:57	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 19:57	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 19:57	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 19:57	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 19:57	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 19:57	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 19:57	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 19:57	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 19:57	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 19:57	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 19:57	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 19:57	WAT		

Lab Sample ID: S49803.07 (continued)
Sample Tag: TB-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 19:57	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 19:57	WAT	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S49803.08
Sample Tag: MW-3-082411
Collected Date/Time: 08/24/2011 15:35
Matrix: Water
COC Reference: 62074

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.9	IR
4	40ml Glass	HCL	Yes	4.9	IR
2	40ml Glass	H2SO4	Yes	4.9	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.9	IR
1	125ml Plastic	HNO3	Yes	4.9	IR
1	125ml Plastic	NaOH	Yes	4.9	IR
1	500ml Plastic	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	441	mg/L	1	2320B	08/26/11 17:15	JKB		
Chloride	469	mg/L	50	300.0	08/26/11 08:14	JDP	16887-00-6	
Ferrous Iron	0.05	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:15	JKB		
Nitrate-N	Not detected	mg/L	0.5	300.0	08/26/11 07:04	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 07:04	JDP	14797-65-0	
Sulfate	9	mg/L	5	300.0	08/26/11 07:04	JDP	14808-79-8	
Sulfide	1.05	mg/L	0.04	4500-S2 D	08/26/11 14:58	JDP	18496-25-8	
TOC	2	mg/L	1	EPA 415.1	08/25/11 15:13	JKB		
Metals								
Iron, Dissolved	0.07	mg/L	0.02	200.8	08/29/11 15:20	SLS	7439-89-6	
Manganese, Dissolved	0.012	mg/L	0.005	200.8	08/29/11 15:20	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 20:23	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	59-50-7	

Lab Sample ID: S49803.08 (continued)
Sample Tag: MW-3-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 20:23	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 20:23	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 20:23	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 20:23	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 20:23	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	85-01-8	
Phenol	8.02	ug/L	5	8270C	09/06/11 20:23	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 20:23	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:23	PL	88-06-2	

Lab Sample ID: S49803.08 (continued)
Sample Tag: MW-3-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 20:23	PL		
Indane	Completed			8270C	09/06/11 20:23	PL		
Benzene, 1,2,4,5-tetramethyl-	Completed			8270C	09/06/11 20:23	PL		
Benzoic acid, 2,4,6-trimethyl	Completed			8270C	09/06/11 20:23	PL		
1,2,4-Trimethylbenzene	Completed			8270C	09/06/11 20:23	PL	95-63-6	
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	200	8260B	09/01/11 17:40	WAT	76-13-1	Y
Acetone	Not detected	ug/L	100	8260B	09/01/11 17:40	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	30	8260B	09/01/11 17:40	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	50	8260B	09/01/11 17:40	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	145.80	ug/L	30	8260B	09/01/11 17:40	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	100	8260B	09/01/11 17:40	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	10	8260B	09/01/11 17:40	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	30	8260B	09/01/11 17:40	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-34-3	Y
cis-1,2-Dichloroethene	1.35	ug/L	5	8260B	09/01/11 17:40	WAT	156-59-2	JY
Chloroform	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	15	8260B	09/01/11 17:40	WAT	110-82-7	XY
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	8260B	09/01/11 17:40	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	300	8260B	09/01/11 17:40	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	56-23-5	Y
Benzene	173.50	ug/L	5	8260B	09/01/11 17:40	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	6	8260B	09/01/11 17:40	WAT	107-06-2	XY
Trichloroethene	1.40	ug/L	5	8260B	09/01/11 17:40	WAT	79-01-6	JY
1,2-Dichloropropane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-27-4	Y
Methyl cyclohexane	7.20	ug/L	100	8260B	09/01/11 17:40	WAT	108-87-2	JY
cis-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	10061-01-5	Y
Toluene	1.90	ug/L	5	8260B	09/01/11 17:40	WAT	108-88-3	BJY
trans-1,3-Dichloropropene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	108-90-7	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference
B-Compound also found in associated method blank

Lab Sample ID: S49803.08 (continued)
Sample Tag: MW-3-082411

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	79-34-5	Y
Ethylbenzene	1.45	ug/L	5	8260B	09/01/11 17:40	WAT	100-41-4	JY
p,m-Xylene	2.15	ug/L	10	8260B	09/01/11 17:40	WAT		BJY
o-Xylene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	95-47-6	Y
Styrene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	100-42-5	Y
Isopropylbenzene	9.10	ug/L	5	8260B	09/01/11 17:40	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	75-25-2	Y
1,3-Dichlorobenzene	0.20	ug/L	5	8260B	09/01/11 17:40	WAT	541-73-1	BJY
1,4-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	8260B	09/01/11 17:40	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 17:40	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	08/29/11 20:15	JGH		
Butane, 2,3-dimethyl-	Found			8260B	08/29/11 20:15	JGH		
Pentane, 2,3-dimethyl-	Found			8260B	08/29/11 20:15	JGH		
Cyclopentane, methyl-	Found			8260B	08/29/11 20:15	JGH		
Pentane, 2,4-dimethyl-	Found			8260B	08/29/11 20:15	JGH		
Butane, 2,2-dimethyl-	Found			8260B	08/29/11 20:15	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 20:15	JGH		
Butane	Found			8260B	08/29/11 20:15	JGH		
Indane	Found			8260B	08/29/11 20:15	JGH		
Cyclopentane, 1,1,3-trimethyl-	Found			8260B	08/29/11 20:15	JGH		
n-Propylbenzene	Found			8260B	08/29/11 20:15	JGH	103-65-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<200	ug/L	200	RSK-175	08/31/11 12:00	Trmx	74-84-0	O1
Ethylene	<200	ug/L	200	RSK-175	08/31/11 12:00	Trmx	74-85-1	O1
Methane	5,500	ug/L	100	RSK-175	08/31/11 12:00	Trmx	74-82-8	O1

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

2 Coolers - Trip Blank in cooler w/ all VOCs in this Shipment

62074

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews St./Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO: (585) 263-2820 FAX NO. P.O. NO.
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.

INVOICE TO

CONTACT NAME X SAME
COMPANY
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO. P.O. NO.

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. DiNardo / A. Young

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Cat B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs + MTBE 30 tics	8270 SVOCs + 30 tics	Monitored Natural Attenuation (MNA)
4980301	8/24	0735	MW-6-082411	GW	13	3	6	1	2	1			✓	✓	✓
.02	8/24	0910	EB-02-082411	GW	4	2	2						✓	✓	
.03	8/24	0950	QW101-082411	GW	2		2						✓		
.04	8/24	0755	DUP-082411	GW	4	2	2						✓	✓	
.05	8/24	1250	MW-1-082411	GW	13	3	6	1	2	1			✓	✓	✓
.06	8/24	1311	RIZ-4-082411	GW	13	3	6	1	2	1			✓	✓	✓
.07	8/24	-	TB-082411	GW	1		1						✓		
.08	8/24	1535	MW-3-082411	GW	13	3	6	1	2	1			✓	✓	✓

SPECIAL INSTRUCTIONS/NOTES

MNA = Sulfide, Ethane, Ethene, Methane, Chloride, TOC, Alkalinity, Sulfate, Nitrite, Nitrate, Dissolved Ferrous Iron, Total dissolved Fe + Mn

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Amanda Young	8/24/11	1730
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Nan R	8-25-11	0940

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

NOTES: TEMP. ON ARRIVAL 4.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S49814.01(01)
Generated on 09/16/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49814.01-S49814.06
Project: 47362/ 24 Seneca COR
Collected Date: 08/23/2011 - 08/25/2011
Submitted Date/Time: 08/26/2011 10:30
Sampled by: A.DiNardo/AYoung
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (6 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49814.01	MW-11-082511	Water	08/25/2011 08:52
S49814.02	DUP-082511	Water	08/25/2011 10:00
S49814.03	MW-12-082511	Water	08/25/2011 11:50
S49814.04	RIZ-3-082311	Water	08/23/2011 10:18
S49814.05	TB-082511	Water	08/25/2011 00:01
S49814.06	MW-9-082511	Water	08/25/2011 15:58

Analytical Laboratory Report

Lab Sample ID: S49814.01
Sample Tag: MW-11-082511
Collected Date/Time: 08/25/2011 08:52
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.5	IR
4	40ml Glass	HCL	Yes	4.5	IR
2	40ml Glass	H2SO4	Yes	4.5	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.5	IR
1	125ml Plastic	HNO3	Yes	4.5	IR
1	125ml Plastic	NaOH	Yes	4.5	IR
1	500ml Plastic	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	400	mg/L	1	2320B	08/26/11 17:25	JKB		
Chloride	425	mg/L	50	300.0	08/26/11 14:41	JDP	16887-00-6	
Ferrous Iron	0.04	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:25	JKB		J
Nitrate-N	1.1	mg/L	0.5	300.0	08/26/11 13:53	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 13:53	JDP	14797-65-0	
Sulfate	43	mg/L	5	300.0	08/26/11 13:53	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/29/11 11:21	JDP	18496-25-8	
TOC	3	mg/L	1	EPA 415.1	08/26/11 13:53	JKB		
Metals								
Iron, Dissolved	0.03	mg/L	0.02	200.8	08/29/11 15:23	SLS	7439-89-6	
Manganese, Dissolved	0.021	mg/L	0.005	200.8	08/29/11 15:23	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 20:55	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	95-57-8	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.01 (continued)
Sample Tag: MW-11-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 20:55	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 20:55	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 20:55	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 20:55	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	132-64-9	
Diethyl phthalate	0.39	ug/L	5	8270C	09/06/11 20:55	PL	84-66-2	J
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	1.5	ug/L	5	8270C	09/06/11 20:55	PL	117-81-7	J
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 20:55	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 20:55	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 20:55	PL	88-06-2	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.01 (continued)
Sample Tag: MW-11-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 20:55	PL		
1-Docosene	Completed			8270C	09/06/11 20:55	PL		
1-Eicosanol	Completed			8270C	09/06/11 20:55	PL		
Benzene, 1-methyl-4-(1-methylethyl)-	Completed			8270C	09/06/11 20:55	PL		
Indane	Completed			8270C	09/06/11 20:55	PL		
1,2,4-Trimethylbenzene	Completed			8270C	09/06/11 20:55	PL	95-63-6	
1,2,3-Trimethylbenzene	Completed			8270C	09/06/11 20:55	PL	526-73-8	
2,6-Dimethyl-6-nitro-2-hepten-4-one	Completed			8270C	09/06/11 20:55	PL		
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 20:33	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 20:33	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 20:33	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 20:33	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	9.970	ug/L	5	8260B	08/29/11 20:33	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 20:33	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 20:33	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 20:33	WAT	75-09-2	
trans-1,2-Dichloroethene	0.220	ug/L	1	8260B	08/29/11 20:33	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-34-3	
cis-1,2-Dichloroethene	70.77	ug/L	1	8260B	08/29/11 20:33	WAT	156-59-2	
Chloroform	0.270	ug/L	1	8260B	08/29/11 20:33	WAT	67-66-3	J
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	71-55-6	
Cyclohexane	53.07	ug/L	1	8260B	08/29/11 20:33	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 20:33	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 20:33	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	56-23-5	
Benzene	0.490	ug/L	1	8260B	08/29/11 20:33	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	107-06-2	
Trichloroethene	50.720	ug/L	1	8260B	08/29/11 20:33	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-27-4	
Methyl cyclohexane	38.940	ug/L	20	8260B	08/29/11 20:33	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	10061-01-5	
Toluene	0.220	ug/L	1	8260B	08/29/11 20:33	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	108-90-7	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.01 (continued)
Sample Tag: MW-11-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	79-34-5	
Ethylbenzene	0.150	ug/L	1	8260B	08/29/11 20:33	WAT	100-41-4	J
p,m-Xylene	0.53	ug/L	2	8260B	08/29/11 20:33	WAT		J
o-Xylene	0.260	ug/L	1	8260B	08/29/11 20:33	WAT	95-47-6	J
Styrene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	100-42-5	
Isopropylbenzene	2.810	ug/L	1	8260B	08/29/11 20:33	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	75-25-2	
1,3-Dichlorobenzene	0.050	ug/L	1	8260B	08/29/11 20:33	WAT	541-73-1	BJ
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 20:33	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 20:33	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/29/11 20:33	JGH		
Butane	Found			8260B	08/29/11 20:33	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 20:33	JGH		
Pentane	Found			8260B	08/29/11 20:33	JGH		
2-Butene-2-methyl-	Found			8260B	08/29/11 20:33	JGH		
Cyclopentane, methyl-	Found			8260B	08/29/11 20:33	JGH		
1-Pentene	Found			8260B	08/29/11 20:33	JGH		
2,3-Dihydro-1-methylindene	Found			8260B	08/29/11 20:33	JGH		
Indane	Found			8260B	08/29/11 20:33	JGH		
n-Propylbenzene	Found			8260B	08/29/11 20:33	JGH	103-65-1	
Cyclopentane-1,2-dimethyl-cis-	Found			8260B	08/29/11 20:33	JGH		
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<10	ug/L	10	RSK-175	09/07/11 12:00	Trmx	74-84-0	O1
Ethylene	<10	ug/L	10	RSK-175	09/07/11 12:00	Trmx	74-85-1	O1
Methane	380	ug/L	5.0	RSK-175	09/07/11 12:00	Trmx	74-82-8	O1

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49814.02
Sample Tag: DUP-082511
Collected Date/Time: 08/25/2011 10:00
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.5	IR
2	40ml Glass	HCL	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 21:28	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 21:28	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 21:28	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 21:28	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 21:28	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	132-64-9	
Diethyl phthalate	0.48	ug/L	5	8270C	09/06/11 21:28	PL	84-66-2	J
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	131-11-3	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.02 (continued)
Sample Tag: DUP-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	1.5	ug/L	5	8270C	09/06/11 21:28	PL	117-81-7	J
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 21:28	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 21:28	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 21:28	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 21:28	PL		
1-Pentadecene	Completed			8270C	09/06/11 21:28	PL		
2,6-Dimethyl-6-nitro-2-hepten-4-one	Completed			8270C	09/06/11 21:28	PL		
1,2,3-Trimethylbenzene	Completed			8270C	09/06/11 21:28	PL	526-73-8	
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 20:51	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 20:51	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 20:51	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 20:51	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	8.230	ug/L	5	8260B	08/29/11 20:51	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 20:51	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 20:51	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-00-3	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.02 (continued)
Sample Tag: DUP-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 20:51	WAT	75-09-2	
trans-1,2-Dichloroethene	0.200	ug/L	1	8260B	08/29/11 20:51	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-34-3	
cis-1,2-Dichloroethene	53.82	ug/L	1	8260B	08/29/11 20:51	WAT	156-59-2	
Chloroform	0.170	ug/L	1	8260B	08/29/11 20:51	WAT	67-66-3	J
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	71-55-6	
Cyclohexane	40.70	ug/L	1	8260B	08/29/11 20:51	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 20:51	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 20:51	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	56-23-5	
Benzene	0.370	ug/L	1	8260B	08/29/11 20:51	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	107-06-2	
Trichloroethene	39.550	ug/L	1	8260B	08/29/11 20:51	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-27-4	
Methyl cyclohexane	29.900	ug/L	20	8260B	08/29/11 20:51	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	10061-01-5	
Toluene	0.220	ug/L	1	8260B	08/29/11 20:51	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	79-34-5	
Ethylbenzene	0.110	ug/L	1	8260B	08/29/11 20:51	WAT	100-41-4	J
p,m-Xylene	0.41	ug/L	2	8260B	08/29/11 20:51	WAT		J
o-Xylene	0.210	ug/L	1	8260B	08/29/11 20:51	WAT	95-47-6	J
Styrene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	100-42-5	
Isopropylbenzene	2.120	ug/L	1	8260B	08/29/11 20:51	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 20:51	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 20:51	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/29/11 20:51	JGH		
Butane	Found			8260B	08/29/11 20:51	JGH		
Cyclopentane, methyl-	Found			8260B	08/29/11 20:51	JGH		
Indane	Found			8260B	08/29/11 20:51	JGH		
2,3-Dihydro-1-methylindene	Found			8260B	08/29/11 20:51	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 20:51	JGH		
n-Propylbenzene	Found			8260B	08/29/11 20:51	JGH	103-65-1	
Cyclopentane-1,2-dimethyl-cis-	Found			8260B	08/29/11 20:51	JGH		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.02 (continued)
Sample Tag: DUP-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TICs Volatiles (continued)								
Pentane	Found			8260B	08/29/11 20:51	JGH		
2-Butene-2-methyl-	Found			8260B	08/29/11 20:51	JGH		
Cyclopentane	Found			8260B	08/29/11 20:51	JGH		

Analytical Laboratory Report

Lab Sample ID: S49814.03
Sample Tag: MW-12-082511
Collected Date/Time: 08/25/2011 11:50
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.5	IR
4	40ml Glass	HCL	Yes	4.5	IR
2	40ml Glass	H2SO4	Yes	4.5	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.5	IR
1	125ml Plastic	HNO3	Yes	4.5	IR
1	125ml Plastic	NaOH	Yes	4.5	IR
1	500ml Plastic	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	413	mg/L	1	2320B	08/26/11 17:30	JKB		
Chloride	318	mg/L	50	300.0	08/26/11 15:04	JDP	16887-00-6	
Ferrous Iron	0.57	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:30	JKB		
Nitrate-N	Not detected	mg/L	0.5	300.0	08/26/11 14:05	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 14:05	JDP	14797-65-0	
Sulfate	100	mg/L	5	300.0	08/26/11 14:05	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/29/11 11:29	JDP	18496-25-8	
TOC	2	mg/L	1	EPA 415.1	08/26/11 14:23	JKB		
Metals								
Iron, Dissolved	0.63	mg/L	0.02	200.8	08/29/11 15:25	SLS	7439-89-6	
Manganese, Dissolved	0.025	mg/L	0.005	200.8	08/29/11 15:25	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/09/11 14:34	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	59-50-7	

Lab Sample ID: S49814.03 (continued)
Sample Tag: MW-12-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Chloroaniline	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/09/11 14:34	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/09/11 14:34	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/09/11 14:34	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/09/11 14:34	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/09/11 14:34	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/09/11 14:34	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/09/11 14:34	PL	88-06-2	

Lab Sample ID: S49814.03 (continued)
Sample Tag: MW-12-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TICs Semi-Volatiles								
TICs	Completed			8270C	09/09/11 14:34	PL		
1,2,4-Trimethylbenzene	Completed			8270C	09/09/11 14:34	PL	95-63-6	
2,6-Dimethyl-6-nitro-2-hepten-4-one	Completed			8270C	09/09/11 14:34	PL		
Benzene, 1-ethyl-2-methyl-	Completed			8270C	09/09/11 14:34	PL		
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	300	8260B	09/01/11 18:16	WAT	76-13-1	Y
Acetone	Not detected	ug/L	200	8260B	09/01/11 18:16	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	50	8260B	09/01/11 18:16	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	100	8260B	09/01/11 18:16	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	25.80	ug/L	50	8260B	09/01/11 18:16	WAT	1634-04-4	JY
2-Butanone (MEK)	Not detected	ug/L	200	8260B	09/01/11 18:16	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	74-87-3	Y
Vinyl chloride	212.3	ug/L	10	8260B	09/01/11 18:16	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	20	8260B	09/01/11 18:16	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-69-4	Y
1,1-Dichloroethene	2.30	ug/L	10	8260B	09/01/11 18:16	WAT	75-35-4	JY
Methylene chloride	Not detected	ug/L	50	8260B	09/01/11 18:16	WAT	75-09-2	Y
trans-1,2-Dichloroethene	4.70	ug/L	10	8260B	09/01/11 18:16	WAT	156-60-5	JY
1,1-Dichloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-34-3	Y
cis-1,2-Dichloroethene	824.7	ug/L	10	8260B	09/01/11 18:16	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	100	8260B	09/01/11 18:16	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	500	8260B	09/01/11 18:16	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	56-23-5	Y
Benzene	1.70	ug/L	10	8260B	09/01/11 18:16	WAT	71-43-2	JY
1,2-Dichloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	107-06-2	Y
Trichloroethene	68.60	ug/L	10	8260B	09/01/11 18:16	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-27-4	Y
Methyl cyclohexane	2.50	ug/L	200	8260B	09/01/11 18:16	WAT	108-87-2	JY
cis-1,3-Dichloropropene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	10061-01-5	Y
Toluene	1.00	ug/L	10	8260B	09/01/11 18:16	WAT	108-88-3	BJY
trans-1,3-Dichloropropene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	100-41-4	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Lab Sample ID: S49814.03 (continued)
Sample Tag: MW-12-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	1.1	ug/L	20	8260B	09/01/11 18:16	WAT		BJY
o-Xylene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	95-47-6	Y
Styrene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	10	8260B	09/01/11 18:16	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 18:16	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	08/29/11 21:09	JGH		
Butane, 2-methyl-	Found			8260B	08/29/11 21:09	JGH		
Cyclobutane, methyl-	Found			8260B	08/29/11 21:09	JGH		
Cyclopentane, methyl-	Found			8260B	08/29/11 21:09	JGH		
Cyclopentane-1,2-dimethyl-cis-	Found			8260B	08/29/11 21:09	JGH		
Cyclohexene, 3-methyl-	Found			8260B	08/29/11 21:09	JGH		
n-Propylbenzene	Found			8260B	08/29/11 21:09	JGH	103-65-1	
2,3-Dihydro-1-methylindene	Found			8260B	08/29/11 21:09	JGH		
Organics								
Degradation Parameters Dissolved Gases								
Ethane	4.1	ug/L	10	RSK-175	09/07/11 12:00	Trmx	74-84-0	O1J
Ethylene	14	ug/L	10	RSK-175	09/07/11 12:00	Trmx	74-85-1	O1
Methane	480	ug/L	5.0	RSK-175	09/07/11 12:00	Trmx	74-82-8	O1

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL Y-Elevated reporting limit due to high target concentration
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Lab Sample ID: S49814.04
Sample Tag: RIZ-3-082311
Collected Date/Time: 08/23/2011 10:18
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 22:33	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 22:33	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 22:33	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 22:33	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 22:33	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	91-94-1	
4,6-Dinitro-2-methylphenol	0.24	ug/L	20	8270C	09/06/11 22:33	PL	534-52-1	J
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	117-81-7	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.04 (continued)
Sample Tag: RIZ-3-082311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	621-64-7	
N-Nitrosodiphenylamine	0.36	ug/L	5	8270C	09/06/11 22:33	PL	86-30-6	J
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	98-95-3	
di-n-Octyl phthalate	0.78	ug/L	5	8270C	09/06/11 22:33	PL	117-84-0	J
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 22:33	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 22:33	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 22:33	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 22:33	PL		
1,2,4-Trimethylbenzene	Completed			8270C	09/06/11 22:33	PL	95-63-6	
2,6-Dimethyl-6-nitro-2-hepten-4-one	Completed			8270C	09/06/11 22:33	PL		

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.05
Sample Tag: TB-082511
Collected Date/Time: 08/25/2011 00:01
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 21:27	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/29/11 21:27	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/29/11 21:27	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/29/11 21:27	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/29/11 21:27	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/29/11 21:27	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/29/11 21:27	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/29/11 21:27	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/29/11 21:27	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/29/11 21:27	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/29/11 21:27	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/29/11 21:27	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/29/11 21:27	WAT		

Lab Sample ID: S49814.05 (continued)
Sample Tag: TB-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/29/11 21:27	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/29/11 21:27	WAT	120-82-1	

Analytical Laboratory Report

Lab Sample ID: S49814.06
Sample Tag: MW-9-082511
Collected Date/Time: 08/25/2011 15:58
Matrix: Water
COC Reference: 62075

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.5	IR
4	40ml Glass	HCL	Yes	4.5	IR
2	40ml Glass	H2SO4	Yes	4.5	IR
2	40ml Glass	HCL/ Dissolved	Yes	4.5	IR
1	125ml Plastic	HNO3	Yes	4.5	IR
1	125ml Plastic	NaOH	Yes	4.5	IR
1	500ml Plastic	None	Yes	4.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/29/11 23:38	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	455	mg/L	1	2320B	08/26/11 17:35	JKB		
Chloride	221	mg/L	50	300.0	08/26/11 15:16	JDP	16887-00-6	
Ferrous Iron	0.04	mg/L	0.05	3500FeB/HACH8146	08/26/11 14:35	JKB		J
Nitrate-N	0.5	mg/L	0.5	300.0	08/26/11 14:17	JDP	14797-55-8	
Nitrite-N	Not detected	mg/L	0.5	300.0	08/26/11 14:17	JDP	14797-65-0	
Sulfate	67	mg/L	5	300.0	08/26/11 14:17	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/29/11 11:31	JDP	18496-25-8	
TOC	3	mg/L	1	EPA 415.1	08/26/11 14:44	JKB		
Metals								
Iron, Dissolved	0.07	mg/L	0.02	200.8	08/29/11 15:31	SLS	7439-89-6	
Manganese, Dissolved	0.084	mg/L	0.005	200.8	08/29/11 15:31	SLS	7439-96-5	
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	101-55-3	
di-n-Butyl phthalate	2.72	ug/L	5	8270C	09/06/11 23:05	PL	84-74-2	J
Benzaldehyde	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/06/11 23:05	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	95-57-8	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.06 (continued)
Sample Tag: MW-9-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/06/11 23:05	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/06/11 23:05	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/06/11 23:05	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/06/11 23:05	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	2.0	ug/L	5	8270C	09/06/11 23:05	PL	117-81-7	J
Fluoranthene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	98-95-3	
di-n-Octyl phthalate	0.58	ug/L	5	8270C	09/06/11 23:05	PL	117-84-0	J
Pentachlorophenol	Not detected	ug/L	20	8270C	09/06/11 23:05	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/06/11 23:05	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/06/11 23:05	PL	88-06-2	

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49814.06 (continued)
Sample Tag: MW-9-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TICs Semi-Volatiles								
TICs	Completed			8270C	09/06/11 23:05	PL		
1,2-Benzenedicarboxylic acid, bis(2-methylpropyl)	Completed			8270C	09/06/11 23:05	PL		
Dibutyl phthalate	Completed			8270C	09/06/11 23:05	PL		
1,2,3-Trimethylbenzene	Completed			8270C	09/06/11 23:05	PL	526-73-8	
Organics - Volatiles								
TICs	None Found			8260B	08/29/11 21:45	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	600	8260B	09/01/11 18:52	WAT	76-13-1	Y
Acetone	Not detected	ug/L	400	8260B	09/01/11 18:52	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	100	8260B	09/01/11 18:52	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	200	8260B	09/01/11 18:52	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	100	8260B	09/01/11 18:52	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	400	8260B	09/01/11 18:52	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	74-87-3	Y
Vinyl chloride	11.0	ug/L	20	8260B	09/01/11 18:52	WAT	75-01-4	JY
Bromomethane	Not detected	ug/L	40	8260B	09/01/11 18:52	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	100	8260B	09/01/11 18:52	WAT	75-09-2	Y
trans-1,2-Dichloroethene	65.6	ug/L	20	8260B	09/01/11 18:52	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-34-3	Y
cis-1,2-Dichloroethene	443.4	ug/L	20	8260B	09/01/11 18:52	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	200	8260B	09/01/11 18:52	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	1,000	8260B	09/01/11 18:52	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	56-23-5	Y
Benzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	107-06-2	Y
Trichloroethene	1,340.8	ug/L	20	8260B	09/01/11 18:52	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	400	8260B	09/01/11 18:52	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	10061-01-5	Y
Toluene	1.6	ug/L	20	8260B	09/01/11 18:52	WAT	108-88-3	BJY
trans-1,3-Dichloropropene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	108-90-7	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Lab Sample ID: S49814.06 (continued)
Sample Tag: MW-9-082511

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	100-41-4	Y
p,m-Xylene	Not detected	ug/L	40	8260B	09/01/11 18:52	WAT		Y
o-Xylene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	95-47-6	Y
Styrene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	20	8260B	09/01/11 18:52	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	40	8260B	09/01/11 18:52	WAT	120-82-1	Y
Organics								
Degradation Parameters Dissolved Gases								
Ethane	<4.0	ug/L	4.0	RSK-175	09/07/11 12:00	Trmx	74-84-0	O1
Ethylene	<4.0	ug/L	4.0	RSK-175	09/07/11 12:00	Trmx	74-85-1	O1
Methane	100	ug/L	2.0	RSK-175	09/07/11 12:00	Trmx	74-82-8	O1

Y-Elevated reporting limit due to high target concentration
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

1 cooler
All VOCs in trip blank
Cooler

62075

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien + Gere
ADDRESS: 400 Andrews St/Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: (585) 263 2820 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. DiNardo / A. Young

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Cat B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs+MTBE 5D TICs	8270 SVOCs + 30 TICs	Monitored Natural Attenuation (MNA)	SPECIAL INSTRUCTIONS/NOTES
49814.01	8/25	0852	MW-11-082511	GW	13	3	6	1	2	1			✓	✓	✓	MNA= Sulfide, Ethane, Ethene, Methane, Chloride, TOC, Sulfate, Alkalinity, Nitrate, Nitrite, Dissolved Ferrous Iron, Total dissolved Fe + Mn
.02	8/25	1000	DUP-082511	GW	4	2	2						✓	✓		
.03	8/25	1150	MW-12-082511	GW	13	3	6	1	2	1			✓	✓	✓	
.04	8/23	1018	RIZ-3-082311	GW	1	1								✓		Limited volume
.05	8/25	—	TB-082511	GW	1		1						✓			
.06	8/25	1558	MW-9-082511	GW	13	3	6	1	2	1			✓	✓	✓	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Amanda Yo	DATE: 8/25/11	TIME: 1740	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE: 8-26-11	TIME: 1030	

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.5

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Analytical Laboratory Report

Report ID: S49841.01(01)
Generated on 09/19/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49841.01-S49841.07
Project: 47362/ 24 Seneca COR
Collected Date: 08/26/2011
Submitted Date/Time: 08/29/2011 08:00
Sampled by: A.DiNardo/A. Young
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

Sample Summary (7 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49841.01	MW-7-082611	Groundwater	08/26/2011 07:30
S49841.02	MW-10-082611	Groundwater	08/26/2011 09:21
S49841.03	MW-10-082611 MS	Groundwater	08/26/2011 09:45
S49841.04	MW-10-082611 MSD	Groundwater	08/26/2011 10:00
S49841.05	TB-082611	Groundwater	08/26/2011 00:01
S49841.06	DW-1-082611-AQ	Liquid	08/26/2011 12:19
S49841.07	DW-1-082611-SED	Liquid	08/26/2011 12:22

Analytical Laboratory Report

Lab Sample ID: S49841.01
Sample Tag: MW-7-082611
Collected Date/Time: 08/26/2011 07:30
Matrix: Groundwater
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.0	IR
4	40ml Glass	HCL	Yes	5.0	IR
2	40ml Glass	H2SO4	Yes	5.0	IR
2	40ml Glass	HCL/ Dissolved	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR
1	125ml Plastic	NaOH	Yes	5.0	IR
1	500ml Plastic	None	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/31/11 22:33	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	445	mg/L	1	2320B	08/29/11 16:20	JKB		
Chloride	78	mg/L	5	300.0	08/29/11 09:24	JDP	16887-00-6	
Ferrous Iron	Not detected	mg/L	0.05	3500FeB/HACH8146	08/30/11 16:50	JKB		
Nitrate-N	0.4	mg/L	0.25	300.0	08/29/11 09:58	JDP	14797-55-8	H
Nitrite-N	Not detected	mg/L	0.25	300.0	08/29/11 09:58	JDP	14797-65-0	H
Sulfate	152	mg/L	10	300.0	08/29/11 09:47	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/29/11 11:33	JDP	18496-25-8	
TOC	3	mg/L	1	EPA 415.1	08/29/11 13:22	JKB		
Metals								
Iron, Dissolved	0.01	mg/L	0.02	200.8	08/29/11 15:34	SLS	7439-89-6	b
Manganese, Dissolved	0.016	mg/L	0.005	200.8	08/29/11 15:34	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	None Found			8270C	09/05/11 20:44	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 20:44	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	207-08-9	

H-Sample submitted and run outside of holding time
b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S49841.01 (continued)
Sample Tag: MW-7-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 20:44	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 20:44	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 20:44	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 20:44	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 20:44	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 20:44	PL	129-00-0	

Lab Sample ID: S49841.01 (continued)
Sample Tag: MW-7-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 20:44	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/30/11 18:56	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	600	8260B	09/01/11 20:58	WAT	76-13-1	Y
Acetone	Not detected	ug/L	400	8260B	09/01/11 20:58	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	100	8260B	09/01/11 20:58	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	200	8260B	09/01/11 20:58	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	100	8260B	09/01/11 20:58	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	400	8260B	09/01/11 20:58	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	40	8260B	09/01/11 20:58	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	100	8260B	09/01/11 20:58	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-34-3	Y
cis-1,2-Dichloroethene	442.0	ug/L	20	8260B	09/01/11 20:58	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	200	8260B	09/01/11 20:58	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	1,000	8260B	09/01/11 20:58	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	56-23-5	Y
Benzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	107-06-2	Y
Trichloroethene	1,014.6	ug/L	20	8260B	09/01/11 20:58	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	400	8260B	09/01/11 20:58	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	10061-01-5	Y
Toluene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	100-41-4	Y
p,m-Xylene	Not detected	ug/L	40	8260B	09/01/11 20:58	WAT		Y
o-Xylene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	95-47-6	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49841.01 (continued)
Sample Tag: MW-7-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Styrene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	20	8260B	09/01/11 20:58	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	40	8260B	09/01/11 20:58	WAT	120-82-1	Y
TCL Volatile Organics 8260 (Replicate 01)								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/30/11 18:56	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/30/11 18:56	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/30/11 18:56	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/30/11 18:56	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	0.470	ug/L	5	8260B	08/30/11 18:56	JGH	1634-04-4	J
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/30/11 18:56	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/30/11 18:56	JGH	74-83-9	
Chloroethane	2	ug/L	1	8260B	08/30/11 18:56	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-69-4	
1,1-Dichloroethene	0.510	ug/L	1	8260B	08/30/11 18:56	JGH	75-35-4	J
Methylene chloride	Not detected	ug/L	5	8260B	08/30/11 18:56	JGH	75-09-2	
trans-1,2-Dichloroethene	2	ug/L	1	8260B	08/30/11 18:56	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-34-3	
cis-1,2-Dichloroethene	390	ug/L	1	8260B	08/30/11 18:56	JGH	156-59-2	E
Chloroform	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/30/11 18:56	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/30/11 18:56	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	56-23-5	
Benzene	5	ug/L	1	8260B	08/30/11 18:56	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	107-06-2	
Trichloroethene	727	ug/L	1	8260B	08/30/11 18:56	JGH	79-01-6	E
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-27-4	
Methyl cyclohexane	0.410	ug/L	20	8260B	08/30/11 18:56	JGH	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	10061-01-5	
Toluene	2	ug/L	1	8260B	08/30/11 18:56	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	79-00-5	
Tetrachloroethene	0.100	ug/L	1	8260B	08/30/11 18:56	JGH	127-18-4	J
Dibromochloromethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	106-93-4	

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
E-Concentration exceeds calibration range

Lab Sample ID: S49841.01 (continued)
Sample Tag: MW-7-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (Replicate 01) (continued)								
Chlorobenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	100-41-4	
p,m-Xylene	0.56	ug/L	2	8260B	08/30/11 18:56	JGH		J
o-Xylene	0.120	ug/L	1	8260B	08/30/11 18:56	JGH	95-47-6	J
Styrene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/30/11 18:56	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/30/11 18:56	JGH	120-82-1	
Organics								
Degradation Parameters Dissolved Gases								
Ethane	1.4	ug/L	1.0	RSK-175	09/07/11 12:00	Trmx	74-84-0	O1
Ethylene	<1.0	ug/L	1.0	RSK-175	09/07/11 12:00	Trmx	74-85-1	O1
Methane	5.6	ug/L	0.50	RSK-175	09/07/11 12:00	Trmx	74-82-8	O1

J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples.

Analytical Laboratory Report

Lab Sample ID: S49841.02
Sample Tag: MW-10-082611
Collected Date/Time: 08/26/2011 09:21
Matrix: Groundwater
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.0	IR
4	40ml Glass	HCL	Yes	5.0	IR
2	40ml Glass	H2SO4	Yes	5.0	IR
2	40ml Glass	HCL/ Dissolved	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR
1	125ml Plastic	NaOH	Yes	5.0	IR
1	500ml Plastic	None	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/31/11 22:33	EMR		
Metal Digestion	Completed			3015A	08/29/11 01:00	SLR		
Inorganics								
Alkalinity as CaCO3	381	mg/L	1	2320B	08/29/11 16:30	JKB		
Chloride	135	mg/L	20	300.0	08/29/11 10:21	JDP	16887-00-6	
Ferrous Iron	Not detected	mg/L	0.05	3500FeB/HACH8146	08/30/11 17:00	JKB		
Nitrate-N	17.0	mg/L	2.0	300.0	08/29/11 10:21	JDP	14797-55-8	H
Nitrite-N	Not detected	mg/L	0.50	300.0	08/29/11 09:35	JDP	14797-65-0	H
Sulfate	93	mg/L	5	300.0	08/29/11 09:35	JDP	14808-79-8	
Sulfide	Not detected	mg/L	0.04	4500-S2 D	08/29/11 11:35	JDP	18496-25-8	
TOC	2	mg/L	1	EPA 415.1	08/29/11 13:51	JKB		
Metals								
Iron, Dissolved	0.01	mg/L	0.02	200.8	08/29/11 15:36	SLS	7439-89-6	b
Manganese, Dissolved	0.134	mg/L	0.005	200.8	08/29/11 15:36	SLS	7439-96-5	
Organics - Semi-Volatiles								
TICs	None Found			8270C	09/05/11 21:17	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	09/05/11 21:17	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	207-08-9	

H-Sample submitted and run outside of holding time
b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S49841.02 (continued)
Sample Tag: MW-10-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	7005-72-3	
Caprolactam	Not detected	ug/L	10	8270C	09/05/11 21:17	PL	105-60-2	
Carbazole	Not detected	ug/L	10	8270C	09/05/11 21:17	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	09/05/11 21:17	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	09/05/11 21:17	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	09/05/11 21:17	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	09/05/11 21:17	PL	129-00-0	

Lab Sample ID: S49841.02 (continued)
Sample Tag: MW-10-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	09/05/11 21:17	PL	88-06-2	
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	6,000	8260B	09/01/11 21:16	WAT	76-13-1	Y
Acetone	Not detected	ug/L	4,000	8260B	09/01/11 21:16	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	1,000	8260B	09/01/11 21:16	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	2,000	8260B	09/01/11 21:16	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	1,000	8260B	09/01/11 21:16	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	4,000	8260B	09/01/11 21:16	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	400	8260B	09/01/11 21:16	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	1,000	8260B	09/01/11 21:16	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-34-3	Y
cis-1,2-Dichloroethene	836	ug/L	200	8260B	09/01/11 21:16	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	2,000	8260B	09/01/11 21:16	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	10,000	8260B	09/01/11 21:16	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	56-23-5	Y
Benzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	107-06-2	Y
Trichloroethene	17,720	ug/L	200	8260B	09/01/11 21:16	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	4,000	8260B	09/01/11 21:16	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	10061-01-5	Y
Toluene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	100-41-4	Y
p,m-Xylene	Not detected	ug/L	400	8260B	09/01/11 21:16	WAT		Y
o-Xylene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	95-47-6	Y
Styrene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	98-82-8	Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S49841.02 (continued)
Sample Tag: MW-10-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Bromoform	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	200	8260B	09/01/11 21:16	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	400	8260B	09/01/11 21:16	WAT	120-82-1	Y
TCL Volatile Organics 8260 (Replicate 01)								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/30/11 19:14	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/30/11 19:14	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/30/11 19:14	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/30/11 19:14	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/30/11 19:14	JGH	1634-04-4	
2-Butanone (MEK)	1.26	ug/L	20	8260B	08/30/11 19:14	JGH	78-93-3	J
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	74-87-3	
Vinyl chloride	70	ug/L	1	8260B	08/30/11 19:14	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/30/11 19:14	JGH	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-69-4	
1,1-Dichloroethene	4	ug/L	1	8260B	08/30/11 19:14	JGH	75-35-4	
Methylene chloride	0.30	ug/L	5	8260B	08/30/11 19:14	JGH	75-09-2	J
trans-1,2-Dichloroethene	8	ug/L	1	8260B	08/30/11 19:14	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-34-3	
cis-1,2-Dichloroethene	729	ug/L	1	8260B	08/30/11 19:14	JGH	156-59-2	E
Chloroform	3	ug/L	1	8260B	08/30/11 19:14	JGH	67-66-3	
1,1,1-Trichloroethane	0.300	ug/L	1	8260B	08/30/11 19:14	JGH	71-55-6	J
Cyclohexane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/30/11 19:14	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/30/11 19:14	JGH	591-78-6	
Carbon tetrachloride	0.130	ug/L	1	8260B	08/30/11 19:14	JGH	56-23-5	J
Benzene	0.260	ug/L	1	8260B	08/30/11 19:14	JGH	71-43-2	J
1,2-Dichloroethane	6	ug/L	1	8260B	08/30/11 19:14	JGH	107-06-2	
Trichloroethene	3,371	ug/L	1	8260B	08/30/11 19:14	JGH	79-01-6	E
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-27-4	
Methyl cyclohexane	1.970	ug/L	20	8260B	08/30/11 19:14	JGH	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	10061-01-5	
Toluene	0.280	ug/L	1	8260B	08/30/11 19:14	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	10061-02-6	
1,1,2-Trichloroethane	4	ug/L	1	8260B	08/30/11 19:14	JGH	79-00-5	
Tetrachloroethene	14	ug/L	1	8260B	08/30/11 19:14	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	79-34-5	

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL
E-Concentration exceeds calibration range

Lab Sample ID: S49841.02 (continued)
Sample Tag: MW-10-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (Replicate 01) (continued)								
Ethylbenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	08/30/11 19:14	JGH		
o-Xylene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/30/11 19:14	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/30/11 19:14	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/30/11 19:14	JGH		
Pentanal, 2-methyl-	Found			8260B	08/30/11 19:14	JGH		
Cyclopentane, methyl-	Found			8260B	08/30/11 19:14	JGH		
Cyclopentane-1,2-dimethyl-cis-	Found			8260B	08/30/11 19:14	JGH		
Cyclopentane, 1,1-dimethyl-	Found			8260B	08/30/11 19:14	JGH		
Cyclohexane, 1,1,3-trimethyl-	Found			8260B	08/30/11 19:14	JGH		
Organics								
Degradation Parameters Dissolved Gases								
Ethane	1.8	ug/L	2.0	RSK-175	09/07/11 12:00	Trmx	74-84-0	O1J
Ethylene	3.2	ug/L	2.0	RSK-175	09/07/11 12:00	Trmx	74-85-1	O1
Methane	72	ug/L	1.0	RSK-175	09/07/11 12:00	Trmx	74-82-8	O1

O-Analysis performed by outside laboratory. See attached report. 1-Due to insufficient sample volume received, matrix QC is unavailable with this batch of samples. J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.03
Sample Tag: MW-10-082611 MS
Collected Date/Time: 08/26/2011 09:45
Matrix: Groundwater
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.0	IR
2	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/31/11 22:33	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	36.26	ug/L	2	8270C	09/05/11 21:49	PL	83-32-9	1
Acenaphthylene	37.60	ug/L	2	8270C	09/05/11 21:49	PL	208-96-8	1
Acetophenone	33.87	ug/L	5	8270C	09/05/11 21:49	PL	98-86-2	1
Anthracene	39.27	ug/L	2	8270C	09/05/11 21:49	PL	120-12-7	1
Atrazine	37.80	ug/L	5	8270C	09/05/11 21:49	PL	1912-24-9	1
1,1'-Biphenyl	32.47	ug/L	5	8270C	09/05/11 21:49	PL	92-52-4	1
4-Bromophenyl phenyl ether	39.86	ug/L	5	8270C	09/05/11 21:49	PL	101-55-3	1
di-n-Butyl phthalate	39.24	ug/L	5	8270C	09/05/11 21:49	PL	84-74-2	1
Benzaldehyde	48.27	ug/L	5	8270C	09/05/11 21:49	PL	100-52-7	1
Benzo(a)anthracene	38.87	ug/L	1	8270C	09/05/11 21:49	PL	56-55-3	1
Benzo(a)pyrene	42.28	ug/L	2	8270C	09/05/11 21:49	PL	50-32-8	1
Benzo(b)fluoranthene	43.77	ug/L	2	8270C	09/05/11 21:49	PL	205-99-2	1
Benzo(ghi)perylene	28.72	ug/L	2	8270C	09/05/11 21:49	PL	191-24-2	1
Benzo(k)fluoranthene	40.39	ug/L	2	8270C	09/05/11 21:49	PL	207-08-9	1
Butyl benzyl phthalate	38.93	ug/L	5	8270C	09/05/11 21:49	PL	85-68-7	1
2-Chloronaphthalene	33.42	ug/L	5	8270C	09/05/11 21:49	PL	91-58-7	1
2-Chlorophenol	33.07	ug/L	5	8270C	09/05/11 21:49	PL	95-57-8	1
4-Chloro-3-methylphenol	40.16	ug/L	5	8270C	09/05/11 21:49	PL	59-50-7	1
4-Chloroaniline	25.28	ug/L	20	8270C	09/05/11 21:49	PL	106-47-8	1
4-Chlorophenyl phenyl ether	38.15	ug/L	5	8270C	09/05/11 21:49	PL	7005-72-3	1
Caprolactam	4.848	ug/L	10	8270C	09/05/11 21:49	PL	105-60-2	1
Carbazole	36.66	ug/L	10	8270C	09/05/11 21:49	PL	86-74-8	1
bis(2-Chloroethoxy)methane	33.84	ug/L	5	8270C	09/05/11 21:49	PL	111-91-1	1
bis(2-Chloroethyl)ether	28.55	ug/L	5	8270C	09/05/11 21:49	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	31.72	ug/L	5	8270C	09/05/11 21:49	PL	108-60-1	1
Chrysene	46.21	ug/L	1	8270C	09/05/11 21:49	PL	218-01-9	1
2,4-Dichlorophenol	37.34	ug/L	10	8270C	09/05/11 21:49	PL	120-83-2	1
2,4-Dimethylphenol	37.28	ug/L	5	8270C	09/05/11 21:49	PL	105-67-9	1
2,4-Dinitrophenol	32.91	ug/L	20	8270C	09/05/11 21:49	PL	51-28-5	1
2,4-Dinitrotoluene	39.39	ug/L	5	8270C	09/05/11 21:49	PL	121-14-2	1
2,6-Dinitrotoluene	38.93	ug/L	5	8270C	09/05/11 21:49	PL	606-20-2	1
3,3'-Dichlorobenzidine	21.46	ug/L	20	8270C	09/05/11 21:49	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	38.859	ug/L	20	8270C	09/05/11 21:49	PL	534-52-1	1
Dibenzo(ah)anthracene	33.34	ug/L	2	8270C	09/05/11 21:49	PL	53-70-3	1
Dibenzofuran	36.76	ug/L	5	8270C	09/05/11 21:49	PL	132-64-9	1
Diethyl phthalate	39.24	ug/L	5	8270C	09/05/11 21:49	PL	84-66-2	1
Dimethyl phthalate	38.6	ug/L	5	8270C	09/05/11 21:49	PL	131-11-3	1

1-Wet Weight Spike: 0.051 mg/L

Lab Sample ID: S49841.03 (continued)
Sample Tag: MW-10-082611 MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	41.05	ug/L	5	8270C	09/05/11 21:49	PL	117-81-7	1
Fluoranthene	39.48	ug/L	2	8270C	09/05/11 21:49	PL	206-44-0	1
Fluorene	37.23	ug/L	2	8270C	09/05/11 21:49	PL	86-73-7	1
Hexachlorobenzene	39.57	ug/L	5	8270C	09/05/11 21:49	PL	118-74-1	1
Hexachlorobutadiene	32.69	ug/L	5	8270C	09/05/11 21:49	PL	87-68-3	1
Hexachlorocyclopentadiene	43.13	ug/L	5	8270C	09/05/11 21:49	PL	77-47-4	1
Hexachloroethane	28.02	ug/L	5	8270C	09/05/11 21:49	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	31.00	ug/L	2	8270C	09/05/11 21:49	PL	193-39-5	1
Isophorone	33.31	ug/L	5	8270C	09/05/11 21:49	PL	78-59-1	1
2-Methylnaphthalene	34.71	ug/L	2	8270C	09/05/11 21:49	PL	91-57-6	1
2-Methylphenol	30	ug/L	5	8270C	09/05/11 21:49	PL	95-48-7	1
3-, 4-Methylphenol	30	ug/L	5	8270C	09/05/11 21:49	PL	3/4-Cresol	1
2-Nitroaniline	38.14	ug/L	20	8270C	09/05/11 21:49	PL	88-74-4	1
2-Nitrophenol	35.72	ug/L	5	8270C	09/05/11 21:49	PL	88-75-5	1
3-Nitroaniline	30.54	ug/L	20	8270C	09/05/11 21:49	PL	99-09-2	1
4-Nitroaniline	34.02	ug/L	20	8270C	09/05/11 21:49	PL	100-01-6	1
4-Nitrophenol	33.85	ug/L	20	8270C	09/05/11 21:49	PL	100-02-7	1
N-Nitrosodi-n-propylamine	35.11	ug/L	5	8270C	09/05/11 21:49	PL	621-64-7	1
N-Nitrosodiphenylamine	18.424	ug/L	5	8270C	09/05/11 21:49	PL	86-30-6	1
Naphthalene	32.54	ug/L	2	8270C	09/05/11 21:49	PL	91-20-3	1
Nitrobenzene	32.70	ug/L	5	8270C	09/05/11 21:49	PL	98-95-3	1
di-n-Octyl phthalate	44.92	ug/L	5	8270C	09/05/11 21:49	PL	117-84-0	1
Pentachlorophenol	39.58	ug/L	20	8270C	09/05/11 21:49	PL	87-86-5	1
Phenanthrene	39.15	ug/L	2	8270C	09/05/11 21:49	PL	85-01-8	1
Phenol	20.43	ug/L	5	8270C	09/05/11 21:49	PL	108-95-2	1
Pyrene	38.44	ug/L	2	8270C	09/05/11 21:49	PL	129-00-0	1
2,4,5-Trichlorophenol	37.13	ug/L	5	8270C	09/05/11 21:49	PL	95-95-4	1
2,4,6-Trichlorophenol	38.07	ug/L	5	8270C	09/05/11 21:49	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	9,934	ug/L	6,000	8260B	09/01/11 21:34	WAT	76-13-1	Y2
Acetone	5,000	ug/L	4,000	8260B	09/01/11 21:34	WAT	67-64-1	Y2
Carbon disulfide	8,474	ug/L	1,000	8260B	09/01/11 21:34	WAT	75-15-0	Y2
Methyl Acetate	8,930	ug/L	2,000	8260B	09/01/11 21:34	WAT	79-20-9	Y2
tert-Methyl butyl ether (MTBE)	9,546	ug/L	1,000	8260B	09/01/11 21:34	WAT	1634-04-4	Y2
2-Butanone (MEK)	5,454	ug/L	4,000	8260B	09/01/11 21:34	WAT	78-93-3	Y2
Dichlorodifluoromethane	7,192	ug/L	200	8260B	09/01/11 21:34	WAT	75-71-8	Y2
Chloromethane	8,684	ug/L	200	8260B	09/01/11 21:34	WAT	74-87-3	Y2
Vinyl chloride	8,836	ug/L	200	8260B	09/01/11 21:34	WAT	75-01-4	Y2
Bromomethane	9,804	ug/L	400	8260B	09/01/11 21:34	WAT	74-83-9	Y2
Chloroethane	10,708	ug/L	200	8260B	09/01/11 21:34	WAT	75-00-3	Y2
Trichlorofluoromethane	10,370	ug/L	200	8260B	09/01/11 21:34	WAT	75-69-4	Y2
1,1-Dichloroethene	9,518	ug/L	200	8260B	09/01/11 21:34	WAT	75-35-4	Y2
Methylene chloride	9,646	ug/L	1,000	8260B	09/01/11 21:34	WAT	75-09-2	Y2
trans-1,2-Dichloroethene	9,798	ug/L	200	8260B	09/01/11 21:34	WAT	156-60-5	Y2
1,1-Dichloroethane	9,776	ug/L	200	8260B	09/01/11 21:34	WAT	75-34-3	Y2

1-Wet Weight Spike: 0.051 mg/L
Y-Elevated reporting limit due to high target concentration 2-Spiked at 10mg/l

Lab Sample ID: S49841.03 (continued)
Sample Tag: MW-10-082611 MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
cis-1,2-Dichloroethene	10,758	ug/L	200	8260B	09/01/11 21:34	WAT	156-59-2	Y1
Chloroform	10,046	ug/L	200	8260B	09/01/11 21:34	WAT	67-66-3	Y1
1,1,1-Trichloroethane	10,124	ug/L	200	8260B	09/01/11 21:34	WAT	71-55-6	Y1
Cyclohexane	8,106	ug/L	200	8260B	09/01/11 21:34	WAT	110-82-7	Y1
4-Methyl-2-pentanone (MIBK)	8,950	ug/L	2,000	8260B	09/01/11 21:34	WAT	108-10-1	Y1
2-Hexanone	6,648	ug/L	10,000	8260B	09/01/11 21:34	WAT	591-78-6	JY1
Carbon tetrachloride	9,262	ug/L	200	8260B	09/01/11 21:34	WAT	56-23-5	Y1
Benzene	9,668	ug/L	200	8260B	09/01/11 21:34	WAT	71-43-2	Y1
1,2-Dichloroethane	9,810	ug/L	200	8260B	09/01/11 21:34	WAT	107-06-2	Y1
Trichloroethene	27,170	ug/L	200	8260B	09/01/11 21:34	WAT	79-01-6	Y1
1,2-Dichloropropane	10,060	ug/L	200	8260B	09/01/11 21:34	WAT	78-87-5	Y1
Bromodichloromethane	9,594	ug/L	200	8260B	09/01/11 21:34	WAT	75-27-4	Y1
Methyl cyclohexane	9,572	ug/L	4,000	8260B	09/01/11 21:34	WAT	108-87-2	Y1
cis-1,3-Dichloropropene	9,098	ug/L	200	8260B	09/01/11 21:34	WAT	10061-01-5	Y1
Toluene	9,746	ug/L	200	8260B	09/01/11 21:34	WAT	108-88-3	Y1
trans-1,3-Dichloropropene	9,094	ug/L	200	8260B	09/01/11 21:34	WAT	10061-02-6	Y1
1,1,2-Trichloroethane	9,628	ug/L	200	8260B	09/01/11 21:34	WAT	79-00-5	Y1
Tetrachloroethene	9,234	ug/L	200	8260B	09/01/11 21:34	WAT	127-18-4	Y1
Dibromochloromethane	9,094	ug/L	200	8260B	09/01/11 21:34	WAT	124-48-1	Y1
1,2-Dibromoethane	9,616	ug/L	200	8260B	09/01/11 21:34	WAT	106-93-4	Y1
Chlorobenzene	9,710	ug/L	200	8260B	09/01/11 21:34	WAT	108-90-7	Y1
1,1,2,2-Tetrachloroethane	9,760	ug/L	200	8260B	09/01/11 21:34	WAT	79-34-5	Y1
Ethylbenzene	9,768	ug/L	200	8260B	09/01/11 21:34	WAT	100-41-4	Y1
p,m-Xylene	19,552	ug/L	400	8260B	09/01/11 21:34	WAT		Y1
o-Xylene	9,928	ug/L	200	8260B	09/01/11 21:34	WAT	95-47-6	Y1
Styrene	9,448	ug/L	200	8260B	09/01/11 21:34	WAT	100-42-5	Y1
Isopropylbenzene	9,870	ug/L	200	8260B	09/01/11 21:34	WAT	98-82-8	Y1
Bromoform	8,922	ug/L	200	8260B	09/01/11 21:34	WAT	75-25-2	Y1
1,3-Dichlorobenzene	9,660.0	ug/L	200	8260B	09/01/11 21:34	WAT	541-73-1	Y1
1,4-Dichlorobenzene	9,474	ug/L	200	8260B	09/01/11 21:34	WAT	106-46-7	Y1
1,2-Dichlorobenzene	9,690.0	ug/L	200	8260B	09/01/11 21:34	WAT	95-50-1	Y1
1,2-Dibromo-3-chloropropane	8,798	ug/L	200	8260B	09/01/11 21:34	WAT	96-12-8	Y1
1,2,4-Trichlorobenzene	9,438	ug/L	400	8260B	09/01/11 21:34	WAT	120-82-1	Y1

Y-Elevated reporting limit due to high target concentration 1-Spiked at 10mg/l
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.04
Sample Tag: MW-10-082611 MSD
Collected Date/Time: 08/26/2011 10:00
Matrix: Groundwater
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	5.0	IR
2	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/31/11 22:33	EMR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	31.44	ug/L	2	8270C	09/05/11 22:21	PL	83-32-9	1
Acenaphthylene	33.07	ug/L	2	8270C	09/05/11 22:21	PL	208-96-8	1
Acetophenone	29.87	ug/L	5	8270C	09/05/11 22:21	PL	98-86-2	1
Anthracene	34.17	ug/L	2	8270C	09/05/11 22:21	PL	120-12-7	1
Atrazine	32.65	ug/L	5	8270C	09/05/11 22:21	PL	1912-24-9	1
1,1'-Biphenyl	28.34	ug/L	5	8270C	09/05/11 22:21	PL	92-52-4	1
4-Bromophenyl phenyl ether	34.68	ug/L	5	8270C	09/05/11 22:21	PL	101-55-3	1
di-n-Butyl phthalate	34.22	ug/L	5	8270C	09/05/11 22:21	PL	84-74-2	1
Benzaldehyde	40.38	ug/L	5	8270C	09/05/11 22:21	PL	100-52-7	1
Benzo(a)anthracene	34.22	ug/L	1	8270C	09/05/11 22:21	PL	56-55-3	1
Benzo(a)pyrene	36.99	ug/L	2	8270C	09/05/11 22:21	PL	50-32-8	1
Benzo(b)fluoranthene	37.71	ug/L	2	8270C	09/05/11 22:21	PL	205-99-2	1
Benzo(ghi)perylene	25.20	ug/L	2	8270C	09/05/11 22:21	PL	191-24-2	1
Benzo(k)fluoranthene	36.21	ug/L	2	8270C	09/05/11 22:21	PL	207-08-9	1
Butyl benzyl phthalate	34.49	ug/L	5	8270C	09/05/11 22:21	PL	85-68-7	1
2-Chloronaphthalene	29.28	ug/L	5	8270C	09/05/11 22:21	PL	91-58-7	1
2-Chlorophenol	28.65	ug/L	5	8270C	09/05/11 22:21	PL	95-57-8	1
4-Chloro-3-methylphenol	34.55	ug/L	5	8270C	09/05/11 22:21	PL	59-50-7	1
4-Chloroaniline	21.53	ug/L	20	8270C	09/05/11 22:21	PL	106-47-8	1
4-Chlorophenyl phenyl ether	33.33	ug/L	5	8270C	09/05/11 22:21	PL	7005-72-3	1
Caprolactam	4.430	ug/L	10	8270C	09/05/11 22:21	PL	105-60-2	1
Carbazole	32.02	ug/L	10	8270C	09/05/11 22:21	PL	86-74-8	1
bis(2-Chloroethoxy)methane	29.94	ug/L	5	8270C	09/05/11 22:21	PL	111-91-1	1
bis(2-Chloroethyl)ether	25.24	ug/L	5	8270C	09/05/11 22:21	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	27.81	ug/L	5	8270C	09/05/11 22:21	PL	108-60-1	1
Chrysene	40.44	ug/L	1	8270C	09/05/11 22:21	PL	218-01-9	1
2,4-Dichlorophenol	32.39	ug/L	10	8270C	09/05/11 22:21	PL	120-83-2	1
2,4-Dimethylphenol	30.87	ug/L	5	8270C	09/05/11 22:21	PL	105-67-9	1
2,4-Dinitrophenol	29.19	ug/L	20	8270C	09/05/11 22:21	PL	51-28-5	1
2,4-Dinitrotoluene	33.96	ug/L	5	8270C	09/05/11 22:21	PL	121-14-2	1
2,6-Dinitrotoluene	33.63	ug/L	5	8270C	09/05/11 22:21	PL	606-20-2	1
3,3'-Dichlorobenzidine	20.05	ug/L	20	8270C	09/05/11 22:21	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	33.980	ug/L	20	8270C	09/05/11 22:21	PL	534-52-1	1
Dibenzo(ah)anthracene	28.85	ug/L	2	8270C	09/05/11 22:21	PL	53-70-3	1
Dibenzofuran	31.88	ug/L	5	8270C	09/05/11 22:21	PL	132-64-9	1
Diethyl phthalate	34.46	ug/L	5	8270C	09/05/11 22:21	PL	84-66-2	1
Dimethyl phthalate	33.69	ug/L	5	8270C	09/05/11 22:21	PL	131-11-3	1

1-Wet Weight Spike: 0.050 mg/L

Lab Sample ID: S49841.04 (continued)
Sample Tag: MW-10-082611 MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	35.80	ug/L	5	8270C	09/05/11 22:21	PL	117-81-7	1
Fluoranthene	34.87	ug/L	2	8270C	09/05/11 22:21	PL	206-44-0	1
Fluorene	32.57	ug/L	2	8270C	09/05/11 22:21	PL	86-73-7	1
Hexachlorobenzene	35.48	ug/L	5	8270C	09/05/11 22:21	PL	118-74-1	1
Hexachlorobutadiene	30.13	ug/L	5	8270C	09/05/11 22:21	PL	87-68-3	1
Hexachlorocyclopentadiene	36.80	ug/L	5	8270C	09/05/11 22:21	PL	77-47-4	1
Hexachloroethane	25.92	ug/L	5	8270C	09/05/11 22:21	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	27.22	ug/L	2	8270C	09/05/11 22:21	PL	193-39-5	1
Isophorone	29.29	ug/L	5	8270C	09/05/11 22:21	PL	78-59-1	1
2-Methylnaphthalene	30.92	ug/L	2	8270C	09/05/11 22:21	PL	91-57-6	1
2-Methylphenol	26	ug/L	5	8270C	09/05/11 22:21	PL	95-48-7	1
3-, 4-Methylphenol	26	ug/L	5	8270C	09/05/11 22:21	PL	3/4-Cresol	1
2-Nitroaniline	32.41	ug/L	20	8270C	09/05/11 22:21	PL	88-74-4	1
2-Nitrophenol	31.20	ug/L	5	8270C	09/05/11 22:21	PL	88-75-5	1
3-Nitroaniline	26.40	ug/L	20	8270C	09/05/11 22:21	PL	99-09-2	1
4-Nitroaniline	29.02	ug/L	20	8270C	09/05/11 22:21	PL	100-01-6	1
4-Nitrophenol	27.81	ug/L	20	8270C	09/05/11 22:21	PL	100-02-7	1
N-Nitrosodi-n-propylamine	30.82	ug/L	5	8270C	09/05/11 22:21	PL	621-64-7	1
N-Nitrosodiphenylamine	16.320	ug/L	5	8270C	09/05/11 22:21	PL	86-30-6	1
Naphthalene	28.95	ug/L	2	8270C	09/05/11 22:21	PL	91-20-3	1
Nitrobenzene	29.09	ug/L	5	8270C	09/05/11 22:21	PL	98-95-3	1
di-n-Octyl phthalate	40.04	ug/L	5	8270C	09/05/11 22:21	PL	117-84-0	1
Pentachlorophenol	33.42	ug/L	20	8270C	09/05/11 22:21	PL	87-86-5	1
Phenanthrene	34.27	ug/L	2	8270C	09/05/11 22:21	PL	85-01-8	1
Phenol	16.68	ug/L	5	8270C	09/05/11 22:21	PL	108-95-2	1
Pyrene	34.04	ug/L	2	8270C	09/05/11 22:21	PL	129-00-0	1
2,4,5-Trichlorophenol	31.67	ug/L	5	8270C	09/05/11 22:21	PL	95-95-4	1
2,4,6-Trichlorophenol	32.87	ug/L	5	8270C	09/05/11 22:21	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	10,182	ug/L	6,000	8260B	09/01/11 21:53	WAT	76-13-1	Y2
Acetone	5,000	ug/L	4,000	8260B	09/01/11 21:53	WAT	67-64-1	Y2
Carbon disulfide	8,892	ug/L	1,000	8260B	09/01/11 21:53	WAT	75-15-0	Y2
Methyl Acetate	9,276	ug/L	2,000	8260B	09/01/11 21:53	WAT	79-20-9	Y2
tert-Methyl butyl ether (MTBE)	9,778	ug/L	1,000	8260B	09/01/11 21:53	WAT	1634-04-4	Y2
2-Butanone (MEK)	5,862	ug/L	4,000	8260B	09/01/11 21:53	WAT	78-93-3	Y2
Dichlorodifluoromethane	7,172	ug/L	200	8260B	09/01/11 21:53	WAT	75-71-8	Y2
Chloromethane	8,578	ug/L	200	8260B	09/01/11 21:53	WAT	74-87-3	Y2
Vinyl chloride	8,920	ug/L	200	8260B	09/01/11 21:53	WAT	75-01-4	Y2
Bromomethane	9,948	ug/L	400	8260B	09/01/11 21:53	WAT	74-83-9	Y2
Chloroethane	11,016	ug/L	200	8260B	09/01/11 21:53	WAT	75-00-3	Y2
Trichlorofluoromethane	10,866	ug/L	200	8260B	09/01/11 21:53	WAT	75-69-4	Y2
1,1-Dichloroethene	9,628	ug/L	200	8260B	09/01/11 21:53	WAT	75-35-4	Y2
Methylene chloride	9,866	ug/L	1,000	8260B	09/01/11 21:53	WAT	75-09-2	Y2
trans-1,2-Dichloroethene	10,120	ug/L	200	8260B	09/01/11 21:53	WAT	156-60-5	Y2
1,1-Dichloroethane	10,024	ug/L	200	8260B	09/01/11 21:53	WAT	75-34-3	Y2

1-Wet Weight Spike: 0.050 mg/L
Y-Elevated reporting limit due to high target concentration 2-Spiked at 10mg/l

Lab Sample ID: S49841.04 (continued)
Sample Tag: MW-10-082611 MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
cis-1,2-Dichloroethene	11,064	ug/L	200	8260B	09/01/11 21:53	WAT	156-59-2	Y1
Chloroform	10,414	ug/L	200	8260B	09/01/11 21:53	WAT	67-66-3	Y1
1,1,1-Trichloroethane	10,478	ug/L	200	8260B	09/01/11 21:53	WAT	71-55-6	Y1
Cyclohexane	8,032	ug/L	200	8260B	09/01/11 21:53	WAT	110-82-7	Y1
4-Methyl-2-pentanone (MIBK)	9,300	ug/L	2,000	8260B	09/01/11 21:53	WAT	108-10-1	Y1
2-Hexanone	6,768	ug/L	10,000	8260B	09/01/11 21:53	WAT	591-78-6	JY1
Carbon tetrachloride	9,770	ug/L	200	8260B	09/01/11 21:53	WAT	56-23-5	Y1
Benzene	9,962	ug/L	200	8260B	09/01/11 21:53	WAT	71-43-2	Y1
1,2-Dichloroethane	10,042	ug/L	200	8260B	09/01/11 21:53	WAT	107-06-2	Y1
Trichloroethene	26,064	ug/L	200	8260B	09/01/11 21:53	WAT	79-01-6	Y1
1,2-Dichloropropane	10,380	ug/L	200	8260B	09/01/11 21:53	WAT	78-87-5	Y1
Bromodichloromethane	10,024	ug/L	200	8260B	09/01/11 21:53	WAT	75-27-4	Y1
Methyl cyclohexane	9,900	ug/L	4,000	8260B	09/01/11 21:53	WAT	108-87-2	Y1
cis-1,3-Dichloropropene	9,522	ug/L	200	8260B	09/01/11 21:53	WAT	10061-01-5	Y1
Toluene	10,068	ug/L	200	8260B	09/01/11 21:53	WAT	108-88-3	Y1
trans-1,3-Dichloropropene	9,542	ug/L	200	8260B	09/01/11 21:53	WAT	10061-02-6	Y1
1,1,2-Trichloroethane	10,176	ug/L	200	8260B	09/01/11 21:53	WAT	79-00-5	Y1
Tetrachloroethene	9,744	ug/L	200	8260B	09/01/11 21:53	WAT	127-18-4	Y1
Dibromochloromethane	9,688	ug/L	200	8260B	09/01/11 21:53	WAT	124-48-1	Y1
1,2-Dibromoethane	10,028	ug/L	200	8260B	09/01/11 21:53	WAT	106-93-4	Y1
Chlorobenzene	9,868	ug/L	200	8260B	09/01/11 21:53	WAT	108-90-7	Y1
1,1,2,2-Tetrachloroethane	10,110	ug/L	200	8260B	09/01/11 21:53	WAT	79-34-5	Y1
Ethylbenzene	10,032	ug/L	200	8260B	09/01/11 21:53	WAT	100-41-4	Y1
p,m-Xylene	19,918	ug/L	400	8260B	09/01/11 21:53	WAT		Y1
o-Xylene	10,114	ug/L	200	8260B	09/01/11 21:53	WAT	95-47-6	Y1
Styrene	9,614	ug/L	200	8260B	09/01/11 21:53	WAT	100-42-5	Y1
Isopropylbenzene	10,178	ug/L	200	8260B	09/01/11 21:53	WAT	98-82-8	Y1
Bromoform	9,522	ug/L	200	8260B	09/01/11 21:53	WAT	75-25-2	Y1
1,3-Dichlorobenzene	9,936.0	ug/L	200	8260B	09/01/11 21:53	WAT	541-73-1	Y1
1,4-Dichlorobenzene	9,854	ug/L	200	8260B	09/01/11 21:53	WAT	106-46-7	Y1
1,2-Dichlorobenzene	10,072.0	ug/L	200	8260B	09/01/11 21:53	WAT	95-50-1	Y1
1,2-Dibromo-3-chloropropane	9,462	ug/L	200	8260B	09/01/11 21:53	WAT	96-12-8	Y1
1,2,4-Trichlorobenzene	10,334	ug/L	400	8260B	09/01/11 21:53	WAT	120-82-1	Y1

Y-Elevated reporting limit due to high target concentration 1-Spiked at 10mg/l
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.05
Sample Tag: TB-082611
Collected Date/Time: 08/26/2011 00:01
Matrix: Groundwater
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	09/02/11 15:09	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	09/02/11 15:09	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	09/02/11 15:09	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	09/02/11 15:09	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	09/02/11 15:09	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	09/02/11 15:09	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	09/02/11 15:09	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	09/02/11 15:09	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	09/02/11 15:09	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	09/02/11 15:09	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	09/02/11 15:09	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	09/02/11 15:09	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	2	8260B	09/02/11 15:09	WAT		

Lab Sample ID: S49841.05 (continued)
Sample Tag: TB-082611

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	75-25-2	
1,3-Dichlorobenzene	0.050	ug/L	1	8260B	09/02/11 15:09	WAT	541-73-1	BJ
1,4-Dichlorobenzene	0.070	ug/L	1	8260B	09/02/11 15:09	WAT	106-46-7	BJ
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	09/02/11 15:09	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	09/02/11 15:09	WAT	120-82-1	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.06
Sample Tag: DW-1-082611-AQ
Collected Date/Time: 08/26/2011 12:19
Matrix: Liquid
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Amber	None	Yes	5.0	IR
2	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	2,000	8260B	09/02/11 16:33	WAT	76-13-1	Y
Acetone	2,400	ug/L	1,000	8260B	09/02/11 16:33	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/L	300	8260B	09/02/11 16:33	WAT	75-15-0	Y
Methyl Acetate	Not detected	ug/L	500	8260B	09/02/11 16:33	WAT	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	300	8260B	09/02/11 16:33	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/L	1,000	8260B	09/02/11 16:33	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-71-8	Y
Chloromethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-01-4	Y
Bromomethane	Not detected	ug/L	100	8260B	09/02/11 16:33	WAT	74-83-9	Y
Chloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/L	300	8260B	09/02/11 16:33	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	156-59-2	Y
Chloroform	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	500	8260B	09/02/11 16:33	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/L	3,000	8260B	09/02/11 16:33	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	56-23-5	Y
Benzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	107-06-2	Y
Trichloroethene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/L	1,000	8260B	09/02/11 16:33	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	10061-01-5	Y
Toluene	5.0	ug/L	50	8260B	09/02/11 16:33	WAT	108-88-3	JY
trans-1,3-Dichloropropene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	79-00-5	Y
Tetrachloroethene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	100-41-4	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.06 (continued)
Sample Tag: DW-1-082611-AQ

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	100	8260B	09/02/11 16:33	WAT		Y
o-Xylene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	95-47-6	Y
Styrene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	98-82-8	Y
Bromoform	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/L	50	8260B	09/02/11 16:33	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/L	100	8260B	09/02/11 16:33	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	09/02/11 16:33	JGH		
Isopropyl Alcohol	Found			8260B	09/02/11 16:33	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S49841.07
Sample Tag: DW-1-082611-SED
Collected Date/Time: 08/26/2011 12:22
Matrix: Liquid
COC Reference: 62081

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/31/11 23:59	EMR		
Inorganics								
Total Solids	71	%	1	Std M 2540 B	08/29/11 14:15	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	83-32-9	K
Acenaphthylene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	208-96-8	K
Acetophenone	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	98-86-2	K
Anthracene	490	ug/kg	350	8270C	09/08/11 00:23	PL	120-12-7	K
Atrazine	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	1912-24-9	K
1,1'-Biphenyl	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	92-52-4	K
4-Bromophenyl phenyl ether	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	101-55-3	K
di-n-Butyl phthalate	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	84-74-2	K
Benzaldehyde	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	100-52-7	K
Benzo(a)anthracene	2,440	ug/kg	350	8270C	09/08/11 00:23	PL	56-55-3	K
Benzo(a)pyrene	2,430	ug/kg	350	8270C	09/08/11 00:23	PL	50-32-8	KI
Benzo(b)fluoranthene	3,880	ug/kg	350	8270C	09/08/11 00:23	PL	205-99-2	KI
Benzo(ghi)perylene	1,110	ug/kg	350	8270C	09/08/11 00:23	PL	191-24-2	KI
Benzo(k)fluoranthene	2,860	ug/kg	350	8270C	09/08/11 00:23	PL	207-08-9	KI
Butyl benzyl phthalate	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	85-68-7	K
2-Chloronaphthalene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	91-58-7	K
2-Chlorophenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	95-57-8	K
4-Chloro-3-methylphenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	59-50-7	K
4-Chloroaniline	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	7005-72-3	K
Caprolactam	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	105-60-2	K
Carbazole	460	ug/kg	350	8270C	09/08/11 00:23	PL	86-74-8	K
bis(2-Chloroethoxy)methane	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	111-91-1	K
bis(2-Chloroethyl)ether	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	111-44-4	K
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	108-60-1	K
Chrysene	4,140	ug/kg	350	8270C	09/08/11 00:23	PL	218-01-9	K
2,4-Dichlorophenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	120-83-2	K
2,4-Dimethylphenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	105-67-9	K
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	121-14-2	K
2,6-Dinitrotoluene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	606-20-2	K
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	53-70-3	KI

K-Elevated reporting limit due to low total solids
I-Matrix interference with internal standard

Lab Sample ID: S49841.07 (continued)
Sample Tag: DW-1-082611-SED

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	132-64-9	K
Diethyl phthalate	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	84-66-2	K
Dimethyl phthalate	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	131-11-3	K
bis(2-Ethylhexyl)phthalate	9,700	ug/kg	350	8270C	09/08/11 00:23	PL	117-81-7	K
Fluoranthene	5,750	ug/kg	350	8270C	09/08/11 00:23	PL	206-44-0	K
Fluorene	350	ug/kg	350	8270C	09/08/11 00:23	PL	86-73-7	K
Hexachlorobenzene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	118-74-1	K
Hexachlorobutadiene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	87-68-3	K
Hexachlorocyclopentadiene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	77-47-4	K
Hexachloroethane	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	67-72-1	K
Indeno(1,2,3-cd)pyrene	1,340	ug/kg	350	8270C	09/08/11 00:23	PL	193-39-5	KI
Isophorone	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	78-59-1	K
2-Methylnaphthalene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	91-57-6	K
2-Methylphenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	95-48-7	K
3-, 4-Methylphenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	3/4-Cresol	K
2-Nitroaniline	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	88-75-5	K
3-Nitroaniline	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	621-64-7	K
N-Nitrosodiphenylamine	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	86-30-6	K
Naphthalene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	91-20-3	K
Nitrobenzene	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	98-95-3	K
di-n-Octyl phthalate	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	117-84-0	KI
Pentachlorophenol	Not detected	ug/kg	670	8270C	09/08/11 00:23	PL	87-86-5	
Phenanthrene	3,210	ug/kg	350	8270C	09/08/11 00:23	PL	85-01-8	K
Phenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	108-95-2	K
Pyrene	6,580	ug/kg	350	8270C	09/08/11 00:23	PL	129-00-0	K
2,4,5-Trichlorophenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	95-95-4	K
2,4,6-Trichlorophenol	Not detected	ug/kg	350	8270C	09/08/11 00:23	PL	88-06-2	K
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	83-32-9	X
Acenaphthylene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	208-96-8	X
Acetophenone	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	98-86-2	X
Anthracene	380	ug/kg	470	8270C	09/09/11 21:57	PL	120-12-7	JX
Atrazine	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	1912-24-9	X
1,1'-Biphenyl	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	92-52-4	X
4-Bromophenyl phenyl ether	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	101-55-3	X
di-n-Butyl phthalate	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	84-74-2	X
Benzaldehyde	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	100-52-7	X
Benzo(a)anthracene	1,820	ug/kg	470	8270C	09/09/11 21:57	PL	56-55-3	X
Benzo(a)pyrene	1,820	ug/kg	470	8270C	09/09/11 21:57	PL	50-32-8	X
Benzo(b)fluoranthene	2,850	ug/kg	470	8270C	09/09/11 21:57	PL	205-99-2	X

K-Elevated reporting limit due to low total solids
I-Matrix interference with internal standard
X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.07 (continued)
Sample Tag: DW-1-082611-SED

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Benzo(ghi)perylene	830	ug/kg	470	8270C	09/09/11 21:57	PL	191-24-2	X
Benzo(k)fluoranthene	2,380	ug/kg	470	8270C	09/09/11 21:57	PL	207-08-9	X
Butyl benzyl phthalate	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	85-68-7	X
2-Chloronaphthalene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	91-58-7	X
2-Chlorophenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	95-57-8	X
4-Chloro-3-methylphenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	59-50-7	X
4-Chloroaniline	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	7005-72-3	X
Caprolactam	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	105-60-2	X
Carbazole	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	86-74-8	X
bis(2-Chloroethoxy)methane	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	111-91-1	X
bis(2-Chloroethyl)ether	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	111-44-4	X
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	108-60-1	X
Chrysene	3,120	ug/kg	470	8270C	09/09/11 21:57	PL	218-01-9	X
2,4-Dichlorophenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	120-83-2	X
2,4-Dimethylphenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	105-67-9	X
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	121-14-2	X
2,6-Dinitrotoluene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	606-20-2	X
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	53-70-3	X
Dibenzofuran	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	132-64-9	X
Diethyl phthalate	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	84-66-2	X
Dimethyl phthalate	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	131-11-3	X
bis(2-Ethylhexyl)phthalate	7,770	ug/kg	470	8270C	09/09/11 21:57	PL	117-81-7	X
Fluoranthene	4,330	ug/kg	470	8270C	09/09/11 21:57	PL	206-44-0	X
Fluorene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	86-73-7	X
Hexachlorobenzene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	118-74-1	X
Hexachlorobutadiene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	87-68-3	X
Hexachlorocyclopentadiene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	77-47-4	X
Hexachloroethane	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	67-72-1	X
Indeno(1,2,3-cd)pyrene	970	ug/kg	470	8270C	09/09/11 21:57	PL	193-39-5	X
Isophorone	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	78-59-1	X
2-Methylnaphthalene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	91-57-6	X
2-Methylphenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	95-48-7	X
3-, 4-Methylphenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	3/4-Cresol	X
2-Nitroaniline	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	88-75-5	X
3-Nitroaniline	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	621-64-7	X
N-Nitrosodiphenylamine	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	86-30-6	X
Naphthalene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	91-20-3	X
Nitrobenzene	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	98-95-3	X
di-n-Octyl phthalate	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	117-84-0	X
Pentachlorophenol	Not detected	ug/kg	670	8270C	09/09/11 21:57	PL	87-86-5	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S49841.07 (continued)
Sample Tag: DW-1-082611-SED

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Phenanthrene	2,470	ug/kg	470	8270C	09/09/11 21:57	PL	85-01-8	X
Phenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	108-95-2	X
Pyrene	5,660	ug/kg	470	8270C	09/09/11 21:57	PL	129-00-0	X
2,4,5-Trichlorophenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	95-95-4	X
2,4,6-Trichlorophenol	Not detected	ug/kg	470	8270C	09/09/11 21:57	PL	88-06-2	X
TICs Semi-Volatiles								
TICs	Completed			8270C	09/08/11 00:23	PL		
TPH DRO (~C14-C32)	Completed			8270C	09/08/11 00:23	PL		
Pentadecane	Completed			8270C	09/08/11 00:23	PL		
Hexadecane	Completed			8270C	09/08/11 00:23	PL		
Tetradecane	Completed			8270C	09/08/11 00:23	PL		
Undecane	Completed			8270C	09/08/11 00:23	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	09/08/11 00:23	PL	117-81-7	
Fluoranthene	Completed			8270C	09/08/11 00:23	PL	206-44-0	
Pyrene	Completed			8270C	09/08/11 00:23	PL	129-00-0	
Phenanthrene	Completed			8270C	09/08/11 00:23	PL	85-01-8	
Dodecane	Completed			8270C	09/08/11 00:23	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	76-13-1	
Acetone	6,100	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-15-0	
Methyl Acetate	188	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	79-20-9	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	1634-04-4	
2-Butanone (MEK)	160	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	78-93-3	J
Dichlorodifluoromethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	156-59-2	
Chloroform	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	69	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	108-10-1	J
2-Hexanone	Not detected	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	56-23-5	
Benzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	79-01-6	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49841.07 (continued)
Sample Tag: DW-1-082611-SED

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,2-Dichloropropane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	10061-01-5	
Toluene	128	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	79-34-5	
Ethylbenzene	16	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	100-41-4	J
p,m-Xylene	62	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT		J
o-Xylene	42	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	95-47-6	J
Styrene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	98-82-8	
Bromoform	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	900	Low 5035/8260B	09/08/11 15:25	WAT	96-12-8	
1,2,4-Trichlorobenzene	38	ug/kg	500	Low 5035/8260B	09/08/11 15:25	WAT	120-82-1	BJ
TICs Volatiles								
TICs	Completed			8260B	09/08/11 15:25	JGH		
Decane	Found			8260B	09/08/11 15:25	JGH	124-18-5	
Undecane	Found			8260B	09/08/11 15:25	JGH		
Nonane	Found			8260B	09/08/11 15:25	JGH		
1,2,4-Trimethylbenzene	Found			8260B	09/08/11 15:25	JGH	95-63-6	
Benzene 1,2,3,5-tetramethyl-	Found			8260B	09/08/11 15:25	JGH		
Benzene, 1,2,4,5-tetramethyl-	Found			8260B	09/08/11 15:25	JGH		
Benzene, 2-ethyl-1,3-dimethyl	Found			8260B	09/08/11 15:25	JGH		
1,3,5-Trimethylbenzene	Found			8260B	09/08/11 15:25	JGH	108-67-8	
1,2,3-Trimethylbenzene	Found			8260B	09/08/11 15:25	JGH	526-73-8	
2-Methylnaphthalene	Found			8260B	09/08/11 15:25	JGH	91-57-6	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

All VOCs in trip blank cooler
1 Cooler

62081

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews Street, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: (585) 263-2820 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. DiNardo / A. Young

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Cat B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs + MTBE 30 mL	8270 SVOCs + 30 mL	Monitored Natural Attenuation (MNA)	SPECIAL INSTRUCTIONS/NOTES
49841.01	8/26	0730	MW-7-082611	GW	13	3	6	1	2	1			✓	✓	✓	MNA = Sulfide, Ethane, Ethene, Methane, Chloride, TOC, Sulfate, Alkalinity, Nitrate, Nitrite, Dissolved Ferrous Iron, Total dissolved Fe + Mn
.02	8/26	0921	MW-10-082611	GW	13	3	6	1	2	1			✓	✓	✓	
.03	8/26	0945	DI-082611-MS	GW	4	2	2						✓	✓		
.04	8/26	1000	DI-082611-MSD	GW	4	2	2						✓	✓		
.05	8/26	-	TB-082611	GW	1		1						✓			
.06	8/26	1219	DW-1-082611-AQ	M	3	1	2						✓	✓		1L for SVOCs (limited vol.)
.07	8/26	1222	DW-1-082611-SED	M	2	2							✓	✓		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Amanda Y	8/26/11	1430
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION Andrew Ball	29 Aug 11	0850

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 5.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

All VOCs in trip blank cooler
1 Cooler

62081

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Jeremy Wolf
COMPANY: O'Brien & Gere
ADDRESS: 400 Andrews Street, Suite 710
CITY: Rochester STATE: NY ZIP CODE: 14604
PHONE NO.: (585) 263-2820 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: jeremy.wolf@obg.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:

PROJECT NO./NAME: 47362/24 Seneca COR
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. DiNardo / A. Young

TURNAROUND TIME REQUIRED: ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☐ STANDARD ☐ LEVEL II ☐ LEVEL III ☒ OTHER Cat B EDD

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	2011 DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	8260 VOCs + MTBE 30 mL	8270 SVOCs + 30 TICs	Modified Method 4500 (NNA)	SPECIAL INSTRUCTIONS/NOTES
49841.01	8/26	0730	MW-7-082611	GW	13	3	6	1	2	1			✓	✓	✓	NNA = Sulfide, Ethane, Ethene, Methane, Chloride, TOC, Sulfate, Alkalinity, Nitrate, Nitrite, Dissolved Ferrous Iron, Total dissolved Fe + Mn
.02	8/26	0921	MW-10-082611	GW	13	3	6	1	2	1			✓	✓	✓	
.03	8/26	0945	~~DL-082611-MS~~ MW-10-082611-MS (Aby)	GW	4	2	2						✓	✓		
.04	8/26	1000	~~DL-082611-MSD~~ MW-10-082611-MSD (Aby)	GW	4	2	2						✓	✓		
.05	8/26	-	TB-082611	GW	1		1						✓			
.06	8/26	1219	DW-1-082611-AQ	M	3	1	2						✓	✓		1L for SVOCs (limited vol.)
.07	8/26	1222	DW-1-082611-SED	M	2	2							✓	✓		

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Amanda Y	8/26/11	1430
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
Anthony Ball	29Aug11	0800
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS

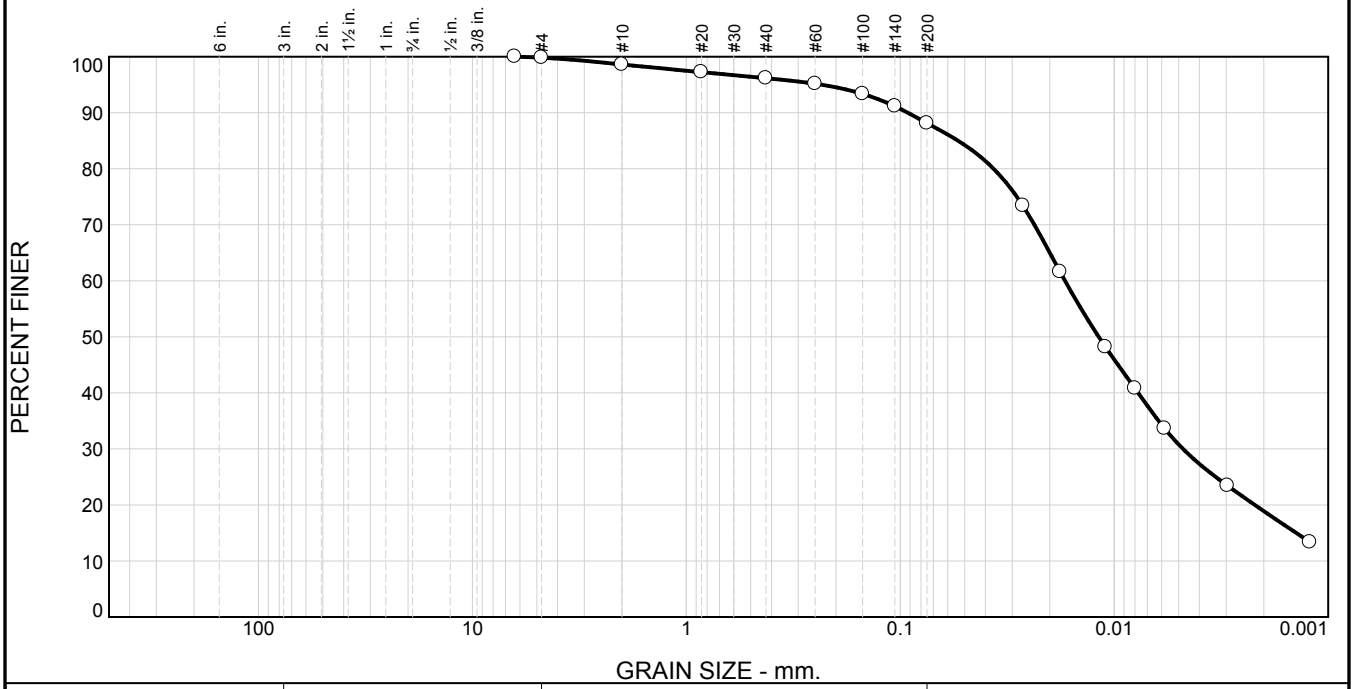
NOTES: TEMP. ON ARRIVAL 5.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Exhibit B

Geotechnical Sample Results

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.2	1.2	2.4	8.1	57.3	30.8

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.25	100.0		
#4	99.8		
#10	98.6		
#20	97.2		
#40	96.2		
#60	95.2		
#100	93.4		
#140	91.1		
#200	88.1		
0.0267 mm.	73.4		
0.0179 mm.	61.6		
0.0110 mm.	48.2		
0.0080 mm.	40.8		
0.0058 mm.	33.7		
0.0030 mm.	23.4		
0.0012 mm.	13.4		

* (no specification provided)

Material Description

ID#11-411

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 0.0923 D_{85}= 0.0537 D_{60}= 0.0170
D_{50}= 0.0118 D_{30}= 0.0048 D_{15}= 0.0014
D_{10}= C_u= C_c=

Remarks

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 4-6' **Date Sampled:**

Sample Number: MW-10

3rd Rock, LLC

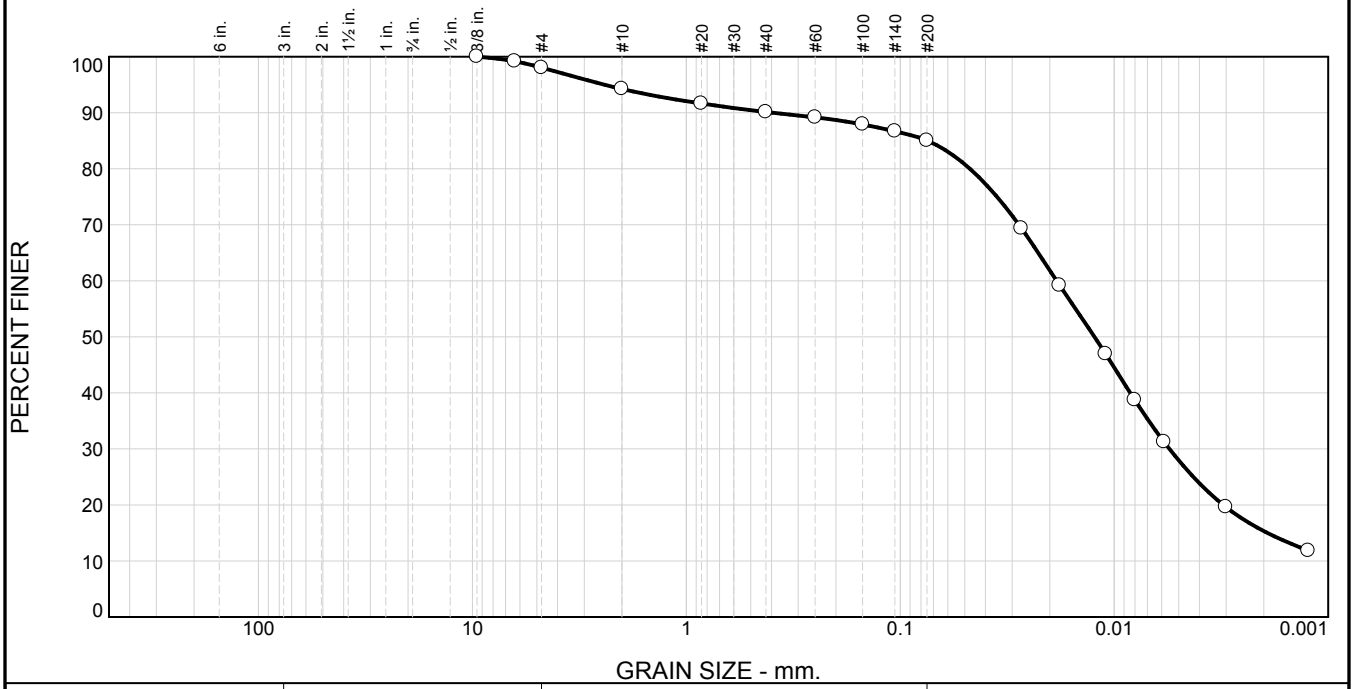
East Aurora, NY

Client: Nothnagle Drilling

Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	2.0	3.8	4.1	5.1	57.0	28.0

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.375	100.0		
.25	99.2		
#4	98.0		
#10	94.2		
#20	91.6		
#40	90.1		
#60	89.2		
#100	87.9		
#140	86.7		
#200	85.0		
0.0271 mm.	69.4		
0.0180 mm.	59.2		
0.0110 mm.	47.0		
0.0080 mm.	38.7		
0.0059 mm.	31.2		
0.0030 mm.	19.6		
0.0012 mm.	11.8		

* (no specification provided)

Material Description

ID#11-412

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 0.3965 D_{85}= 0.0747 D_{60}= 0.0186
D_{50}= 0.0124 D_{30}= 0.0055 D_{15}= 0.0019
D_{10}= C_u= C_c=

Remarks

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 6-8' **Date Sampled:**

Sample Number: MW-10

3rd Rock, LLC

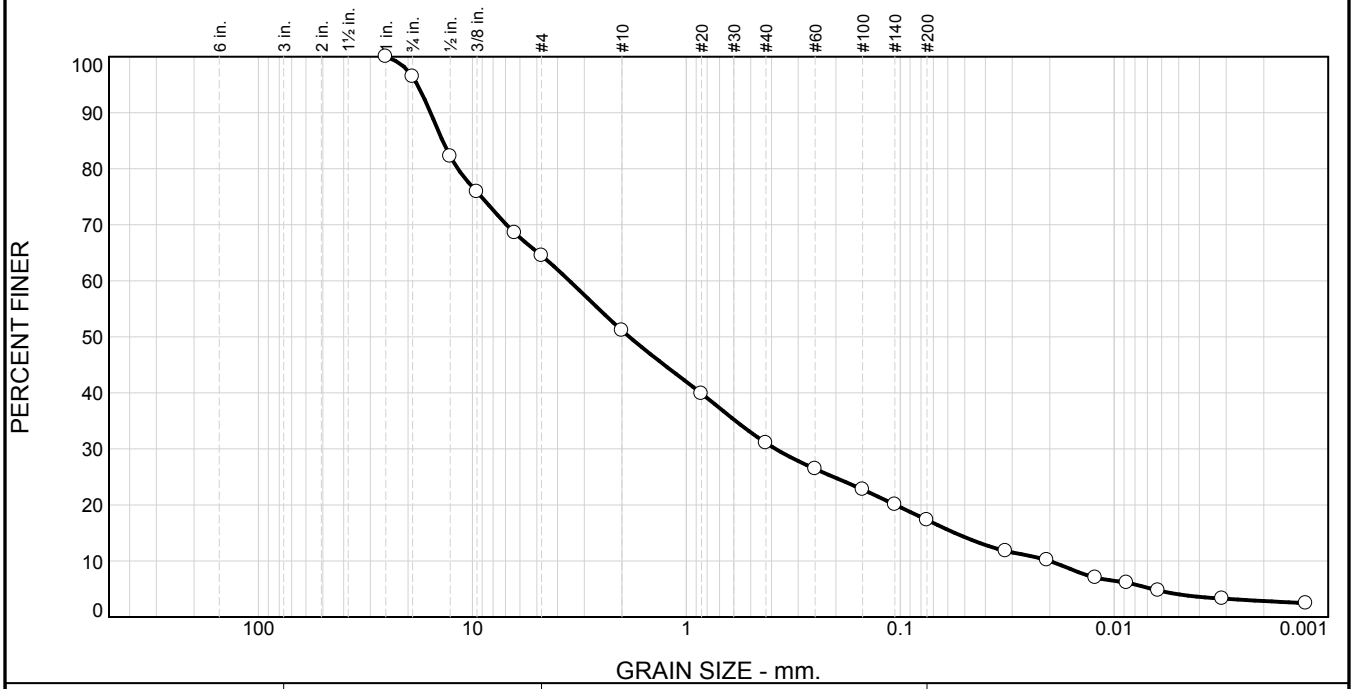
East Aurora, NY

Client: Nothnagle Drilling

Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	3.6	31.9	13.4	20.0	13.8	13.3	4.0

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
1	100.0		
.75	96.4		
.5	82.2		
.375	75.9		
.25	68.6		
#4	64.5		
#10	51.1		
#20	39.9		
#40	31.1		
#60	26.4		
#100	22.8		
#140	20.1		
#200	17.3		
0.0322 mm.	11.8		
0.0206 mm.	10.2		
0.0123 mm.	7.0		
0.0087 mm.	6.1		
0.0062 mm.	4.7		
0.0031 mm.	3.3		
0.0013 mm.	2.5		

* (no specification provided)

Material Description

ID#11-413

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 15.6992 D_{85}= 13.7842 D_{60}= 3.5159
D_{50}= 1.8472 D_{30}= 0.3828 D_{15}= 0.0555
D_{10}= 0.0201 C_u= 175.25 C_c= 2.08

Remarks

Used entire sample provided for testing.

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 2-4' **Date Sampled:**

Sample Number: MW-11

3rd Rock, LLC

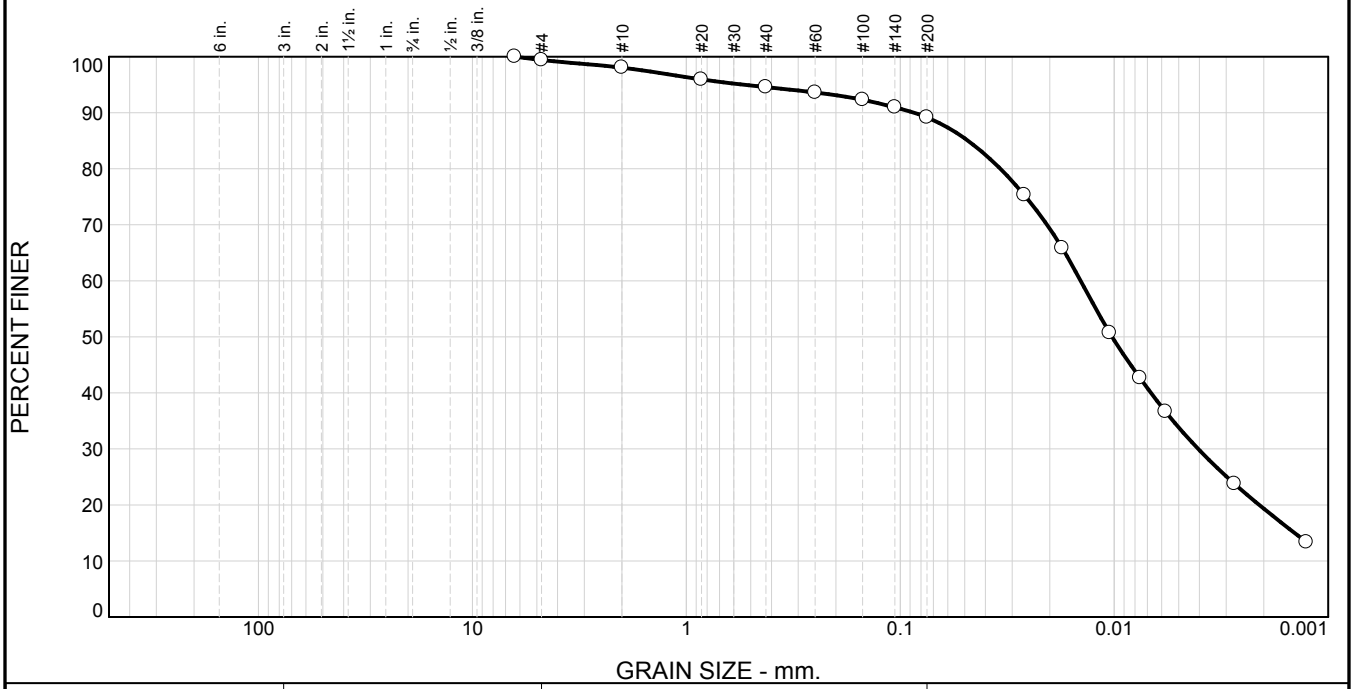
East Aurora, NY

Client: Nothnagle Drilling

Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.6	1.4	3.4	5.4	55.4	33.8

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.25	100.0		
#4	99.4		
#10	98.0		
#20	95.9		
#40	94.6		
#60	93.6		
#100	92.3		
#140	91.0		
#200	89.2		
0.0264 mm.	75.3		
0.0175 mm.	65.9		
0.0105 mm.	50.7		
0.0076 mm.	42.7		
0.0058 mm.	36.7		
0.0027 mm.	23.8		
0.0013 mm.	13.4		

* (no specification provided)

Material Description

ID#11-414

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 0.0864 D_{85}= 0.0483 D_{60}= 0.0144
D_{50}= 0.0102 D_{30}= 0.0041 D_{15}= 0.0014
D_{10}= C_u= C_c=

Remarks

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 8-10' **Date Sampled:**

Sample Number: MW-11

3rd Rock, LLC

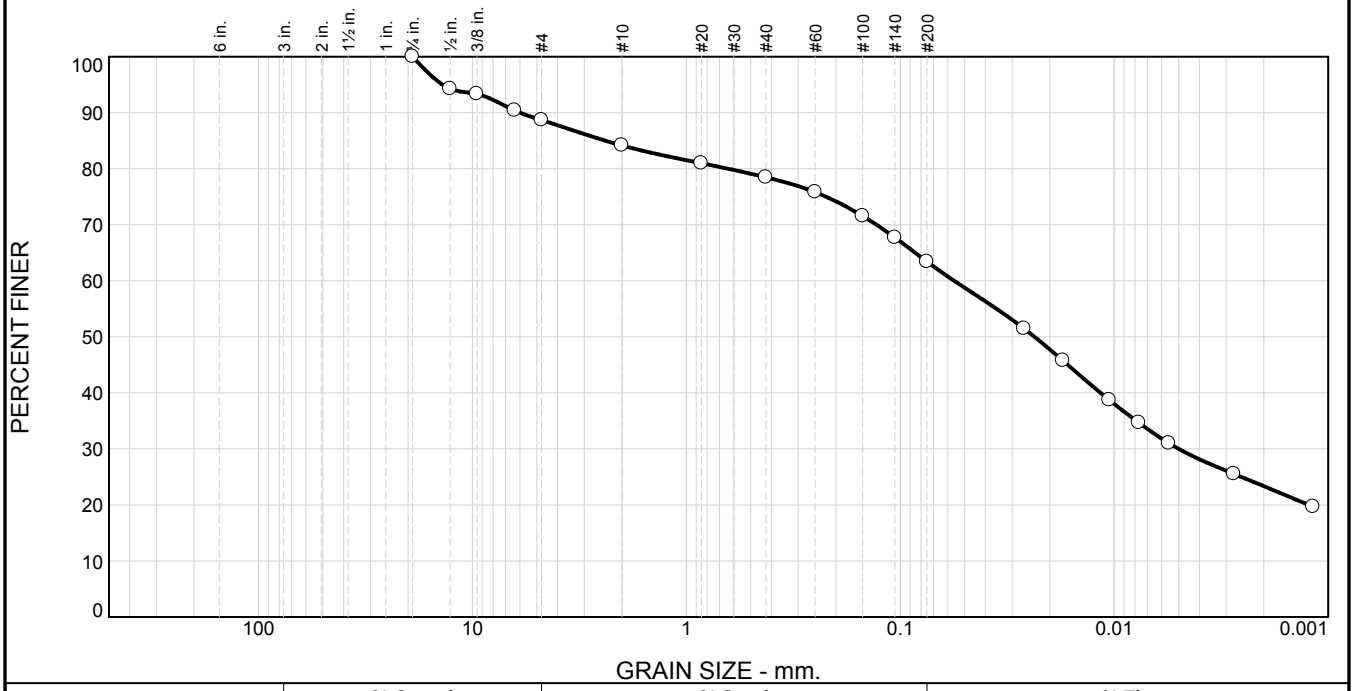
East Aurora, NY

Client: Nothnagle Drilling

Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	11.3	4.6	5.6	15.1	33.4	30.0

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.75	100.0		
.5	94.3		
.375	93.4		
.25	90.4		
#4	88.7		
#10	84.1		
#20	81.0		
#40	78.5		
#60	75.8		
#100	71.6		
#140	67.7		
#200	63.4		
0.0264 mm.	51.5		
0.0174 mm.	45.8		
0.0105 mm.	38.7		
0.0077 mm.	34.7		
0.0055 mm.	31.0		
0.0028 mm.	25.6		
0.0012 mm.	19.7		

* (no specification provided)

Material Description

ID#11-415

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 5.9867 D_{85}= 2.3896 D_{60}= 0.0559
D_{50}= 0.0236 D_{30}= 0.0050 D_{15}=
D_{10}= C_u= C_c=

Remarks

Used entire sample provided for testing.

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 2-4' **Date Sampled:**

Sample Number: MW-12

3rd Rock, LLC

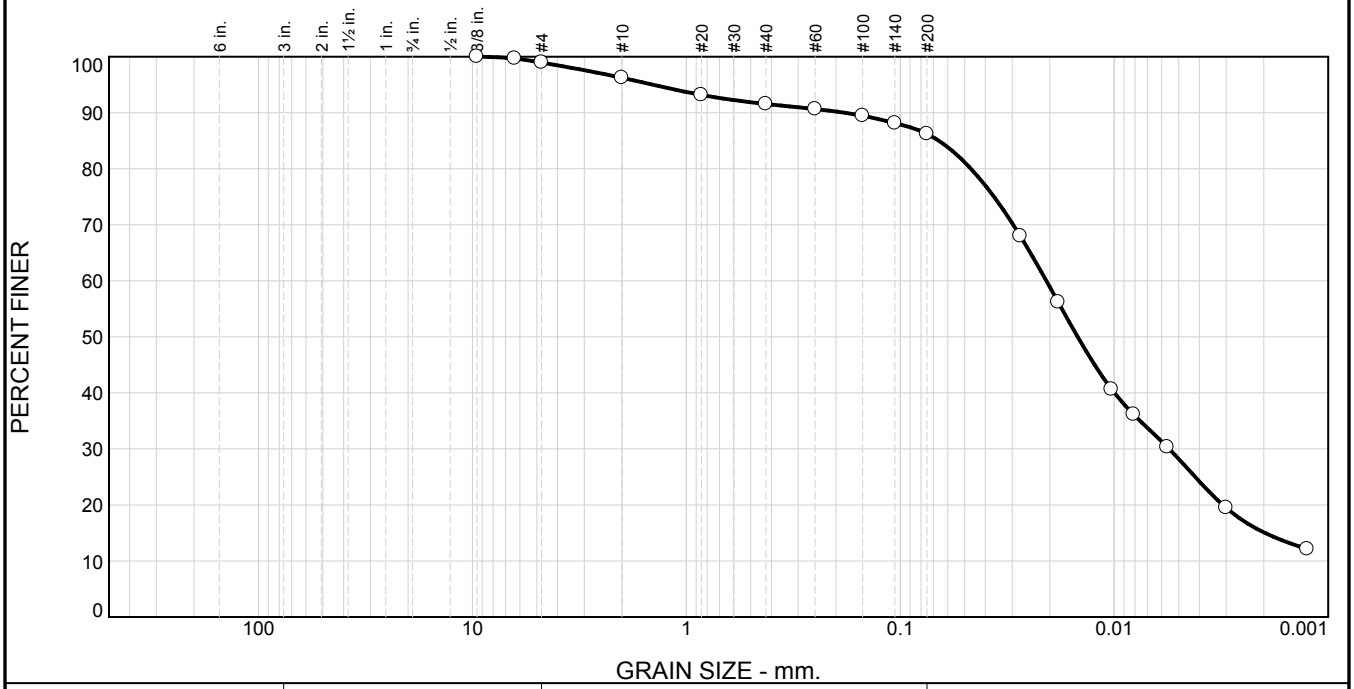
East Aurora, NY

Client: Nothnagle Drilling

Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.0	2.8	4.6	5.4	58.0	28.2

TEST RESULTS (ASTM D 422)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.375	100.0		
.25	99.7		
#4	99.0		
#10	96.2		
#20	93.2		
#40	91.6		
#60	90.6		
#100	89.4		
#140	88.1		
#200	86.2		
0.0275 mm.	68.0		
0.0183 mm.	56.2		
0.0103 mm.	40.6		
0.0081 mm.	36.1		
0.0056 mm.	30.3		
0.0030 mm.	19.5		
0.0013 mm.	12.1		

* (no specification provided)

Material Description

ID#11-416

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 0.1827 D_{85}= 0.0661 D_{60}= 0.0208
D_{50}= 0.0148 D_{30}= 0.0055 D_{15}= 0.0020
D_{10}= C_u= C_c=

Remarks

Date Received: 8/22/11 **Date Tested:** 9/12/11

Tested By: EA

Checked By: JMA

Title: LM

Source of Sample: Seneca Ave. **Depth:** 8-10' **Date Sampled:**

Sample Number: MW-12

3rd Rock, LLC

East Aurora, NY

Client: Nothnagle Drilling

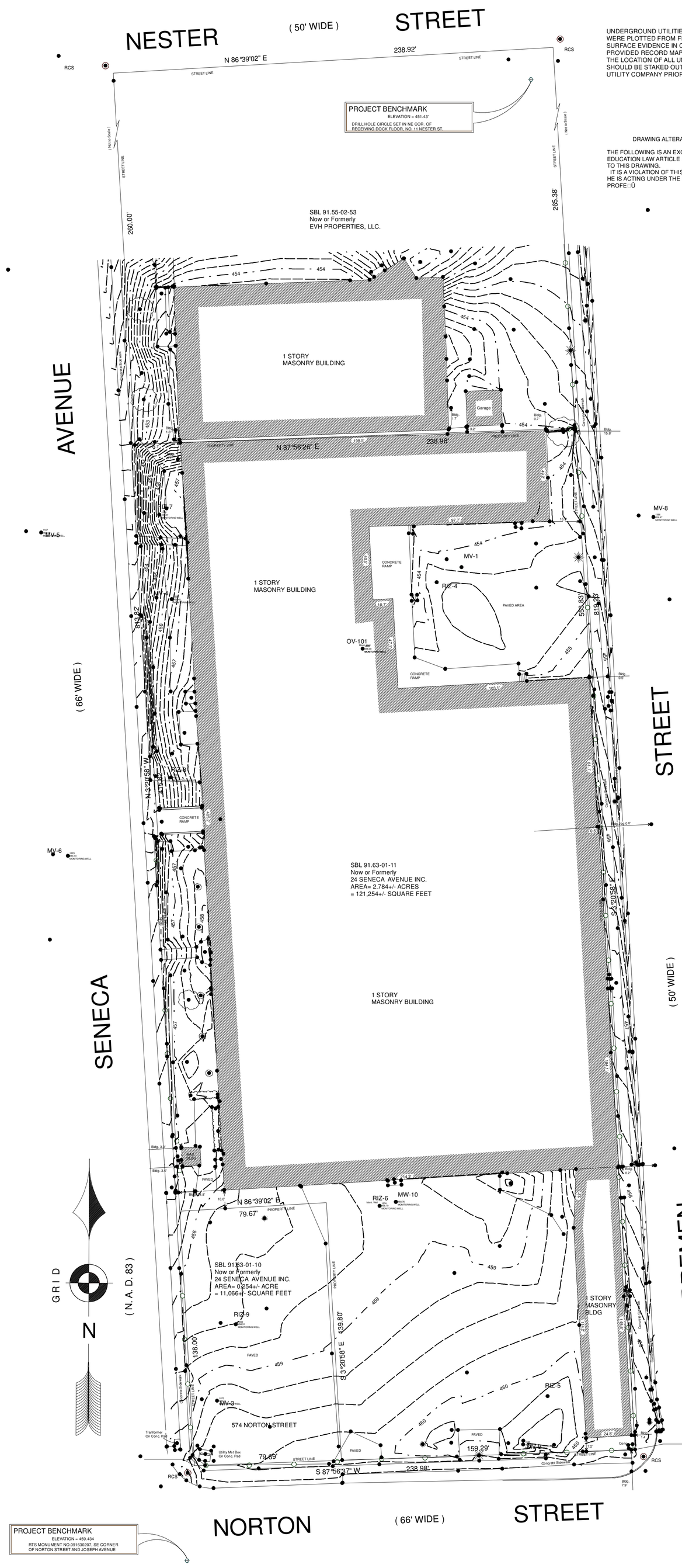
Project: 24 Seneca Avenue, Rochester, NY

Project No: 11-033 **Figure**

Exhibit C

Boundary and Topographic Survey Map

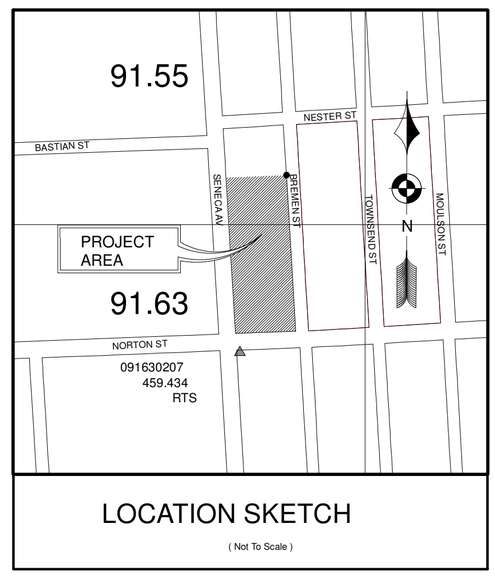
PATH: I:\Rochester-C,11862\47362.24-Seneca-Suppl\Docs\DWG\MXD\SRI_Rpt\CoR_TopoBound.mxd



UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATION OF UTILITY SURFACE EVIDENCE IN CONJUNCTION WITH PROVIDED RECORD MAPPING.
THE LOCATION OF ALL UNDERGROUND UTILITIES SHOULD BE STAKED OUT BY THE RESPECTIVE UTILITY COMPANY PRIOR TO ANY C□Ù

DRAWING ALTERATION

THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THIS DRAWING.
IT IS A VIOLATION OF THIS FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFE□Ù



LOCATION SKETCH

(Not To Scale)

NOTES AND REFERENCES:

1. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

2. THIS SURVEY IS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS□ê

5. DEED CHAINS FROM MAPS & SURVEYS OFFICE ON MICROFICHE, BY SBL'S SHOWN.

6. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY (DRIVEWAY, APRONS AND UTILITY CONNECTIONS) WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL LOT DEVELOPER. THE DEVELOPER OF EACH LOT MUST OBTAIN PERMITS FROM THE DEPARTMENT OF ENVIRONMENTAL SERVICES FOR ALL WO□y

NOTE:
No building or re-grading is to commence on this site without an approved site and grading plan, approved by the City Engineer, being submitted to the City of Rochester and prior to the issuance of a building permit. This plan must be completed by□Ø

HORIZONTAL CONTROL

THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 1983 TRANSVERSE MERCATOR PROJECTION, WESTERN ZONE, THROUGH CONTROL TIES TO THE FOLLOWING MONUMENTATION AND THE CITY JOBS NO. 90-025, 92-082, 92-088, 94-028 & 99-065.

1. KODAK TOWER NO.106690115 - N 1153155.993 E 1405400.552
2. BAUSCH & LOMB TOWER NO.121320114 -N 1151006.739 E 1409112.815
3. USC&GS MONUMENT "DUNN" NO. 091570101 - N 1164011.350 E 1410554.269
4. USC&GS MONUMENT "HARGRAVE" NO. 091390103 - N 1165675.024 E 1407825.032
5. USC&GS MONUMENT "SOBIESKI" NO. 091730105 - N 1161787.197 E 1410682.851

-THE PERIMETER AND TIES TO CONTROL MONUMENTS WERE ACCOMPLISHED USING PROCEDURES NECESSARY TO ACHIEVE A MINIMUM ACCURACY OF ONE PART IN TEN THOUSAND (1/10000) OR GREATER.

-COORDINATES SHOWN HEREON ARE AT GRID, DISTANCES ARE AT GROUND.

-COMBINED FACTOR (SEA LEVEL & SCALE FACTOR) = 0.99999398

-GROUND DISTANCES X COMBINED FACTOR = GRID DISTANCE.

VERTICAL CONTROL

THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO THE ROCHESTER CITY DATUM THROUGH CONTROL TIES TO THE FOLLOWING MONUMENTS:

1. USC&GS MONUMENT "HARGRAVE" NO. 091390103, ELEV. = 433.830'
2. USC&GS MONUMENT "DUNN" NO. 091570101, ELEV.= 460.30□ê

LEGEND:

- 509 - - - - CONTOUR (1.0' INTERVAL)
- CONTOUR (0.25' INTERVAL)
- CHAIN LINK FENCE
- DECIDUOUS TREE WITH DIAMETER
- HYDRANT
- CB CATCH BASIN
- SIGN POST
- RG&E HANDHOLE
- METAL/WOODEN LAMP POST
- TELEPHONE MANHOLE
- SEWER MANHOLE
- WV WATER VALVE
- GV GAS VALVE
- BOLLARD
- MW-7 R12-1 MONTORING WELL & NUMBER
- GATE (CENTER)
- MW-11 1556.807 MONITORING WELL

THIS DOCUMENT WAS DEVELOPED IN COLOR. REPOPRODUCTION IN B/W MAY NOT REPRESENT THE DATA AS INTENDED.

PLOT DATE: 01/13/12 10:06:34 AM DiNardAM

NOT TO SCALE

BOUNDARY & TOPOGRAPHIC SURVEY MAP

EXHIBIT B

CITY OF ROCHESTER
SUPPLEMENTAL RI REPORT
24 SENECA AVENUE
ROCHESTER, NEW YORK

JANUARY 2012
11862.47362

O'BRIEN & GERE

Exhibit D

Groundwater Monitoring Well Survey Coordinates

Groundwater Monitoring Well Survey Coordinates

Well ID	Northing	Easting	Ground Surface Elevation (ft amsl)	Top of 4 inch Well Casing Elevation (ft amsl)	Top of 2 inch PVC Riser (ft amsl)
MW-10	1162753.490	1408450.181	458.76	NA	458.49
MW-11	1162609.992	1408696.355	458.81	NA	458.49
MW-12	1162453.530	1408641.461	461.47	NA	461.19

Notes

ft amsl: feet above mean sea level

Monitoring wells surveyed by the City of Rochester.

Exhibit E

Disposal Records for Investigation Derived Waste

February 8, 2012

Henry Wilkie
Environmental Engineer 1
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015

hjwilkie@gw.dec.state.ny.us

RE: Request for delisting determination for Investigation Derived Waste

City of Rochester
24 Seneca Avenue Project
Rochester, New York
Site Number E-828132

Dear Mr. Wilkie:

On behalf of our client, the City of Rochester, O'Brien & Gere is requesting a delisting determination for Investigation Derived Waste (IDW) recently generated at the 24 Seneca Avenue Site (Site) located in the City of Rochester, New York. The Site is currently enrolled in the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Program (ERP Site No. E-828132). The IDW was generated as the result of Supplemental Remedial Investigation (RI) activities conducted this past fall. The IDW consists of the following waste streams contained in steel 55-gallon drums:

- Soil cuttings - from Geoprobe® drilling activities and installation of groundwater monitoring wells (3 drums)
- Drilling fluids (contaminated water/grout/concrete/bedrock chips) - from installation of bedrock groundwater monitoring wells (10 drums)
- Contaminated water - from monitoring well development and sampling activities, including decontamination wash water resulting from decontamination of equipment and sampling tools (4 drums)
- Debris - including polyethylene sheeting and sample tubing resulting from the execution of field activities (1 drum)

A total of nineteen drums of IDW are currently staged at the Site.

The Site has been used for various commercial and industrial uses since the early 1920's. An approximate 55-gallon trichloroethene (TCE) spill associated with H.P. Stein, a former building occupant, reportedly occurred during the time of H.P. Stein's tenure at the Site (1977-1986). TCE and two chlorinated solvents associated with the natural breakdown of TCE, cis-1,2-dichloroethene and vinyl chloride, were detected in soil and groundwater samples collected at the Site during the RI. These detected contaminants are assumed to be related to the historic spill of TCE. In its pure commercial grade formulation, TCE is a considered a listed hazardous waste. Due to the mixture rule, if a listed hazardous waste is combined with a non-hazardous waste, the resulting mixture will bear the same waste code(s) and regulatory status as the original hazardous component of the mixture unless the generator obtains a delisting determination for the waste stream.

The results of confirmatory waste characterization samples demonstrate that the IDW does not contain concentrations of TCE to warrant regulation as a hazardous material. Four composite samples were collected

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from the soil cuttings and contaminated water drums (IDW-Soil-1, IDW-Soil-2, IDW-Water-1 and IDW-Water-2) on December 28, 2011. The samples were analyzed for the Toxicity Characteristic Leaching Procedure (TCLP) list of RCRA toxicity characteristic (TC) volatile organic compounds (VOCs) and metals. The laboratory analytical reports for these samples are attached herein. The analytical results for all four samples were below the RCRA TC thresholds. On the basis of these results, we are requesting a delisting determination for the IDW presented above. This waste would subsequently be characterized as a non-hazardous waste and will be disposed of off-Site by Waste Management. It is our understanding that the drums will initially be transported to CWM Chemical Services, LLC at 1550 Balmer Road, Model City, New York (Model City). Liquids will be treated and disposed of at the Model City facility; solids will be repacked into bulk containers and transported to the Waste Management High Acres Landfill (a Part 360 permitted facility) in Fairport, New York.

Analytical data from subsurface soil and groundwater samples collected at the Site during the RI were previously provided to you via e-mail on January 24, 2012. Please do not hesitate to contact me here in the Rochester office at 585-295-7721 if you require further information and/or have any questions on this matter.

Very truly yours,
O'Brien & Gere Engineers, Inc.

Jeremy Wolf
Project Associate

CC: Jane Forbes, City of Rochester
Matt Gillette, NYSDEC

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

O'Brien & Gere

For Lab Project # 11-5598
Issued January 5, 2012
This report contains a total of 7 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LABORATORY REPORT FOR TCLP RCRA METALS ANALYSIS

Client: O' Brien & Gere

Client Job Site: 47362 24 Seneca Ave.

Client Job No.: N/A

Lab Project No.: 11-5598

Sample Type: TCLP Extract

Method: SW846 1311/3005/6010,7470

Date Sampled: 12/28/2011

Date Received: 12/28/2011

Date Analyzed: 12/30/2011 - 01/05/2012

Lab Sample ID	Field ID	Field Location	Ag (mg/L)	As (mg/L)	Ba (mg/L)	Cd (mg/L)	Cr (mg/L)	Pb (mg/L)	Se (mg/L)	Hg (mg/L)
18329	N/A	IDW-Soil-1	<0.050	<0.100	1.54	<0.025	<0.050	<0.100	<0.100	<0.0020
18330	N/A	IDW-Soil-2	<0.050	<0.100	1.39	<0.025	<0.050	<0.100	<0.100	<0.0020
18331	N/A	IDW-Water-1	<0.050	<0.100	<0.500	<0.025	<0.050	<0.100	<0.100	<0.0020
18332	N/A	IDW-Water-2	<0.050	<0.100	<0.500	<0.025	<0.050	<0.100	<0.100	<0.0020

ELAP ID No.: 10958

	Ag (mg/L)	As (mg/L)	Ba (mg/L)	Cd (mg/L)	Cr (mg/L)	Pb (mg/L)	Se (mg/L)	Hg (mg/L)
Regulatory Limit (mg/L):	5.0	5.0	100	1.0	5.0	5.0	1.0	0.2

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition upon receipt.

File ID:115598

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for TCLP Extract

Client: O'Brien & Gere

Client Job Site: 47362 24 Seneca Ave.
Client Job Number: N/A
Field Location: IDW-SOIL-1
Field ID Number: N/A
Sample Type: TCLP Extract

Lab Project Number: 11-5598
Lab Sample Number: 18329

Date Sampled: 12/28/2011
Date Received: 12/28/2011
Date Analyzed: 12/29/2011

Compound	Results in ug / L	Regulatory Limits in ug / L
Benzene	< 20.0	500
2-Butanone	< 100	200,000
Carbon Tetrachloride	< 20.0	500
Chlorobenzene	< 20.0	100,000
Chloroform	< 20.0	6,000
1,2-Dichloroethane	< 20.0	500
1,1-Dichloroethene	< 20.0	700
Tetrachloroethene	< 20.0	700
Trichloroethene	< 20.0	500
Vinyl chloride	< 20.0	200

ELAP Number 10958 Method: EPA 8260B Data File: V94554.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for TCLP Extract

Client: O'Brien & Gere

Client Job Site: 47362 24 Seneca Ave.
Client Job Number: N/A
Field Location: IDW-SOIL-2
Field ID Number: N/A
Sample Type: TCLP Extract

Lab Project Number: 11-5598
Lab Sample Number: 18330
Date Sampled: 12/28/2011
Date Received: 12/28/2011
Date Analyzed: 12/29/2011

Compound	Results in ug / L	Regulatory Limits in ug / L
Benzene	< 20.0	500
2-Butanone	< 100	200,000
Carbon Tetrachloride	< 20.0	500
Chlorobenzene	< 20.0	100,000
Chloroform	< 20.0	6,000
1,2-Dichloroethane	< 20.0	500
1,1-Dichloroethene	< 20.0	700
Tetrachloroethene	< 20.0	700
Trichloroethene	< 20.0	500
Vinyl chloride	< 20.0	200

ELAP Number 10958 Method: EPA 8260B Data File: V94555.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

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PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for TCLP Extract

Client: O'Brien & Gere

Client Job Site: 47362 24 Seneca Ave.
Client Job Number: N/A
Field Location: IDW-WATER-1
Field ID Number: N/A
Sample Type: TCLP Extract

Lab Project Number: 11-5598
Lab Sample Number: 18331
Date Sampled: 12/28/2011
Date Received: 12/28/2011
Date Analyzed: 12/29/2011

Compound	Results in ug / L	Regulatory Limits in ug / L
Benzene	< 20.0	500
2-Butanone	< 100	200,000
Carbon Tetrachloride	< 20.0	500
Chlorobenzene	< 20.0	100,000
Chloroform	< 20.0	6,000
1,2-Dichloroethane	< 20.0	500
1,1-Dichloroethene	< 20.0	700
Tetrachloroethene	< 20.0	700
Trichloroethene	25.5	500
Vinyl chloride	< 20.0	200

ELAP Number 10958 Method: EPA 8260B Data File: V94556.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for TCLP Extract

Client: O'Brien & Gere

Client Job Site:	47362 24 Seneca Ave.	**Lab Project Number:**	11-5598
		Lab Sample Number:	18332
Client Job Number:	N/A		
Field Location:	IDW-WATER-2	**Date Sampled:**	12/28/2011
Field ID Number:	N/A	**Date Received:**	12/28/2011
Sample Type:	TCLP Extract	**Date Analyzed:**	12/29/2011

Compound	Results in ug / L	Regulatory Limits in ug / L
Benzene	< 20.0	500
2-Butanone	< 100	200,000
Carbon Tetrachloride	< 20.0	500
Chlorobenzene	< 20.0	100,000
Chloroform	< 20.0	6,000
1,2-Dichloroethane	< 20.0	500
1,1-Dichloroethene	< 20.0	700
Tetrachloroethene	< 20.0	700
Trichloroethene	44.4	500
Vinyl chloride	< 20.0	200

ELAP Number 10958 Method: EPA 8260B Data File: V94557.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

12

REPORT TO:		INVOICE TO:			
COMPANY:	O'Brien & Gere	COMPANY:	Same	LAB PROJECT #: 11-5598	CLIENT PROJECT #:
ADDRESS:	400 Andrews, Suite 710	ADDRESS:			
CITY:	Rochester STATE: NY ZIP: 14604	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	245-7700 FAX: 263-2869	PHONE:	FAX:	STD	OTHER
PROJECT NAME/SITE NAME: 47362 24 Seneca Ave	ATTN: Jeremy Wolf	ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 5	☐
	COMMENTS: Jeremy.Wolf@obg.com			Quotation #	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCLP METALS	TCLP VOC *								REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/28/11	0930	X		IDW-SOIL-1	Soil	1	X	X								* TCLP VOC	18329
2	12/28/11	0930	X		IDW-SOIL-2	Soil	1	X	X								for TC	18330
3	12/28/11	0930	X		IDW-WATER-1	W	1	X	X								constituents only	18331
4	12/28/11	0930	X		IDW-WATER-2	W	1	X	X									18332
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 2°C iced	Y ☒	N ☐
Comments:		

Sampled By	12/28/11 0930 Date/Time	Total Cost:
Relinquished By	12/28/11 10:10 Date/Time	
Received By	12/28/11 10:10 Date/Time	P.I.F.
Elizabeth A Honch	12/28/11 1155 Date/Time	
Received @ Lab By		

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

Joe Martens
Acting Commissioner

FEB 29 2012

Mr. Jeremy Wolf, Project Associate
O'BRIEN & GERE
400 Andrews Street | Suite 710
Rochester, NY 14604

Re: Request for delisting determination for Investigation Derived Waste
City of Rochester, 24 Seneca Avenue Project, Rochester, New York
Site Number E-828132

Dear Mr. Wolf:

We have completed our review of the data submitted with your February 8, 2012 request, via e mail, for a "contained in" determination at the referenced project site. Concentrations detected for individual VOCs were all significantly less than their current "contained in" soil action levels and Land Disposal Restriction concentrations.

Concentrations for trichloroethene and tetrachloroethene, were below the soil "contained in" action level and the Land Disposal Restriction concentrations. Six (33) 55-gallon drums containing soil cuttings and ten (10) 55-gallon drums containing drilling fluids (contaminated water/grout/concrete/bedrock chips), collected during the installation of groundwater monitoring wells at the above-referenced project site, do not have to be managed as hazardous.

Also, the drum of sampling debris (i.e. sampling gloves and tubing), generated during the 2011 sampling event at the above-referenced project site, do not have to be managed as hazardous waste.

The water (purge, sampling and decon) generated during the 2011 groundwater sampling event meets "contained-in" groundwater action levels and Land Disposal Restriction concentrations. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level. Four (4) drums of water, generated during the 2011 groundwater sampling event at the above-referenced project site, does not have to be managed as hazardous waste.

In accordance with your request, these containers will be transported off-site to a Waste Management Facility (Model City and High Acres Landfill).

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9622 or email me at hjwilkie@gw.dec.state.ny.us.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Remedial Section B

CWMI

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
C E S Q G	1	(800) 424- 9300	WMNH 00011328

GENERATOR

5. Generator's Name and Mailing Address
CITY OF ROCHESTER Attn: Anne Spaulding
30 CHURCH ST RM 300B
ROCHESTER NY 14614

Generator's Site Address (if different than mailing address)
CITY OF ROCHESTER
24 SENECA AVE
ROCHESTER NY 14621

Generator's Phone: (585) 295- 7721

6. Transporter 1 Company Name: Franks Vacuum Truck Service — U.S. EPA ID Number: NYD982779284

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107

U.S. EPA ID Number: NYD049836679

Facility's Phone: (716) 286- 1550

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON DOT REGULATED MATERIAL 108396NY	3	DM	1,200 EST	P	
	2. NON DOT REGULATED MATERIAL 108399NY	4	DM	1,600 EST	P	
	3. NON DOT REGULATED MATERIAL 108402NY	1	DM	400 EST	P	
	4. NON DOT REGULATED MATERIAL 108403NY	4	DM	1600 EST	P	

13. Special Handling Instructions and Additional Information
1. 108396NY - NON HAZ SOIL BORINGS
2. 108399NY - NON HAZ WATER
3. 108402NY - NON HAZ DEBRIS
4. 108403NY - NON HAZ DRILLING FLUIDS, GROUT, CHIPS, CONCRETE
ER SERVICE CONTRACTED BY WASTE MANAGEMENT SR # _____

14. **GENERATOR'S CERTIFICATION:** 'I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.' I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jeremy S. Wolt for City of Rochester — cell 585-729-7535 — Signature: Jeremy S. Wolt for City of Rochester — Month 3 — Day 30 — Year 12

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DWAYNE Andrews — Signature: DWAYNE A — Month 3 — Day 30 — Year 12

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jarrod Cramer — Signature: Jarrod Cramer — Month 3 — Day 30 — Year 12

TRANSPORTER #1

Exhibit F

Data Usability Summary Reports

DATA USABILITY SUMMARY REPORT

For

SENECA STREET ERP

SDG NO. SB26106

ORGANICS

Sampling Date: March 24, 2011

Submitted to:

O'Brien & Gere Engineers
Suite 400, Harro East Building
400 Andrews Street.
Rochester, NY 14604
(585) 263 2820

For

New York State Department of Environmental Conservation (NYSDEC)
Albany, New York

Prepared by:

Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Avenue
Pittsburgh PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
ORGANIC
USEPA REGION II

Site: 24 Seneca-ERP SDG #: SB26106

Client: O'Brien & Gere Engineers Date: May 4, 2011

Laboratory: Test America Reviewer: L. Wright

Client ID	Laboratory ID	Matrix	VOA
SSV-Dup2-24SA-03231l	SB26106-01	Air	X
SSV-6-24SA-32311	SB26106-02	Air	X
SSV-5-24SA-032311	SB26106-03	Air	X
AA-2-24SA-032311	SB26106-04	Air	X
lA-Dup2-24SA-03231	SB26106-05	Air	X
lA-5-24SA-0323]	SB26106-06	Air	X
lA-6-24SA-032311	SB26106-07	Air	X

The data package contained one (7) air samples. The samples were analyzed via Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air; Second Edition, EPA/625/R-96/010b, January 1999. The adherence of laboratory analytical performance to this method's Analytical Specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (NYSDEC, 10/02). USEPA Region II checklist SOP# HW-31 rev 4 October 2006 was used as a guidance document. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC) and Traffic Report: All were present.

Holding Time: Holding time was within acceptable criterion.

Calibration Quality Control: Results were acceptable.

Blanks Quality Control: Results are acceptable.

Laboratory Control Sample (LCS): The following were qualified due to deficiencies;

Client ID	Compound	Qualifier
AA-2-24SA-032311	1,3-butadiene	UJ

Field Quality Control: Results were acceptable.

Compound Quantitation: All were acceptable.

Data usability: Data qualified with the “UJ” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “J” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “R” qualifier are not usable due to severe quality control issues. Data qualified with the “U” qualifier are usable as there are no quality control issues.

ATTACHMENT A

VALIDATED AND QUALIFIED DATA SHEETS (FORM 1s)

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573077 SSV-Dup2-24SA-032311 SB26106-01	250381	Soil Gas/Sub Slab	24-Mar-11 12:10	25-Mar-11

Air Quality Analyses

EPA TO-15 | ppbv | Prepared 30-Mar-11 Dilution: 1 | Can pressure: -6 Can ID: 0647

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.0930	0.500	< 0.16	0.86	U	EPA TO-15	30-Mar-11	KG	1105637	
75-71-8	Dichlorodifluoromethane (Freon12)	2.67	0.500	13.20	2.47		"	"	"	"	X
74-87-3	Chloromethane	< 0.455	0.500	< 0.94	1.03	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.249	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	< 0.271	0.500	< 0.64	1.19	U	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	72.4	0.500	406.86	2.81		"	"	"	"	X
64-17-5	Ethanol	7.62	0.500	14.37	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	2.63	0.500	9.13	1.74		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.03	0.500	7.89	3.83		"	"	"	"	X
75-15-0	Carbon disulfide	1.27	0.500	3.95	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	< 0.212	0.500	< 0.52	1.23	U	"	"	"	"	X
78-93-3	2-Butanone (MEK)	1.02	0.500	3.01	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	0.960	0.500	3.81	1.98		"	"	"	"	X
110-54-3	Hexane	2.47	0.500	8.71	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	2.01	0.500	7.24	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.167	0.500	< 0.49	1.47	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	3.26	0.500	17.79	2.73		"	"	"	"	X
71-43-2	Benzene	0.870	0.500	2.78	1.60		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	3.91	0.500	13.46	1.72		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	44.4	0.500	238.62	2.69		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	1.03	0.500	4.22	2.05		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	1.31	0.500	4.93	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573077 SSV-Dup2-24SA-032311 SB26106-01	250381	Soil Gas/Sub Slab	24-Mar-11 12:10	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1				Can pressure: -6 Can ID: 0647				
127-18-4	Tetrachloroethene	4.22	0.500	28.62	3.39		EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	0.110	0.500	0.48	2.17	J	"	"	"	"	X
179601-23-1	m,p-Xylene	0.420	0.500	1.82	2.17	J	"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	0.150	0.500	0.65	2.17	J	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.170	0.500	< 1.17	3.43	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.211	0.500	< 1.04	2.46	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0940	0.500	< 0.46	2.46	U	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	0.100	0.500	0.49	2.46	J	"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.170	0.500	< 1.02	3.01	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.0930	0.500	< 0.51	2.74	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	

LW-5/10/11

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~~* Reportable Detection Limit BRL = Below Reporting Limit~~

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573078 SSV-6-24SA-032311 SB26106-02	250381	Soil Gas/Sub Slab	24-Mar-11 10:45	25-Mar-11

Air Quality Analyses

EPA TO-15 — ppbv — Prepared 30-Mar-11, Dilution: 1 — Can pressure: -3, Can ID: 0663

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	< 0.0930	0.500	< 0.16	0.86	U	EPA TO-15	30-Mar-11	KG	1105637	
75-71-8	Dichlorodifluoromethane (Freon12)	0.790	0.500	3.91	2.47		"	"	"	"	X
74-87-3	Chloromethane	< 0.455	0.500	< 0.94	1.03	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.248	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	43.2	0.500	102.66	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.550	0.500	3.09	2.81		"	"	"	"	X
64-17-5	Ethanol	8.59	0.500	16.20	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	0.380	0.500	1.32	1.74	J	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.202	0.500	< 1.55	3.83	U	"	"	"	"	X
75-15-0	Carbon disulfide	1.15	0.500	3.58	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	4.18	0.500	10.26	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	1.72	0.500	5.07	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.101	0.500	< 0.40	1.98	U	"	"	"	"	X
110-54-3	Hexane	26.7	0.500	94.13	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	22.8	0.500	82.15	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.167	0.500	< 0.49	1.47	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	1.82	0.500	9.93	2.73		"	"	"	"	X
71-43-2	Benzene	5.72	0.500	18.25	1.60		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	12.4	0.500	42.68	1.72		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	2.25	0.500	12.09	2.69		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	36.1	0.500	147.94	2.05		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	9.36	0.500	35.22	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

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~~* Reportable Detection Limit~~ ~~BRL = Below Reporting Limit~~

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573078 SSV-6-24SA-032311 SB26106-02	250381	Soil Gas/Sub Slab	24-Mar-11 10:45	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1				Can pressure: -3 Can ID: 0663				
127-18-4	Tetrachloroethene	1.63	0.500	11.05	3.39		EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	0.770	0.500	3.34	2.17		"	"	"	"	X
179601-23-1	m,p-Xylene	4.11	0.500	17.82	2.17		"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	1.25	0.500	5.42	2.17		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	0.240	0.500	1.65	3.43	J	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	0.860	0.500	4.23	2.46		"	"	"	"	X
622-96-8	4-Ethyltoluene	0.200	0.500	0.98	2.46	J	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	1.25	0.500	6.15	2.46		"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.170	0.500	< 1.02	3.01	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	0.160	0.500	0.88	2.74	J	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	112		70-130 %			"	"	"	"	

LW-5/10/11

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~~* Reportable Detection Limit — BRL = Below Reporting Limit~~

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573079 SSV-5-24SA-032311 SB26106-03	250381	Soil Gas/Sub Slab	24-Mar-11 12:09	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1				Can pressure: 0 Can ID: 471				
115-07-1	Propene	< 0.0930	0.500	< 0.16	0.86	U	EPA TO-15	30-Mar-11	KG	1105637	
75-71-8	Dichlorodifluoromethane (Freon12)	2.61	0.500	12.91	2.47		"	"	"	"	X
74-87-3	Chloromethane	< 0.455	0.500	< 0.94	1.03	U	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.249	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	< 0.271	0.500	< 0.64	1.19	U	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	73.3	0.500	411.92	2.81		"	"	"	"	X
64-17-5	Ethanol	6.64	0.500	12.52	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	2.69	0.500	9.34	1.74		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.03	0.500	7.89	3.83		"	"	"	"	X
75-15-0	Carbon disulfide	1.35	0.500	4.20	1.56		"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	< 0.212	0.500	< 0.52	1.23	U	"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.760	0.500	2.24	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	0.970	0.500	3.85	1.98		"	"	"	"	X
110-54-3	Hexane	2.65	0.500	9.34	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	13.1	0.500	47.20	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.167	0.500	< 0.49	1.47	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	3.24	0.500	17.68	2.73		"	"	"	"	X
71-43-2	Benzene	0.930	0.500	2.97	1.60		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	3.83	0.500	13.18	1.72		"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	43.2	0.500	232.17	2.69		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	1.01	0.500	4.14	2.05		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	2.01	0.500	7.56	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573079 SSV-5-24SA-032311 SB26106-03	250381	Soil Gas/Sub Slab	24-Mar-11 12:09	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1				Can pressure: 0 Can ID: 471				
127-18-4	Tetrachloroethene	3.89	0.500	26.38	3.39		EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	0.130	0.500	0.56	2.17	J	"	"	"	"	X
179601-23-1	m,p-Xylene	0.490	0.500	2.12	2.17	J	"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	0.170	0.500	0.74	2.17	J	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.170	0.500	< 1.17	3.43	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.211	0.500	< 1.04	2.46	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0940	0.500	< 0.46	2.46	U	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	0.110	0.500	0.54	2.46	J	"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.170	0.500	< 1.02	3.01	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.0930	0.500	< 0.51	2.74	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	

LW-5/10/11

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573080 AA-2-24SA-032311 SB26106-04	250381	Outdoor/Ambient Air	24-Mar-11 12:50	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15 Low Level		ppbv	Prepared 01-Apr-11 Dilution: 1				Can pressure: -5 Can ID: 7639				
115-07-1	Propene	< 0.084000	0.10000	< 0.14	0.17	U	EPA TO-15	01-Apr-11	KRL	1105919	
75-71-8	Dichlorodifluoromethane (Freon12)	0.40000	0.10000	1.98	0.49		"	"	"	"	X
74-87-3	Chloromethane	0.45000	0.10000	0.93	0.21	~~BsL~~	"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.057000	0.10000	< 0.40	0.70	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.064000	0.10000	< 0.16	0.26	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.055000	0.10000	< 0.12	0.22	U J	"	"	"	"	X
74-83-9	Bromomethane	< 0.052000	0.10000	< 0.20	0.39	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.076000	0.10000	< 0.20	0.26	U	"	"	"	"	X
67-64-1	Acetone	1.4900	0.50000	3.54	1.19	~~BsL~~	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.22000	0.10000	1.24	0.56	~~BsL~~	"	"	"	"	X
64-17-5	Ethanol	4.3900	0.50000	8.28	0.94	~~BsL~~	"	"	"	"	
107-13-1	Acrylonitrile	< 0.064000	0.10000	< 0.14	0.22	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.073000	0.10000	< 0.29	0.40	U	"	"	"	"	X
75-09-2	Methylene chloride	< 0.062000	0.10000	< 0.22	0.35	U	"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.080000	0.10000	0.61	0.77	J	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.057000	0.50000	< 0.18	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.042000	0.10000	< 0.17	0.40	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.049000	0.10000	< 0.20	0.40	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.049000	0.10000	< 0.18	0.36	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	0.28000	0.50000	0.69	1.23	J	"	"	"	"	X
78-93-3	2-Butanone (MEK)	0.14000	0.10000	0.41	0.29		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.049000	0.10000	< 0.19	0.40	U	"	"	"	"	X
110-54-3	Hexane	0.28000	0.50000	0.99	1.76	J	"	"	"	"	X
141-78-6	Ethyl acetate	0.60000	0.10000	2.16	0.36		"	"	"	"	
67-66-3	Chloroform	< 0.045000	0.10000	< 0.22	0.49	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.053000	0.10000	< 0.16	0.29	U	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.046000	0.10000	< 0.19	0.40	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.052000	0.10000	< 0.28	0.55	U	"	"	"	"	X
71-43-2	Benzene	0.17000	0.10000	0.54	0.32		"	"	"	"	X
56-23-5	Carbon tetrachloride	0.080000	0.10000	0.50	0.63	J	"	"	"	"	X
110-82-7	Cyclohexane	< 0.081000	0.10000	< 0.28	0.34	U	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.049000	0.10000	< 0.23	0.46	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.053000	0.10000	< 0.36	0.67	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.052000	0.10000	< 0.28	0.54	U	"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.067000	0.50000	< 0.24	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	< 0.061000	0.10000	< 0.25	0.41	U	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.053000	0.10000	< 0.22	0.41	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.047000	0.10000	< 0.21	0.45	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.047000	0.10000	< 0.21	0.45	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.066000	0.10000	< 0.36	0.55	U	"	"	"	"	X
108-88-3	Toluene	0.15000	0.10000	0.56	0.38		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.042000	0.10000	< 0.17	0.41	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.059000	0.10000	< 0.50	0.85	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.043000	0.10000	< 0.33	0.77	U	"	"	"	"	X

LW-5/10/11

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573080 AA-2-24SA-032311 SB26106-04	250381	Outdoor/Ambient Air	24-Mar-11 12:50	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15 Low Level		ppbv	Prepared 01-Apr-11 Dilution: 1				Can pressure: -5 Can ID: 7639				
127-18-4	Tetrachloroethene	< 0.061000	0.10000	< 0.41	0.68	U	EPA TO-15	01-Apr-11	KRL	1105919	X
108-90-7	Chlorobenzene	< 0.061000	0.10000	< 0.28	0.46	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.047000	0.10000	< 0.32	0.69	U	"	"	"	"	
100-41-4	Ethylbenzene	< 0.067000	0.10000	< 0.29	0.43	U	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.10900	0.20000	< 0.47	0.87	U	"	"	"	"	X
75-25-2	Bromoform	< 0.046000	0.10000	< 0.48	1.03	U	"	"	"	"	X
100-42-5	Styrene	< 0.053000	0.10000	< 0.23	0.43	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.061000	0.10000	< 0.26	0.43	U	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.066000	0.10000	< 0.45	0.69	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.056000	0.10000	< 0.28	0.49	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.046000	0.10000	< 0.23	0.49	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.055000	0.10000	< 0.27	0.49	U	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.039000	0.10000	< 0.19	0.49	U	"	"	"	"	X
91-20-3	Naphthalene	< 0.18300	0.50000	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.055000	0.10000	< 0.33	0.60	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.062000	0.10000	< 0.32	0.52	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.061000	0.10000	< 0.37	0.60	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.052000	0.10000	< 0.29	0.55	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.062000	0.10000	< 0.33	0.54	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.053000	0.10000	< 0.32	0.60	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.056000	0.10000	< 0.31	0.55	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.053000	0.10000	< 0.39	0.74	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.040000	0.10000	< 0.43	1.07	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	
EPA TO-15 Chlorinated SIM		ppbv	Prepared 01-Apr-11 Dilution: 1				Can pressure: -5 Can ID: 7639				
79-01-6	Trichloroethene	< 0.011800	0.040000	< 0.06	0.21	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*			"	"	"	"	

LW-5/10/11

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~~* Reportable Detection Limit~~ ~~BRL = Below Reporting Limit~~

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573081 IA-Dup2-24SA-032311 SB26106-05	250381	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1			GS	Can pressure: -1 Can ID: 0697				
115-07-1	Propene	< 0.0930	0.500	< 0.16	0.86	U	EPA TO-15	30-Mar-11	KG	1105637	
75-71-8	Dichlorodifluoromethane (Freon12)	0.770	0.500	3.81	2.47		"	"	"	"	X
74-87-3	Chloromethane	0.560	0.500	1.16	1.03		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.249	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	83.7	0.500	198.89	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.720	0.500	4.05	2.81		"	"	"	"	X
64-17-5	Ethanol	24.1	0.500	45.44	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	1.07	0.500	3.72	1.74		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.202	0.500	< 1.55	3.83	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.185	0.500	< 0.58	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	8.26	0.500	20.27	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	2.12	0.500	6.25	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	0.560	0.500	2.22	1.98		"	"	"	"	X
110-54-3	Hexane	0.770	0.500	2.71	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	5.40	0.500	19.46	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	0.600	0.500	1.77	1.47		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	3.87	0.500	21.11	2.73		"	"	"	"	X
71-43-2	Benzene	0.400	0.500	1.28	1.60	J	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	0.290	0.500	1.00	1.72	J	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	4.61	0.500	24.78	2.69		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	0.340	0.500	1.39	2.05	J	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	2.03	0.500	7.64	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573081 IA-Dup2-24SA-032311 SB26106-05	250381	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1			GS	Can pressure: -1 Can ID: 0697				
127-18-4	Tetrachloroethene	0.230	0.500	1.56	3.39	J	EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	0.300	0.500	1.30	2.17	J	"	"	"	"	X
179601-23-1	m,p-Xylene	0.580	0.500	2.51	2.17		"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	< 0.110	0.500	< 0.48	2.17	U	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.170	0.500	< 1.17	3.43	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.211	0.500	< 1.04	2.46	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.0940	0.500	< 0.46	2.46	U	"	"	"	"	
95-63-5	1,2,4-Trimethylbenzene	< 0.0890	0.500	< 0.44	2.46	U	"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.170	0.500	< 1.02	3.01	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.0930	0.500	< 0.51	2.74	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*			"	"	"	"	

LW-5/10/11

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573082 IA-5-24SA-032311 SB26106-06	250381	Indoor/Ambient Air	24-Mar-11 12:25	25-Mar-11

Air Quality Analyses

EPA TO-15 — ppbv — Prepared 30-Mar-11 — Dilution: 1 — GS — Can pressure: -1 — Can ID: 0490

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
115-07-1	Propene	6.63	0.500	11.41	0.86		EPA TO-15	30-Mar-11	KG	1105537	
75-71-8	Dichlorodifluoromethane (Freon12)	1.01	0.500	4.99	2.47		"	"	"	"	X
74-87-3	Chloromethane	0.710	0.500	1.47	1.03		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.249	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	< 0.271	0.500	< 0.64	1.19	U	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	40.1	0.500	225.35	2.81		"	"	"	"	X
64-17-5	Ethanol	69.1	0.500	130.29	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	3.56	0.500	12.36	1.74		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.202	0.500	< 1.55	3.83	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.185	0.500	< 0.58	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	3.12	0.500	7.66	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	1.54	0.500	4.54	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.101	0.500	< 0.40	1.98	U	"	"	"	"	X
110-54-3	Hexane	2.54	0.500	8.95	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	2.84	0.500	10.23	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	0.290	0.500	0.86	1.47	J	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.159	0.500	< 0.87	2.73	U	"	"	"	"	X
71-43-2	Benzene	1.45	0.500	4.63	1.60		"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	0.290	0.500	1.00	1.72	J	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	< 0.0800	0.500	< 0.43	2.69	U	"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	0.520	0.500	2.13	2.05		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	5.37	0.500	20.21	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573082 IA-5-24SA-032311 SB26106-06	250381	Indoor/Ambient Air	24-Mar-11 12:25	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1			GS	Can pressure: -1 Can ID: 0490				
127-18-4	Tetrachloroethene	< 0.100	0.500	< 0.68	3.39	U	EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	0.720	0.500	3.12	2.17		"	"	"	"	X
179601-23-1	m,p-Xylene	2.98	0.500	12.92	2.17		"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	0.920	0.500	3.99	2.17		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.170	0.500	< 1.17	3.43	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.211	0.500	< 1.04	2.46	U	"	"	"	"	X
622-96-8	4-Ethyltoluene	0.230	0.500	1.13	2.46	J	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	0.760	0.500	3.74	2.46		"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.170	0.500	< 1.02	3.01	U	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.0930	0.500	< 0.51	2.74	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	

LW-5/10/11

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573083 IA-6-24SA-032311 SB26106-07	250381	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1			GS	Can pressure: +1 Can ID: 0235				
115-07-1	Propene	< 0.0930	0.500	< 0.16	0.86	U	EPA TO-15	30-Mar-11	KG	1105637	
75-71-8	Dichlorodifluoromethane (Freon12)	0.760	0.500	3.76	2.47		"	"	"	"	X
74-87-3	Chloromethane	0.550	0.500	1.14	1.03		"	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.390	0.500	< 2.73	3.49	U	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.278	0.500	< 0.71	1.28	U	"	"	"	"	X
106-99-0	1,3-Butadiene	< 0.149	0.500	< 0.33	1.10	U	"	"	"	"	X
74-83-9	Bromomethane	< 0.249	0.500	< 0.97	1.94	U	"	"	"	"	X
75-00-3	Chloroethane	< 0.219	0.500	< 0.58	1.32	U	"	"	"	"	X
67-64-1	Acetone	73.8	0.500	175.37	1.19		"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.670	0.500	3.77	2.81		"	"	"	"	X
64-17-5	Ethanol	18.8	0.500	35.45	0.94		"	"	"	"	
107-13-1	Acrylonitrile	< 0.0700	0.500	< 0.15	1.08	U	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.163	0.500	< 0.65	1.98	U	"	"	"	"	X
75-09-2	Methylene chloride	1.12	0.500	3.89	1.74		"	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.202	0.500	< 1.55	3.83	U	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.185	0.500	< 0.58	1.56	U	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.0660	0.500	< 0.26	1.98	U	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.150	0.500	< 0.61	2.02	U	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.0780	0.500	< 0.28	1.80	U	"	"	"	"	X
67-63-0	Isopropyl alcohol	7.35	0.500	18.04	1.23		"	"	"	"	X
78-93-3	2-Butanone (MEK)	2.19	0.500	6.46	1.47		"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	0.590	0.500	2.34	1.98		"	"	"	"	X
110-54-3	Hexane	0.710	0.500	2.50	1.76		"	"	"	"	X
141-78-6	Ethyl acetate	2.07	0.500	7.46	1.80		"	"	"	"	
67-66-3	Chloroform	< 0.175	0.500	< 0.85	2.43	U	"	"	"	"	X
109-99-9	Tetrahydrofuran	0.580	0.500	1.71	1.47		"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.162	0.500	< 0.66	2.02	U	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	4.45	0.500	24.28	2.73		"	"	"	"	X
71-43-2	Benzene	0.450	0.500	1.44	1.60	J	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.176	0.500	< 1.11	3.15	U	"	"	"	"	X
110-82-7	Cyclohexane	0.270	0.500	0.93	1.72	J	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.0730	0.500	< 0.34	2.31	U	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.127	0.500	< 0.85	3.35	U	"	"	"	"	X
79-01-6	Trichloroethene	4.73	0.500	25.42	2.69		"	"	"	"	X
123-91-1	1,4-Dioxane	< 0.0870	0.500	< 0.31	1.80	U	"	"	"	"	X
142-82-5	n-Heptane	0.610	0.500	2.50	2.05		"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.132	0.500	< 0.54	2.05	U	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.104	0.500	< 0.47	2.27	U	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.0670	0.500	< 0.30	2.27	U	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.125	0.500	< 0.68	2.73	U	"	"	"	"	X
108-88-3	Toluene	3.23	0.500	12.15	1.88		"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.106	0.500	< 0.43	2.05	U	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.130	0.500	< 1.11	4.26	U	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.0890	0.500	< 0.68	3.84	U	"	"	"	"	X

LW-5/10/11

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
573083 IA-6-24SA-032311 SB26106-07	250381	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11

CAS No.	Analyte(s)	Result/Units	*RDL	Result ug/m³	*RDL	Flag	Method Ref.	Analyzed	Analyst	Batch	Cert.
Air Quality Analyses											
EPA TO-15		ppbv	Prepared 30-Mar-11 Dilution: 1			GS	Can pressure: +1 Can ID: 0235				
127-18-4	Tetrachloroethene	0.300	0.500	2.03	3.39	J	EPA TO-15	30-Mar-11	KG	1105637	X
108-90-7	Chlorobenzene	< 0.132	0.500	< 0.61	2.30	U	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.164	0.500	< 1.13	3.44	U	"	"	"	"	
100-41-4	Ethylbenzene	1.13	0.500	4.90	2.17		"	"	"	"	X
179601-23-1	m,p-Xylene	4.32	0.500	18.73	2.17		"	"	"	"	X
75-25-2	Bromoform	< 0.153	0.500	< 1.58	5.17	U	"	"	"	"	X
100-42-5	Styrene	< 0.0500	0.500	< 0.21	2.13	U	"	"	"	"	X
95-47-6	o-Xylene	1.17	0.500	5.07	2.17		"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.170	0.500	< 1.17	3.43	U	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.0930	0.500	< 0.46	2.46	U	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	1.44	0.500	7.08	2.46		"	"	"	"	X
622-96-8	4-Ethyltoluene	0.460	0.500	2.26	2.46	J	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	3.25	0.500	15.98	2.46		"	"	"	"	X
91-20-3	Naphthalene	< 0.183	0.500	< 0.96	2.62	U	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.124	0.500	< 0.75	3.01	U	"	"	"	"	X
100-44-7	Benzyl chloride	< 0.164	0.500	< 0.85	2.58	U	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	0.620	0.500	3.73	3.01		"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.125	0.500	< 0.69	2.74	U	"	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.0880	0.500	< 0.47	2.68	U	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.150	0.500	< 0.90	3.01	U	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.0930	0.500	< 0.51	2.74	U	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.335	0.500	< 2.49	3.71	U	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.140	0.500	< 1.49	5.33	U	"	"	"	"	X
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*			"	"	"	"	

LW-5/10/11

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

ATTACHMENT B

CASE NARRATIVE AND CHAIN OF CUSTODY

SB26106 DM

Environmental LABORATORY SERVICES
www.els-lab.com

7280 Caswell Street, North Syracuse, NY 13212
Phone: (315) 458-8033 Fax: (315) 458-0526

CHAIN OF CUSTODY RECORD and Authorization for Analysis

ELS PROJECT #: 250381

Customer Information				Billing Information				Sampling Site Address
Company:	ENVIRONMENTAL LABORATORY SERVICES			Company:	SAME			
Address:	7280 CASWELL STREET			Address:				
City, St, Zip	NORTH SYRACUSE, NY 13212			City, St, Zip				
Contact Name:	HEATHER SCOTT			Contact Name:				
Bus. Ph No:	(315) 458-8033	Cell Ph No:		Phone No:		Fax No:		
Email No. 1	HEATHER.SCOTT@ELS-LAB.COM	Fax No. 1	(315) 458-0526	PO No:	57559	Job No:	47362	
Email No. 2		Fax No. 2		Credit Card		☐ Yes	☑ No	

Turn Around Time

Standard Turn Around Time is end of day, 10 Work Days after lab receipt. Samples received after 2PM are considered next days business.

- ☐ Same Day (200% Surcharge)
- ☐ 1 Work Day (150% Surcharge)
- ☐ 2 Work Days (100% Surcharge)
- ☐ 3 Work Days (75% Surcharge)
- ☐ 4 Work Days (50% Surcharge)
- ☐ 5 Work Days (25% Surcharge)
- ☑ Standard (None)

Matrix Codes

DW — Drinking Water
GW — Ground Water
WW — Waste Water
SW — Surface Water
SD — Soil/Sludge/Solid
OL — Oil
WP — Wipe
PC — Paint Chips
PR — Product
DG — Digestate

Special Detection Limits

Sample Temp: ____ °C

Sample State of Origin

☑ NY
☐ Other Specify ____

Container Type/Preservative

ELS Use Only	Date	Time	Can ID	Mtx	Sampling Location/Sample ID	Number of Containers	Plastic / No Preservatives	Plastic / HNO3	Plastic / H2SO4	Plastic / NaOH + Asc Acid	Plastic / Gl ss / Na2S2O3	Glass / No Preservatives	Glass / H2SO4	VoA / HCl	Other: Methanol	ELS Use Only	Analysis Requested
250106	3/23/11-3/24/11	12:10-12:10	0647	AR	573077 SSV-DUP2-24SA-032311	1									X		TO15
02	3/23/11-3/24/11	10:48-10:45	0663	AR	573078 SSV-6-24SA-032311	1									X		TO15
03	3/23/11-3/24/11	12:09-12:09	471	AR	573079 SSV-5-24SA-032311	1									X		TO15
04	3/23/11-3/24/11	12:50-12:50	7639	AR	573080 AA-2-24SA-032311	1									X		TO15
05	3/23/11-3/24/11	11:05-11:05	0697	AR	573081 IA-DUP2-24SA-032311	1									X		TO15
06	3/23/11-3/24/11	12:25-12:25	0490	AR	573082 IA-5-24SA-032311	1									X		TO15
07	3/23/11-3/24/11	11:05-11:05	0235	AR	573083 IA-6-24SA-A-032311	1									X		TO15

Remarks/Special Instructions

REPORTING LIMIT: 0.25 UG/M3 FOR TCE AND 1 UG/M3 FOR ALL OTHER COMPOUNDS

NEED EDD: EQULS 4 FILE FORMAT

SEE ATTACHED COFC FOR ANY ADD'L INFO.

Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By: UPS	Date	Time	Received By Lab: Denrand Flynn	Date 3/25	Time 11:15

Your signature authorizes ELS to analyze the sample(s) as indicated.

Sampler Signature: | Date | Time

See Attached Chain-of-Custody Example/Instructions

17.8° Ambient

Approved By: Date: J. Clay, Environmental Laboratory Services — CS16.111202 Rev 00

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

Chain of Custody Record/Field Test Data Sheets for Air Analyses

SB26106@

Page 1 of 1

Special Handling:
☑ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.

Report To: Jeremy Wolf	Invoice To: Same as Report		
O'Brien & Gere		Project No.: 47362	
400 Andrews Street Suite 710		Site Name: 24 Seneca Avenue ERP	
Rochester, NY 14604		Location: Rochester	State: NY
Tel #: 585-263-2920	Attn: Jeremy Wolf	Sampler(s): Anthony DiNardo	
Project Manager: Jeremy Wolf	P.O. No.:	RQN: Logan Reid	

Analysis: TO-15

Matrix: Indoor/Ambient Air; Soil Gas / Sub-Slab; Outdoor/Ambient Air

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Flow Controller Readout (ml/min)	Lab Id:	Sample Id:	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Indoor/Ambient Air	Soil Gas / Sub-Slab	Outdoor/Ambient Air	Check box if canister is returned/unused	
(LABORATORY USE ONLY)																			
0647	6	-30		3.17	3.47	SB26106-01	SSV-DUP2-245A-032311	3/23/11-3/24/11	12:10	12:10	-31	-9.5	65°	65°		✓			573077
0663		-30		2.84	3.42	02	SSV-6-245A-032311	3/23/11-3/24/11	10:48	10:45	-29	-4.5	55°	55°		✓			573078
0671		-30		2.98	3.42	03	SSV-5-245A-032311	3/23/11-3/24/11	12:09	12:09	-29.5	-2	65°	65°		✓			573079
7639		-30		2.88	3.45	04	AA-2-245A-032311	3/23/11-3/24/11	12:50	12:50	-35	-11.5	30°	29°			✓		573080
0699		-30		2.98	3.42	05	IA-DUP2-245A-032311	3/23/11-3/24/11	11:05	11:05	-30.5	-5	55°	55°	✓				573081
0496		-30		2.96	3.49	06	IA-5-245A-032311	3/23/11-3/24/11	12:25	12:25	-33	-6	65°	65°	✓				573082
0635	↓	-30		2.93	3.45	N/A	IA-6-245A-032311	3/23/11-3/24/11	11:05	11:05	-29	-1	55°	55°	✓				573083

Date of Request: 3/17/11 — Total # Canisters: 7
Requested by: Jeremy Wolf — # L Canisters: 4
Company: O'Brien & Gere Eng — # Flow Controllers: 7
Location: Rochester NY — Flow Rate/Setting: 24hrs
Date Needed: 3/24/11 — Order #: 17434

QA/QC Reporting Level:
☐ Standard ☐ NY ASP A* ☐ TIER II* ☐ MA DEP CAM
☐ NO QC ☑ NY ASP B* ☐ TIER IV* ☐ CT DPH-RCP
☐ DQA* * additional charges may apply contact SA's QA Department for further info.

Client Use	Ambient Temperature (Fahrenheit)	Ambient Pressure (Inches of Hg)
Start		
Stop		

Special Instructions/QC Requirements & Comments:
Reporting limit of 0.25 ug/m³ for TCE and 1 ug/m³ for all other compounds

I attest that all media relinquished from Spectrum Analytical, Inc. have been received in good working condition, based on visual observation, and agree to the terms and conditions as listed on the back of this document.
Signed: Logan Reid Date: 3/24/11
Printed: Logan Reid

Please contact SA's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.

Relinquished by:	Received by:	Date:	Time:
Logan Reid		3/24/11	1:15 pm
		3/24/11	3:45 pm
	Fedex	3/24/11	1600

EDD Format: EQuIS 4 File Format
E-mail Results to: jeremy.wolf@obg.com
17.8°C

FedEx 1682 Dewberry Drive • Agawam, MA 01001 • 800-789-9115 • 413-789-0076 • FAX 413-789-4076 • www.spectrum-analytical.com

Revised 06/10

Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0526, (800) 842-4667

Analysis Testing
- *Organics*
- *Inorganics*
- *Metals*
- *Wetchemistry*
- *Microbiology*
- *Asbestos*

Field Sampling
Courier Services

Laboratory Analysis Report

O'BRIEN & GERE ENGINEERS - ROCHESTER
400 Andrews Street
Suite 710
Rochester, NY 14604
ATTN: Mr. Jeremy Wolf

PO#: 17934

PROJECT #: 250381
RECEIVED: 03/24/2011 @ 15:45

Site Address:
24 SENECA AVE. ERP
ROCHESTER, NY

CLIENT JOB NUMBER: 47362

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 573077 **CLIENT SAMPLE ID:** SSV-DUP2-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 12:10	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573078 **CLIENT SAMPLE ID:** SSV-6-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 10:45	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573079 **CLIENT SAMPLE ID:** SSV-5-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 12:09	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573080 **CLIENT SAMPLE ID:** AA-2-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 12:50	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573081 **CLIENT SAMPLE ID:** IA-DUP2-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 11:05	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573082 **CLIENT SAMPLE ID:** IA-5-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 12:25	
Volatile - TO-15					ELAP#11393
See Attached Report					
SAMPLE #: 573083 **CLIENT SAMPLE ID:** IA-6-24SA-032311				**DATE/TIME SAMPLED:** 03/24/11 @ 11:05	
Volatile - TO-15					ELAP#11393
See Attached Report					

O'BRIEN & GERE ENGINEERS - ROCHESTER
400 Andrews Street
Suite 710
Rochester, NY 14604
ATTN: Mr. Jeremy Wolf

PO#: 17934

CLIENT JOB NUMBER: 47362

PROJECT #: 250381
RECEIVED: 03/24/2011 @ 15:45

Site Address:
24 SENECA AVE. ERP
ROCHESTER, NY

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY

Sample Receipt Temperature: *Degrees C*

David R. Hill
Laboratory Director

04/07/2011
Print Date

All NELAC Quality Control requirements pertaining to the analyses were met, unless otherwise specified.
All analyses performed by NYS ELAP Laboratory Certification #11375, unless otherwise stated.
Report relates only to the samples as received by the laboratory and shall not be reproduced except in full, without written approval from Environmental Laboratory Services.

The information contained in this report is confidential and intended for the addressee only. If the reader is not the intended recipient or agent responsible for delivering the report to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this report is strictly prohibited. If you have received this report in error, please notify sender by reply email or telephone, delete or destroy the report and/or any attachments.

Report Date:
05-Apr-11 14:39

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Laboratory Services
7280 Caswell Street
North Syracuse, NY 13212
Attn: Heather Scott

Project: See Chain of Custody
Project #: 250381

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SB26106-01	573077 SSV-Dup2-24SA-032311	Summa canister 6 liter	Soil Gas/Sub Slab	24-Mar-11 12:10	25-Mar-11 11:15
SB26106-02	573078 SSV-6-24SA-032311	Summa canister 6 liter	Soil Gas/Sub Slab	24-Mar-11 10:45	25-Mar-11 11:15
SB26106-03	573079 SSV-5-24SA-032311	Summa canister 6 liter	Soil Gas/Sub Slab	24-Mar-11 12:09	25-Mar-11 11:15
SB26106-04	573080 AA-2-24SA-032311	Summa canister 6 liter	Outdoor/Ambient Air	24-Mar-11 12:50	25-Mar-11 11:15
SB26106-05	573081 IA-Dup2-24SA-032311	Summa canister 6 liter	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11 11:15
SB26106-06	573082 IA-5-24SA-032311	Summa canister 6 liter	Indoor/Ambient Air	24-Mar-11 12:25	25-Mar-11 11:15
SB26106-07	573083 IA-6-24SA-032311	Summa canister 6 liter	Indoor/Ambient Air	24-Mar-11 11:05	25-Mar-11 11:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 33 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

Samples are received and the pressure is recorded from the gauge on the canister. If a canister does not have a gauge, a vacuum gauge is attached to the valve and pressure is recorded. If the canister is below -10 psig, the can must be pressurized to 0 psig. Tedlar bags do not have the pressure recorded. The can pressure can be located within this report in the sample header information.

If a Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA TO-15

Calibration:

Calibration 1103024

The %RSD for analyte Methylene chloride is 31.0%. The calculated %RSD for the RRF for each compound in the calibration must be less than 30% with at most two exceptions up to a limit of 40%. This affected the following samples:

573077 SSV-Dup2-24SA-032311
573078 SSV-6-24SA-032311
573079 SSV-5-24SA-032311
573081 IA-Dup2-24SA-032311
573082 IA-5-24SA-032311
573083 IA-6-24SA-032311

S101717-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

1,2,4-Trichlorobenzene (132%)
Naphthalene (142%)
Styrene (133%)

This affected the following samples:

1105919-BLK1
1105919-BS1
573080 AA-2-24SA-032311
S102616-CCV1

S102106-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

Chloromethane (64%)

This affected the following samples:

1105637-BLK1
1105637-BS1
573077 SSV-Dup2-24SA-032311
573078 SSV-6-24SA-032311
573079 SSV-5-24SA-032311
573081 IA-Dup2-24SA-032311
573082 IA-5-24SA-032311
573083 IA-6-24SA-032311
S102428-CCV1

Laboratory Control Samples:

1105919 BS

EPA TO-15

Laboratory Control Samples:

1105919 BS

1,3-Butadiene percent recovery 68 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

573080 AA-2-24SA-032311

Acetone percent recovery 69 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

573080 AA-2-24SA-032311

Chloromethane percent recovery 56 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

573080 AA-2-24SA-032311

Ethanol percent recovery 68 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

573080 AA-2-24SA-032311

Trichlorofluoromethane (Freon 11) percent recovery 62 (70-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

573080 AA-2-24SA-032311

1105919-BS1

Analyte passes in CCV.

Acetone
Chloromethane
Ethanol
Trichlorofluoromethane (Freon 11)

Samples:

S102428-CCV1

Analyte percent drift is outside individual acceptance criteria (30), but within overall method allowances.

Ethanol (44.8%)

This affected the following samples:

1105637-BLK1
1105637-BS1
573077 SSV-Dup2-24SA-032311
573078 SSV-6-24SA-032311
573079 SSV-5-24SA-032311
573081 IA-Dup2-24SA-032311
573082 IA-5-24SA-032311
573083 IA-6-24SA-032311

S102616-CCV1

Analyte percent difference is outside individual acceptance criteria (30), but within overall method allowances.

1,2,4-Trichlorobenzene (41.0%)
Naphthalene (36.6%)

EPA TO-15

Samples:

S102616-CCV1

This affected the following samples:

1105919-BLK1
1105919-BS1
573080 AA-2-24SA-032311

SB26106-04 *573080 AA-2-24SA-032311*

Data for this analyte may be biased low based on QC spike recoveries.

Acetone
Chloromethane
Ethanol
Trichlorofluoromethane (Freon 11)

SB26106-05 *573081 IA-Dup2-24SA-032311*

This sample was not able to be analyzed for client requested reporting limits due to high concentrations of target analytes in the sample.

SB26106-06 *573082 IA-5-24SA-032311*

This sample was not able to be analyzed for client requested reporting limits due to high concentrations of target analytes in the sample.

SB26106-07 *573083 IA-6-24SA-032311*

This sample was not able to be analyzed for client requested reporting limits due to high concentrations of target analytes in the sample.

DATA USABILITY SUMMARY REPORT

For

SENECA AVENUE RI-AA

SDG No. S49541

ORGANIC ANALYSES

Sampling Date: July 28 and August 1, 2011

Submitted to:

O'Brien & Gere Engineers, Inc.
Suite 400, Harro East Building
400 Andrews Street.
Rochester, NY 14604
(585) 263 2820

For

New York State Department of Environmental Conservation (NYSDEC)
Albany, New York

Prepared by:

Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Avenue
Pittsburgh PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
Organic Analyses
USEPA REGION II

Site: 24 Seneca Avenue

SDG #: S49541

Client: O'Brien & Gere Engineers Inc.

Date: November 1, 2011

Laboratory: Test America

Reviewer: L. Wright

Client ID	Laboratory ID	Matrix	VOA	SVOA
SB-46-080111	S49541.01	Soil		X
SB-45-080111	S49541.02	Soil		X
SB-47-080111	S49541.03	Soil		X
SB-44-080111	S49541.04	Soil		X
SB-44-080111	S49541.05MS	Soil		X
SB-44-080111	S49541.06MSD	Soil		X
EB-SB-43-080111	S49541.07	Water		X
SB-43-080111	S49541.08	Soil		X
Dup-080111	S49541.09	Soil		X
SB-37-080111	S49541.10	Soil		X
DW-2-072811	S49541.11	Soil	X	X
DW-3-072811	S49541.12	Soil	X	X
DW-4-072811	S49541.13	Soil	X	X
DW-2-072811	S49541.14MS	Soil	X	X
DW-2-072811	S49541.15MSD	Soil	X	X
Dup-072811	S49541.16	Soil	X	X
EB-DW-2-072811	S49541.17	Water	X	X
Trip	S49541.18	Water	X	-

The data package contained fifteen (15) soils and three (3) aqueous samples. The samples were analyzed via SW-846 Methods 8260Band 8270C. The adherence of laboratory analytical performance to these methods' Analytical Specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (NYSDEC, 10/02). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC) and Traffic Report: All was present.

Holding Time: This was acceptable.

Calibration Quality Control: The following were qualified

VOA

Lab ID	Analyte	Qualifier
All samples Except S49541-7, S49541-17, S49541-18	Acetone, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromoform, and 1,2-Dibromo-3-chloropropane	UJ
S49541-13, S49541-16	2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromoform, and 1,2-Dibromo-3-chloropropane	UJ
S49541-13, S49541-16	Acetone	J

SVOA

Lab ID	Analyte	Qualifier
All samples Except S49541-7, S49541-17, S49541-18	2,4-Dinitro phenol 4,6-Dinitro-2-methylphenol	UJ

Calibration Blanks: All blanks were acceptable.

Method Blanks: Results were acceptable.

Equipment Blanks: The following were qualified due to contamination;

Lab ID	Analyte	Qualifier
S49541-11	Toluene	U
S49541-13	Methylene chloride	U

Matrix Spike: Results were acceptable

Surrogates: Recoveries were acceptable.

Laboratory Control Sample (LCS): Recoveries were acceptable.

Internal Standard: The following analyte was qualified due to internal standard deficiency.

Lab ID	Analyte	Qualifier
S49541-11	Indeno(1,2,3-cd)pyrene, ,benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, dibenzo(ah)anthracene	J
S49541-11	di-n-Octyl phthalate	UJ

Duplicate: Results were acceptable.

Field Quality Control: Some samples were qualified due to field contamination.

Compound Quantitation: Some compounds were reported at elevated reporting limits due to dilution.

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues.

ATTACHMENT A

VALIDATED AND QUALIFIED DATA SHEETS (FORM 1s)

Analytical Laboratory Report

Lab Sample ID: S49541.01
Sample Tag: SB-46-080111 (2-4')
Collected Date/Time: 08/01/2011 11:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/02/11 21:01	DLR		
Inorganics								
Total Solids	82	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 18:19	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	53-70-3	

LW-11/1/11

Lab Sample ID: S49541.01 (continued)
Sample Tag: SB-46-080111 (2-4')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 18:19	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 18:19	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:19	PL	88-06-2	

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.02
Sample Tag: SB-45-080111 (8-10.5')
Collected Date/Time: 08/01/2011 12:20
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 18:53	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	53-70-3	

LW-11/1/11

Lab Sample ID: S49541.02 (continued)
Sample Tag: SB-45-080111 (8-10.5')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 18:53	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 18:53	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 18:53	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49541.03
Sample Tag: SB-47-080111 (4-6')
Collected Date/Time: 08/01/2011 13:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	100-52-7	
Benzo(a)anthracene	670	ug/kg	330	8270C	08/09/11 20:02	PL	56-55-3	
Benzo(a)pyrene	640	ug/kg	330	8270C	08/09/11 20:02	PL	50-32-8	
Benzo(b)fluoranthene	580	ug/kg	330	8270C	08/09/11 20:02	PL	205-99-2	
Benzo(ghi)perylene	400	ug/kg	330	8270C	08/09/11 20:02	PL	191-24-2	
Benzo(k)fluoranthene	550	ug/kg	330	8270C	08/09/11 20:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	108-60-1	
Chrysene	950	ug/kg	330	8270C	08/09/11 20:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	84-66-2	

LW-11/1/11

Lab Sample ID: S49541.03 (continued)
Sample Tag: SB-47-080111 (4-6')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	550	ug/kg	330	8270C	08/09/11 20:02	PL	117-81-7	B
Fluoranthene	1,250	ug/kg	330	8270C	08/09/11 20:02	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	330	ug/kg	330	8270C	08/09/11 20:02	PL	193-39-5	J
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 20:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 20:02	PL	87-86-5	
Phenanthrene	640	ug/kg	330	8270C	08/09/11 20:02	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	108-95-2	
Pyrene	1,410	ug/kg	330	8270C	08/09/11 20:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 20:02	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 20:02	PL		
Pyrene	Completed			8270C	08/09/11 20:02	PL	129-00-0	
Fluoranthene	Completed			8270C	08/09/11 20:02	PL	206-44-0	
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 20:02	PL	117-81-7	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 20:02	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 20:02	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 20:02	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 20:02	PL		
Chrysene	Completed			8270C	08/09/11 20:02	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 20:02	PL	56-55-3	
Phenanthrene	Completed			8270C	08/09/11 20:02	PL	85-01-8	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.04
Sample Tag: SB-44-080111 (6-8')
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/10/11 19:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	53-70-3	

LW-11/1/11

Lab Sample ID: S49541.04 (continued)
Sample Tag: SB-44-080111 (6-8')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 19:45	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 19:45	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 19:45	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49541.05
Sample Tag: SB-44-080111 (6-8') MS
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	85	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,278.6	ug/kg	330	8270C	08/10/11 20:19	PL	83-32-9	1
Acenaphthylene	1,370	ug/kg	330	8270C	08/10/11 20:19	PL	208-96-8	1
Acetophenone	1,196.2	ug/kg	330	8270C	08/10/11 20:19	PL	98-86-2	1
Anthracene	1,360	ug/kg	330	8270C	08/10/11 20:19	PL	120-12-7	1
Atrazine	1,579.0	ug/kg	330	8270C	08/10/11 20:19	PL	1912-24-9	1
1,1'-Biphenyl	1,229.2	ug/kg	330	8270C	08/10/11 20:19	PL	92-52-4	1
4-Bromophenyl phenyl ether	1,368	ug/kg	330	8270C	08/10/11 20:19	PL	101-55-3	1
di-n-Butyl phthalate	1,477	ug/kg	330	8270C	08/10/11 20:19	PL	84-74-2	1B
Benzaldehyde	1,022	ug/kg	330	8270C	08/10/11 20:19	PL	100-52-7	1
Benzo(a)anthracene	1,407	ug/kg	330	8270C	08/10/11 20:19	PL	56-55-3	1
Benzo(a)pyrene	1,339	ug/kg	330	8270C	08/10/11 20:19	PL	50-32-8	1
Benzo(b)fluoranthene	1,367	ug/kg	330	8270C	08/10/11 20:19	PL	205-99-2	1
Benzo(ghi)perylene	1,087	ug/kg	330	8270C	08/10/11 20:19	PL	191-24-2	1
Benzo(k)fluoranthene	1,313	ug/kg	330	8270C	08/10/11 20:19	PL	207-08-9	1
Butyl benzyl phthalate	1,490	ug/kg	330	8270C	08/10/11 20:19	PL	85-68-7	1
2-Chloronaphthalene	1,233.9	ug/kg	330	8270C	08/10/11 20:19	PL	91-58-7	1
2-Chlorophenol	1,173.9	ug/kg	330	8270C	08/10/11 20:19	PL	95-57-8	1
4-Chloro-3-methylphenol	1,390.7	ug/kg	330	8270C	08/10/11 20:19	PL	59-50-7	1
4-Chloroaniline	1,206	ug/kg	670	8270C	08/10/11 20:19	PL	106-47-8	1
4-Chlorophenyl phenyl ether	1,359	ug/kg	330	8270C	08/10/11 20:19	PL	7005-72-3	1
Caprolactam	1,373.1	ug/kg	330	8270C	08/10/11 20:19	PL	105-60-2	1
Carbazole	1,376	ug/kg	330	8270C	08/10/11 20:19	PL	86-74-8	1
bis(2-Chloroethoxy)methane	1,193	ug/kg	330	8270C	08/10/11 20:19	PL	111-91-1	1
bis(2-Chloroethyl)ether	1,149	ug/kg	330	8270C	08/10/11 20:19	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	1,123	ug/kg	330	8270C	08/10/11 20:19	PL	108-60-1	1
Chrysene	1,755	ug/kg	330	8270C	08/10/11 20:19	PL	218-01-9	1
2,4-Dichlorophenol	1,248.0	ug/kg	330	8270C	08/10/11 20:19	PL	120-83-2	1
2,4-Dimethylphenol	1,212	ug/kg	330	8270C	08/10/11 20:19	PL	105-67-9	1
2,4-Dinitrophenol	380.4	ug/kg	670	8270C	08/10/11 20:19	PL	51-28-5	J1
2,4-Dinitrotoluene	1,453.9	ug/kg	330	8270C	08/10/11 20:19	PL	121-14-2	1
2,6-Dinitrotoluene	1,396.6	ug/kg	330	8270C	08/10/11 20:19	PL	606-20-2	1
3,3'-Dichlorobenzidine	1,235	ug/kg	670	8270C	08/10/11 20:19	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	1,186	ug/kg	670	8270C	08/10/11 20:19	PL	534-52-1	1

1-Dry Weight Spike: 1.96 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.05 (continued)
Sample Tag: SB-44-080111 (6-8') MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	1,255	ug/kg	330	8270C	08/10/11 20:19	PL	53-70-3	1
Dibenzofuran	1,347.6	ug/kg	330	8270C	08/10/11 20:19	PL	132-64-9	1
Diethyl phthalate	1,483	ug/kg	330	8270C	08/10/11 20:19	PL	84-66-2	1B
Dimethyl phthalate	1,407	ug/kg	330	8270C	08/10/11 20:19	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,684	ug/kg	330	8270C	08/10/11 20:19	PL	117-81-7	1B
Fluoranthene	1,392	ug/kg	330	8270C	08/10/11 20:19	PL	206-44-0	1
Fluorene	1,373	ug/kg	330	8270C	08/10/11 20:19	PL	86-73-7	1
Hexachlorobenzene	1,409	ug/kg	330	8270C	08/10/11 20:19	PL	118-74-1	1
Hexachlorobutadiene	1,100	ug/kg	330	8270C	08/10/11 20:19	PL	87-68-3	1
Hexachlorocyclopentadiene	968	ug/kg	330	8270C	08/10/11 20:19	PL	77-47-4	1
Hexachloroethane	1,072.3	ug/kg	330	8270C	08/10/11 20:19	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,184	ug/kg	330	8270C	08/10/11 20:19	PL	193-39-5	1
Isophorone	1,267	ug/kg	330	8270C	08/10/11 20:19	PL	78-59-1	1
2-Methylnaphthalene	1,233	ug/kg	330	8270C	08/10/11 20:19	PL	91-57-6	1
2-Methylphenol	1,230	ug/kg	330	8270C	08/10/11 20:19	PL	95-48-7	1
3-, 4-Methylphenol	1,270	ug/kg	330	8270C	08/10/11 20:19	PL	3/4-Cresol	1
2-Nitroaniline	1,355.1	ug/kg	670	8270C	08/10/11 20:19	PL	88-74-4	1
2-Nitrophenol	1,236	ug/kg	330	8270C	08/10/11 20:19	PL	88-75-5	1
3-Nitroaniline	1,328.0	ug/kg	670	8270C	08/10/11 20:19	PL	99-09-2	1
4-Nitroaniline	1,400	ug/kg	670	8270C	08/10/11 20:19	PL	100-01-6	1
4-Nitrophenol	1,364	ug/kg	670	8270C	08/10/11 20:19	PL	100-02-7	1
N-Nitrosodi-n-propylamine	1,264	ug/kg	330	8270C	08/10/11 20:19	PL	621-64-7	1
N-Nitrosodiphenylamine	612.6	ug/kg	330	8270C	08/10/11 20:19	PL	86-30-6	1
Naphthalene	1,171	ug/kg	330	8270C	08/10/11 20:19	PL	91-20-3	1
Nitrobenzene	1,177.8	ug/kg	200	8270C	08/10/11 20:19	PL	98-95-3	1
di-n-Octyl phthalate	1,558	ug/kg	330	8270C	08/10/11 20:19	PL	117-84-0	1
Pentachlorophenol	1,175.0	ug/kg	670	8270C	08/10/11 20:19	PL	87-86-5	1
Phenanthrene	1,421	ug/kg	330	8270C	08/10/11 20:19	PL	85-01-8	1
Phenol	1,211.5	ug/kg	330	8270C	08/10/11 20:19	PL	108-95-2	1
Pyrene	1,441	ug/kg	330	8270C	08/10/11 20:19	PL	129-00-0	1
2,4,5-Trichlorophenol	1,369	ug/kg	330	8270C	08/10/11 20:19	PL	95-95-4	1
2,4,6-Trichlorophenol	1,298	ug/kg	330	8270C	08/10/11 20:19	PL	88-06-2	1

1-Dry Weight Spike: 1.96 mg/kg
B-Compound also found in associated method blank

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.06
Sample Tag: SB-44-080111 (6-8') MSD
Collected Date/Time: 08/01/2011 14:15
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	1,445.6	ug/kg	330	8270C	08/10/11 20:52	PL	83-32-9	1
Acenaphthylene	1,525	ug/kg	330	8270C	08/10/11 20:52	PL	208-96-8	1
Acetophenone	1,330.4	ug/kg	330	8270C	08/10/11 20:52	PL	98-86-2	1
Anthracene	1,576	ug/kg	330	8270C	08/10/11 20:52	PL	120-12-7	1
Atrazine	1,638.6	ug/kg	330	8270C	08/10/11 20:52	PL	1912-24-9	1
1,1'-Biphenyl	1,370.4	ug/kg	330	8270C	08/10/11 20:52	PL	92-52-4	1
4-Bromophenyl phenyl ether	1,441	ug/kg	330	8270C	08/10/11 20:52	PL	101-55-3	1
di-n-Butyl phthalate	1,575	ug/kg	330	8270C	08/10/11 20:52	PL	84-74-2	1B
Benzaldehyde	1,147	ug/kg	330	8270C	08/10/11 20:52	PL	100-52-7	1
Benzo(a)anthracene	1,729	ug/kg	330	8270C	08/10/11 20:52	PL	56-55-3	1
Benzo(a)pyrene	1,620	ug/kg	330	8270C	08/10/11 20:52	PL	50-32-8	1
Benzo(b)fluoranthene	1,600	ug/kg	330	8270C	08/10/11 20:52	PL	205-99-2	1
Benzo(ghi)perylene	1,188	ug/kg	330	8270C	08/10/11 20:52	PL	191-24-2	1
Benzo(k)fluoranthene	1,609	ug/kg	330	8270C	08/10/11 20:52	PL	207-08-9	1
Butyl benzyl phthalate	1,606	ug/kg	330	8270C	08/10/11 20:52	PL	85-68-7	1
2-Chloronaphthalene	1,375.4	ug/kg	330	8270C	08/10/11 20:52	PL	91-58-7	1
2-Chlorophenol	1,309.9	ug/kg	330	8270C	08/10/11 20:52	PL	95-57-8	1
4-Chloro-3-methylphenol	1,510.3	ug/kg	330	8270C	08/10/11 20:52	PL	59-50-7	1
4-Chloroaniline	1,293	ug/kg	670	8270C	08/10/11 20:52	PL	106-47-8	1
4-Chlorophenyl phenyl ether	1,489	ug/kg	330	8270C	08/10/11 20:52	PL	7005-72-3	1
Caprolactam	1,430.9	ug/kg	330	8270C	08/10/11 20:52	PL	105-60-2	1
Carbazole	1,513	ug/kg	330	8270C	08/10/11 20:52	PL	86-74-8	1
bis(2-Chloroethoxy)methane	1,323	ug/kg	330	8270C	08/10/11 20:52	PL	111-91-1	1
bis(2-Chloroethyl)ether	1,269	ug/kg	330	8270C	08/10/11 20:52	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	1,268	ug/kg	330	8270C	08/10/11 20:52	PL	108-60-1	1
Chrysene	2,150	ug/kg	330	8270C	08/10/11 20:52	PL	218-01-9	1
2,4-Dichlorophenol	1,392.1	ug/kg	330	8270C	08/10/11 20:52	PL	120-83-2	1
2,4-Dimethylphenol	1,381	ug/kg	330	8270C	08/10/11 20:52	PL	105-67-9	1
2,4-Dinitrophenol	480.3	ug/kg	670	8270C	08/10/11 20:52	PL	51-28-5	J1
2,4-Dinitrotoluene	1,547.9	ug/kg	330	8270C	08/10/11 20:52	PL	121-14-2	1
2,6-Dinitrotoluene	1,489.4	ug/kg	330	8270C	08/10/11 20:52	PL	606-20-2	1
3,3'-Dichlorobenzidine	1,315	ug/kg	670	8270C	08/10/11 20:52	PL	91-94-1	1
4,6-Dinitro-2-methylphenol	1,224	ug/kg	670	8270C	08/10/11 20:52	PL	534-52-1	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.06 (continued)
Sample Tag: SB-44-080111 (6-8') MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	1,297	ug/kg	330	8270C	08/10/11 20:52	PL	53-70-3	1
Dibenzofuran	1,501.8	ug/kg	330	8270C	08/10/11 20:52	PL	132-64-9	1
Diethyl phthalate	1,570	ug/kg	330	8270C	08/10/11 20:52	PL	84-66-2	1B
Dimethyl phthalate	1,496	ug/kg	330	8270C	08/10/11 20:52	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,833	ug/kg	330	8270C	08/10/11 20:52	PL	117-81-7	1B
Fluoranthene	2,083	ug/kg	330	8270C	08/10/11 20:52	PL	206-44-0	1
Fluorene	1,538.6	ug/kg	330	8270C	08/10/11 20:52	PL	86-73-7	1
Hexachlorobenzene	1,503	ug/kg	330	8270C	08/10/11 20:52	PL	118-74-1	1
Hexachlorobutadiene	1,254	ug/kg	330	8270C	08/10/11 20:52	PL	87-68-3	1
Hexachlorocyclopentadiene	1,092	ug/kg	330	8270C	08/10/11 20:52	PL	77-47-4	1
Hexachloroethane	1,212.2	ug/kg	330	8270C	08/10/11 20:52	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,273	ug/kg	330	8270C	08/10/11 20:52	PL	193-39-5	1
Isophorone	1,393	ug/kg	330	8270C	08/10/11 20:52	PL	78-59-1	1
2-Methylnaphthalene	1,410	ug/kg	330	8270C	08/10/11 20:52	PL	91-57-6	1
2-Methylphenol	1,360	ug/kg	330	8270C	08/10/11 20:52	PL	95-48-7	1
3-, 4-Methylphenol	1,390	ug/kg	330	8270C	08/10/11 20:52	PL	3/4-Cresol	1
2-Nitroaniline	1,478.9	ug/kg	670	8270C	08/10/11 20:52	PL	88-74-4	1
2-Nitrophenol	1,360	ug/kg	330	8270C	08/10/11 20:52	PL	88-75-5	1
3-Nitroaniline	1,359.1	ug/kg	670	8270C	08/10/11 20:52	PL	99-09-2	1
4-Nitroaniline	1,456	ug/kg	670	8270C	08/10/11 20:52	PL	100-01-6	1
4-Nitrophenol	1,430	ug/kg	670	8270C	08/10/11 20:52	PL	100-02-7	1
N-Nitrosodi-n-propylamine	1,379	ug/kg	330	8270C	08/10/11 20:52	PL	621-64-7	1
N-Nitrosodiphenylamine	651.3	ug/kg	330	8270C	08/10/11 20:52	PL	86-30-6	1
Naphthalene	1,316	ug/kg	330	8270C	08/10/11 20:52	PL	91-20-3	1
Nitrobenzene	1,297.5	ug/kg	200	8270C	08/10/11 20:52	PL	98-95-3	1
di-n-Octyl phthalate	1,658	ug/kg	330	8270C	08/10/11 20:52	PL	117-84-0	1
Pentachlorophenol	1,289.4	ug/kg	670	8270C	08/10/11 20:52	PL	87-86-5	1
Phenanthrene	2,034	ug/kg	330	8270C	08/10/11 20:52	PL	85-01-8	1
Phenol	1,337.0	ug/kg	330	8270C	08/10/11 20:52	PL	108-95-2	1
Pyrene	2,086	ug/kg	330	8270C	08/10/11 20:52	PL	129-00-0	1
2,4,5-Trichlorophenol	1,473	ug/kg	330	8270C	08/10/11 20:52	PL	95-95-4	1
2,4,6-Trichlorophenol	1,401	ug/kg	330	8270C	08/10/11 20:52	PL	88-06-2	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.07
Sample Tag: EB-SB-43-080111
Collected Date/Time: 08/01/2011 14:00
Matrix: Water
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 14:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	101-55-3	
di-n-Butyl phthalate	1.3	ug/L	5	8270C	08/09/11 15:28	PL	84-74-2	BJ
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 15:28	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	7005-72-3	
Caprolactam	0.40	ug/L	10	8270C	08/09/11 15:28	PL	105-60-2	J
Carbazole	Not detected	ug/L	10	8270C	08/09/11 15:28	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 15:28	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 15:28	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	84-66-2	

LW-11/1/11

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.07 (continued)
Sample Tag: EB-SB-43-080111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 15:28	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 15:28	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 15:28	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49541.08
Sample Tag: SB-43-080111 (0-2')
Collected Date/Time: 08/01/2011 15:00
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	632	ug/kg	330	8270C	08/09/11 22:19	PL	83-32-9	
Acenaphthylene	290	ug/kg	330	8270C	08/09/11 22:19	PL	208-96-8	J
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	98-86-2	
Anthracene	1,646	ug/kg	330	8270C	08/09/11 22:19	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	100-52-7	
Benzo(a)anthracene	3,130	ug/kg	330	8270C	08/09/11 22:19	PL	56-55-3	
Benzo(a)pyrene	2,710	ug/kg	330	8270C	08/09/11 22:19	PL	50-32-8	
Benzo(b)fluoranthene	2,670	ug/kg	330	8270C	08/09/11 22:19	PL	205-99-2	
Benzo(ghi)perylene	560	ug/kg	330	8270C	08/09/11 22:19	PL	191-24-2	
Benzo(k)fluoranthene	2,620	ug/kg	330	8270C	08/09/11 22:19	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	105-60-2	
Carbazole	570	ug/kg	330	8270C	08/09/11 22:19	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	108-60-1	
Chrysene	3,810	ug/kg	330	8270C	08/09/11 22:19	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	53-70-3	
Dibenzofuran	540	ug/kg	330	8270C	08/09/11 22:19	PL	132-64-9	

LW-11/1/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.08 (continued)
Sample Tag: SB-43-080111 (0-2')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	117-81-7	
Fluoranthene	7,180	ug/kg	330	8270C	08/09/11 22:19	PL	206-44-0	
Fluorene	811	ug/kg	330	8270C	08/09/11 22:19	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	620	ug/kg	330	8270C	08/09/11 22:19	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	78-59-1	
2-Methylnaphthalene	270	ug/kg	330	8270C	08/09/11 22:19	PL	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	86-30-6	
Naphthalene	375	ug/kg	330	8270C	08/09/11 22:19	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 22:19	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 22:19	PL	87-86-5	
Phenanthrene	7,060	ug/kg	330	8270C	08/09/11 22:19	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	108-95-2	
Pyrene	6,960	ug/kg	330	8270C	08/09/11 22:19	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:19	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Phenanthrene	Completed			8270C	08/09/11 14:45	PL	85-01-8	
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
4H-cyclopenta(def)phenanthrene	Completed			8270C	08/09/11 14:45	PL		
9-methylanthracene	Completed			8270C	08/09/11 14:45	PL		
1-methylanthracene	Completed			8270C	08/09/11 14:45	PL		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.09
Sample Tag: Dup-080111
Collected Date/Time: 08/01/2011 08:00
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	91	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	454	ug/kg	330	8270C	08/09/11 21:44	PL	83-32-9	
Acenaphthylene	200	ug/kg	330	8270C	08/09/11 21:44	PL	208-96-8	J
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	98-86-2	
Anthracene	1,110	ug/kg	330	8270C	08/09/11 21:44	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	100-52-7	
Benzo(a)anthracene	2,410	ug/kg	330	8270C	08/09/11 21:44	PL	56-55-3	
Benzo(a)pyrene	2,150	ug/kg	330	8270C	08/09/11 21:44	PL	50-32-8	
Benzo(b)fluoranthene	1,950	ug/kg	330	8270C	08/09/11 21:44	PL	205-99-2	
Benzo(ghi)perylene	570	ug/kg	330	8270C	08/09/11 21:44	PL	191-24-2	
Benzo(k)fluoranthene	2,030	ug/kg	330	8270C	08/09/11 21:44	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	105-60-2	
Carbazole	390	ug/kg	330	8270C	08/09/11 21:44	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	108-60-1	
Chrysene	3,010	ug/kg	330	8270C	08/09/11 21:44	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	53-70-3	
Dibenzofuran	352	ug/kg	330	8270C	08/09/11 21:44	PL	132-64-9	

LW-11/1/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.09 (continued)
Sample Tag: Dup-080111

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	117-81-7	
Fluoranthene	5,220	ug/kg	330	8270C	08/09/11 21:44	PL	206-44-0	
Fluorene	535	ug/kg	330	8270C	08/09/11 21:44	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	620	ug/kg	330	8270C	08/09/11 21:44	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	78-59-1	
2-Methylnaphthalene	160	ug/kg	330	8270C	08/09/11 21:44	PL	91-57-6	J
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	86-30-6	
Naphthalene	172	ug/kg	330	8270C	08/09/11 21:44	PL	91-20-3	J
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 21:44	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 21:44	PL	87-86-5	
Phenanthrene	4,692	ug/kg	330	8270C	08/09/11 21:44	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	108-95-2	
Pyrene	5,010	ug/kg	330	8270C	08/09/11 21:44	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:44	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Phenanthrene	Completed			8270C	08/09/11 14:45	PL	85-01-8	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 14:45	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 14:45	PL		
4H-cyclopenta(def)phenanthrene	Completed			8270C	08/09/11 14:45	PL		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.10
Sample Tag: SB-37-080111 (2-4')
Collected Date/Time: 08/01/2011 16:30
Matrix: Soil
COC Reference: 63684

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	Not found			8270C	08/09/11 14:45	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	105-67-9	
2,4-Dinitrophenol HJ	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	91-94-1	
4,6-Dinitro-2-methylphenol HJ	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	53-70-3	

LW-11/1/11

Lab Sample ID: S49541.10 (continued)
Sample Tag: SB-37-080111 (2-4')

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 22:53	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 22:53	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 22:53	PL	88-06-2	

Analytical Laboratory Report

Lab Sample ID: S49541.11
Sample Tag: DW-2-072811 (sed)
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	98-86-2	
Anthracene	350	ug/kg	330	8270C	08/09/11 23:27	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	100-52-7	
Benzo(a)anthracene	3,290	ug/kg	330	8270C	08/09/11 23:27	PL	56-55-3	I
Benzo(a)pyrene	3,910	ug/kg	330	8270C	08/09/11 23:27	PL	50-32-8	I
Benzo(b)fluoranthene	5,660	ug/kg	330	8270C	08/09/11 23:27	PL	205-99-2	I
Benzo(ghi)perylene	1,230	ug/kg	330	8270C	08/09/11 23:27	PL	191-24-2	I
Benzo(k)fluoranthene	4,660	ug/kg	330	8270C	08/09/11 23:27	PL	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	105-60-2	
Carbazole	440	ug/kg	330	8270C	08/09/11 23:27	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	108-60-1	
Chrysene	5,330	ug/kg	330	8270C	08/09/11 23:27	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	534-52-1	
Dibenzo(ah)anthracene	420	ug/kg	330	8270C	08/09/11 23:27	PL	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	132-64-9	

LW-11/1/11

I-Matrix interference with internal standard

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	660	ug/kg	330	8270C	08/09/11 23:27	PL	117-81-7	B
Fluoranthene	6,930	ug/kg	330	8270C	08/09/11 23:27	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	1,300	ug/kg	330	8270C	08/09/11 23:27	PL	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 23:27	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 23:27	PL	87-86-5	
Phenanthrene	2,490	ug/kg	330	8270C	08/09/11 23:27	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	108-95-2	
Pyrene	7,500	ug/kg	330	8270C	08/09/11 23:27	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 23:27	PL	88-06-2	
TCL Semi-Volatile Organics (Replicate 01)								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	98-86-2	
Anthracene	380	ug/kg	330	8270C	08/10/11 23:43	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	100-52-7	
Benzo(a)anthracene	3,400	ug/kg	330	8270C	08/10/11 23:43	PL	56-55-3	I
Benzo(a)pyrene	4,160	ug/kg	330	8270C	08/10/11 23:43	PL	50-32-8	I
Benzo(b)fluoranthene	5,890	ug/kg	330	8270C	08/10/11 23:43	PL	205-99-2	I
Benzo(ghi)perylene	1,130	ug/kg	330	8270C	08/10/11 23:43	PL	191-24-2	I
Benzo(k)fluoranthene	5,080	ug/kg	330	8270C	08/10/11 23:43	PL	207-08-9	I
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	85-68-7	

B-Compound also found in associated method blank
I-Matrix interference with internal standard

LW-11/1/11

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	105-60-2	
Carbazole	480	ug/kg	330	8270C	08/10/11 23:43	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	108-60-1	
Chrysene	5,550	ug/kg	330	8270C	08/10/11 23:43	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	534-52-1	
Dibenzo(ah)anthracene	400	ug/kg	330	8270C	08/10/11 23:43	PL	53-70-3	I
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	630	ug/kg	330	8270C	08/10/11 23:43	PL	117-81-7	B
Fluoranthene	7,180	ug/kg	330	8270C	08/10/11 23:43	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	1,280	ug/kg	330	8270C	08/10/11 23:43	PL	193-39-5	I
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 23:43	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	117-84-0	I
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 23:43	PL	87-86-5	
Phenanthrene	2,580	ug/kg	330	8270C	08/10/11 23:43	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	108-95-2	

I-Matrix interference with internal standard
B-Compound also found in associated method blank

LW-11/1/11

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (Replicate 01) (continued)								
Pyrene	7,950	ug/kg	330	8270C	08/10/11 23:43	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 23:43	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
Fluoranthene	Completed			8270C	08/09/11 14:45	PL	206-44-0	
Pyrene	Completed			8270C	08/09/11 14:45	PL	129-00-0	
Chrysene	Completed			8270C	08/09/11 14:45	PL	218-01-9	
Benzo(a)anthracene	Completed			8270C	08/09/11 14:45	PL	56-55-3	
Benzo(b)fluoranthene	Completed			8270C	08/09/11 14:45	PL	205-99-2	
Benzo(k)fluoranthene	Completed			8270C	08/09/11 14:45	PL	207-08-9	
Benzo(a)pyrene	Completed			8270C	08/09/11 14:45	PL	50-32-8	
Perylene	Completed			8270C	08/09/11 14:45	PL		
7H-Benz(de)anthracen-7-one	Completed			8270C	08/09/11 14:45	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/10/11 13:26	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	76-13-1	
Acetone	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	156-59-2	
Chloroform	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	56-23-5	
Benzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	107-06-2	
Trichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-87-2	

LW-11/1/11

Lab Sample ID: S49541.11 (continued)
Sample Tag: DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	10061-01-5	
Toluene	1.16	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	79-34-5	
Ethylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	24	Low 5035/8260B	08/10/11 13:26	JGH		
o-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	95-47-6	
Styrene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	98-82-8	
Bromoform	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/10/11 13:26	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.12
Sample Tag: DW-3-072811 (sed)
Collected Date/Time: 07/28/2011 09:38
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	92	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	101-55-3	
di-n-Butyl phthalate	750	ug/kg	330	8270C	08/09/11 21:10	PL	84-74-2	B
Benzaldehyde	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	100-52-7	
Benzo(a)anthracene	750	ug/kg	330	8270C	08/09/11 21:10	PL	56-55-3	
Benzo(a)pyrene	730	ug/kg	330	8270C	08/09/11 21:10	PL	50-32-8	
Benzo(b)fluoranthene	920	ug/kg	330	8270C	08/09/11 21:10	PL	205-99-2	
Benzo(ghi)perylene	380	ug/kg	330	8270C	08/09/11 21:10	PL	191-24-2	
Benzo(k)fluoranthene	770	ug/kg	330	8270C	08/09/11 21:10	PL	207-08-9	
Butyl benzyl phthalate	400	ug/kg	330	8270C	08/09/11 21:10	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	108-60-1	
Chrysene	1,200	ug/kg	330	8270C	08/09/11 21:10	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	132-64-9	

LW-11/1/11

B-Compound also found in associated method blank

Lab Sample ID: S49541.12 (continued)
Sample Tag: DW-3-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	8,490	ug/kg	330	8270C	08/09/11 21:10	PL	117-81-7	B
Fluoranthene	1,670	ug/kg	330	8270C	08/09/11 21:10	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	330	ug/kg	330	8270C	08/09/11 21:10	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/09/11 21:10	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/09/11 21:10	PL	87-86-5	
Phenanthrene	700	ug/kg	330	8270C	08/09/11 21:10	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	108-95-2	
Pyrene	1,830	ug/kg	330	8270C	08/09/11 21:10	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/09/11 21:10	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 14:45	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 14:45	PL	117-81-7	
Hexadecanoic acid	Completed			8270C	08/09/11 14:45	PL	57-10-3	
2,6,10,14-tetramethylhexadecane	Completed			8270C	08/09/11 14:45	PL		
11-cyclopentylheneicosane	Completed			8270C	08/09/11 14:45	PL		
Tritetracontane	Completed			8270C	08/09/11 14:45	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	76-13-1	
Acetone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-15-0	
Methyl Acetate	6.6	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-20-9	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	78-93-3	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.12 (continued)
Sample Tag: DW-3-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Dichlorodifluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-34-3	
cis-1,2-Dichloroethene	1.3	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	156-59-2	J
Chloroform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	56-23-5	
Benzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	107-06-2	
Trichloroethene	13.6	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	10061-01-5	
Toluene	1.48	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	79-34-5	
Ethylbenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	100-41-4	
p,m-Xylene	1.7	ug/kg	22	Low 5035/8260B	08/10/11 14:29	JGH		J
o-Xylene	0.74	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	95-47-6	J
Styrene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	100-42-5	
Isopropylbenzene	8.5	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	98-82-8	J
Bromoform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	541-73-1	
1,4-Dichlorobenzene	10.5	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	106-46-7	J
1,2-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 14:29	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 14:29	JGH		
alpha-Pinene	Found			8260B	08/10/11 14:29	JGH		
beta-Pinene	Found			8260B	08/10/11 14:29	JGH		

LW-11/1/11

J-Estimated value less than reporting limit, but greater than MDL

Analytical Laboratory Report

Lab Sample ID: S49541.13
Sample Tag: DW-4-072811 (sed)
Collected Date/Time: 07/28/2011 08:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	97	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	101-55-3	
di-n-Butyl phthalate	470	ug/kg	330	8270C	08/10/11 22:00	PL	84-74-2	B
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	56-55-3	
Benzo(a)pyrene	210	ug/kg	330	8270C	08/10/11 22:00	PL	50-32-8	J
Benzo(b)fluoranthene	300	ug/kg	330	8270C	08/10/11 22:00	PL	205-99-2	J
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	191-24-2	
Benzo(k)fluoranthene	280	ug/kg	330	8270C	08/10/11 22:00	PL	207-08-9	J
Butyl benzyl phthalate	200	ug/kg	330	8270C	08/10/11 22:00	PL	85-68-7	J
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	108-60-1	
Chrysene	320	ug/kg	330	8270C	08/10/11 22:00	PL	218-01-9	J
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	53-70-3	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.13 (continued)
Sample Tag: DW-4-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	6,740	ug/kg	330	8270C	08/10/11 22:00	PL	117-81-7	B
Fluoranthene	280	ug/kg	330	8270C	08/10/11 22:00	PL	206-44-0	J
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 22:00	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 22:00	PL	87-86-5	
Phenanthrene	180	ug/kg	330	8270C	08/10/11 22:00	PL	85-01-8	J
Phenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	108-95-2	
Pyrene	300	ug/kg	330	8270C	08/10/11 22:00	PL	129-00-0	J
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 22:00	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/10/11 22:00	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/10/11 22:00	PL	117-81-7	
Benzene, 1,3-dimethyl-	Completed			8270C	08/10/11 22:00	PL		
p-Xylene	Completed			8270C	08/10/11 22:00	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	76-13-1	
Acetone	27.2	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-71-8	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.13 (continued)
Sample Tag: DW-4-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-35-4	
Methylene chloride	1.31	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	156-59-2	
Chloroform	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	56-23-5	
Benzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	107-06-2	
Trichloroethene	6.7	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	10061-01-5	
Toluene	2.80	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	79-34-5	
Ethylbenzene	7.61	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	100-41-4	J
p,m-Xylene	34.6	ug/kg	18	Low 5035/8260B	08/10/11 15:26	JGH		
o-Xylene	12.43	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	95-47-6	
Styrene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	98-82-8	
Bromoform	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	9	Low 5035/8260B	08/10/11 15:26	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 15:26	JGH		
1-Hexanol, 2- ethyl	Found			8260B	08/10/11 15:26	JGH		
Nonanal	Found			8260B	08/10/11 15:26	JGH		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.14
Sample Tag: DW-2-072811 (sed) MS
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	720.5	ug/kg	330	8270C	08/10/11 22:35	PL	83-32-9	1
Acenaphthylene	679	ug/kg	330	8270C	08/10/11 22:35	PL	208-96-8	1
Acetophenone	678.3	ug/kg	330	8270C	08/10/11 22:35	PL	98-86-2	1
Anthracene	1,030	ug/kg	330	8270C	08/10/11 22:35	PL	120-12-7	1
Atrazine	669.0	ug/kg	330	8270C	08/10/11 22:35	PL	1912-24-9	1
1,1'-Biphenyl	605.8	ug/kg	330	8270C	08/10/11 22:35	PL	92-52-4	1
4-Bromophenyl phenyl ether	631	ug/kg	330	8270C	08/10/11 22:35	PL	101-55-3	1
di-n-Butyl phthalate	683	ug/kg	330	8270C	08/10/11 22:35	PL	84-74-2	1B
Benzaldehyde	497	ug/kg	330	8270C	08/10/11 22:35	PL	100-52-7	1
Benzo(a)anthracene	4,110	ug/kg	330	8270C	08/10/11 22:35	PL	56-55-3	1
Benzo(a)pyrene	4,649	ug/kg	330	8270C	08/10/11 22:35	PL	50-32-8	1
Benzo(b)fluoranthene	6,074	ug/kg	330	8270C	08/10/11 22:35	PL	205-99-2	1
Benzo(ghi)perylene	1,581	ug/kg	330	8270C	08/10/11 22:35	PL	191-24-2	1
Benzo(k)fluoranthene	5,593	ug/kg	330	8270C	08/10/11 22:35	PL	207-08-9	1
Butyl benzyl phthalate	844	ug/kg	330	8270C	08/10/11 22:35	PL	85-68-7	1
2-Chloronaphthalene	593.4	ug/kg	330	8270C	08/10/11 22:35	PL	91-58-7	1
2-Chlorophenol	524.4	ug/kg	330	8270C	08/10/11 22:35	PL	95-57-8	1
4-Chloro-3-methylphenol	595.7	ug/kg	330	8270C	08/10/11 22:35	PL	59-50-7	1
4-Chloroaniline	141	ug/kg	670	8270C	08/10/11 22:35	PL	106-47-8	J1
4-Chlorophenyl phenyl ether	635	ug/kg	330	8270C	08/10/11 22:35	PL	7005-72-3	1
Caprolactam	779.9	ug/kg	330	8270C	08/10/11 22:35	PL	105-60-2	1
Carbazole	1,117	ug/kg	330	8270C	08/10/11 22:35	PL	86-74-8	1
bis(2-Chloroethoxy)methane	581	ug/kg	330	8270C	08/10/11 22:35	PL	111-91-1	1
bis(2-Chloroethyl)ether	528	ug/kg	330	8270C	08/10/11 22:35	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	555	ug/kg	330	8270C	08/10/11 22:35	PL	108-60-1	1
Chrysene	6,322	ug/kg	330	8270C	08/10/11 22:35	PL	218-01-9	1
2,4-Dichlorophenol	562.0	ug/kg	330	8270C	08/10/11 22:35	PL	120-83-2	1
2,4-Dimethylphenol	603	ug/kg	330	8270C	08/10/11 22:35	PL	105-67-9	1
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 22:35	PL	51-28-5	1
2,4-Dinitrotoluene	561.2	ug/kg	330	8270C	08/10/11 22:35	PL	121-14-2	1
2,6-Dinitrotoluene	564.3	ug/kg	330	8270C	08/10/11 22:35	PL	606-20-2	1
3,3'-Dichlorobenzidine	135	ug/kg	670	8270C	08/10/11 22:35	PL	91-94-1	J1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 22:35	PL	534-52-1	1

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.14 (continued)
Sample Tag: DW-2-072811 (sed) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	793	ug/kg	330	8270C	08/10/11 22:35	PL	53-70-3	1
Dibenzofuran	684.1	ug/kg	330	8270C	08/10/11 22:35	PL	132-64-9	1
Diethyl phthalate	673	ug/kg	330	8270C	08/10/11 22:35	PL	84-66-2	1B
Dimethyl phthalate	643	ug/kg	330	8270C	08/10/11 22:35	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,404	ug/kg	330	8270C	08/10/11 22:35	PL	117-81-7	1B
Fluoranthene	8,082	ug/kg	330	8270C	08/10/11 22:35	PL	206-44-0	1
Fluorene	736.8	ug/kg	330	8270C	08/10/11 22:35	PL	86-73-7	1
Hexachlorobenzene	605	ug/kg	330	8270C	08/10/11 22:35	PL	118-74-1	1
Hexachlorobutadiene	510	ug/kg	330	8270C	08/10/11 22:35	PL	87-68-3	1
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 22:35	PL	77-47-4	1
Hexachloroethane	447.3	ug/kg	330	8270C	08/10/11 22:35	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,687	ug/kg	330	8270C	08/10/11 22:35	PL	193-39-5	1
Isophorone	615	ug/kg	330	8270C	08/10/11 22:35	PL	78-59-1	1
2-Methylnaphthalene	635	ug/kg	330	8270C	08/10/11 22:35	PL	91-57-6	1
2-Methylphenol	580	ug/kg	330	8270C	08/10/11 22:35	PL	95-48-7	1
3-, 4-Methylphenol	590	ug/kg	330	8270C	08/10/11 22:35	PL	3/4-Cresol	1
2-Nitroaniline	576.7	ug/kg	670	8270C	08/10/11 22:35	PL	88-74-4	J1
2-Nitrophenol	368	ug/kg	330	8270C	08/10/11 22:35	PL	88-75-5	1
3-Nitroaniline	295.7	ug/kg	670	8270C	08/10/11 22:35	PL	99-09-2	J1
4-Nitroaniline	469	ug/kg	670	8270C	08/10/11 22:35	PL	100-01-6	J1
4-Nitrophenol	433	ug/kg	670	8270C	08/10/11 22:35	PL	100-02-7	J1
N-Nitrosodi-n-propylamine	625	ug/kg	330	8270C	08/10/11 22:35	PL	621-64-7	1
N-Nitrosodiphenylamine	277.5	ug/kg	330	8270C	08/10/11 22:35	PL	86-30-6	J1
Naphthalene	590	ug/kg	330	8270C	08/10/11 22:35	PL	91-20-3	1
Nitrobenzene	557.4	ug/kg	200	8270C	08/10/11 22:35	PL	98-95-3	1
di-n-Octyl phthalate	1,272	ug/kg	330	8270C	08/10/11 22:35	PL	117-84-0	1
Pentachlorophenol	291.9	ug/kg	670	8270C	08/10/11 22:35	PL	87-86-5	J1
Phenanthrene	3,502	ug/kg	330	8270C	08/10/11 22:35	PL	85-01-8	1
Phenol	566.3	ug/kg	330	8270C	08/10/11 22:35	PL	108-95-2	1
Pyrene	8,000	ug/kg	330	8270C	08/10/11 22:35	PL	129-00-0	1
2,4,5-Trichlorophenol	543	ug/kg	330	8270C	08/10/11 22:35	PL	95-95-4	1
2,4,6-Trichlorophenol	597	ug/kg	330	8270C	08/10/11 22:35	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	560.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	76-13-1	2
Acetone	594.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	67-64-1	2
Carbon disulfide	522.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-15-0	2
Methyl Acetate	498.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-20-9	2
tert-Methyl butyl ether (MTBE)	655.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	1634-04-4	2
2-Butanone (MEK)	555.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	78-93-3	2
Dichlorodifluoromethane	385.4	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-71-8	2
Chloromethane	492.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	74-87-3	2
Vinyl chloride	519.9	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-01-4	2
Bromomethane	650.1	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	74-83-9	2

1-Dry Weight Spike: 1.94 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL
2-Spiked at 0.5mg/kg dry weight.

LW-11/1/11

Lab Sample ID: S49541.14 (continued)
Sample Tag: DW-2-072811 (sed) MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroethane	674.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-00-3	1
Trichlorofluoromethane	666.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-69-4	1
1,1-Dichloroethene	578.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-35-4	1
Methylene chloride	624.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-09-2	1
trans-1,2-Dichloroethene	600.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	156-60-5	1
1,1-Dichloroethane	632.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-34-3	1
cis-1,2-Dichloroethene	607.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	156-59-2	1
Chloroform	652.9	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	67-66-3	1
1,1,1-Trichloroethane	631.12	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	71-55-6	1
Cyclohexane	459.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	110-82-7	1
4-Methyl-2-pentanone (MIBK)	569.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-10-1	1
2-Hexanone	517.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	591-78-6	1
Carbon tetrachloride	591.4	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	56-23-5	1
Benzene	604.79	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	71-43-2	1
1,2-Dichloroethane	637.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	107-06-2	1
Trichloroethene	576.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-01-6	1
1,2-Dichloropropane	645.5	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	78-87-5	1
Bromodichloromethane	613.41	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-27-4	1
Methyl cyclohexane	482.20	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-87-2	1
cis-1,3-Dichloropropene	573.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	10061-01-5	1
Toluene	577.99	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-88-3	1
trans-1,3-Dichloropropene	573.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	10061-02-6	1
1,1,2-Trichloroethane	617.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-00-5	1
Tetrachloroethene	456.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	127-18-4	1
Dibromochloromethane	631.93	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	124-48-1	1
1,2-Dibromoethane	633.8	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	106-93-4	1
Chlorobenzene	577.65	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	108-90-7	1
1,1,2,2-Tetrachloroethane	587.7	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	79-34-5	1
Ethylbenzene	597.31	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	100-41-4	1
p,m-Xylene	1,179.7	ug/kg	24	Low 5035/8260B	08/10/11 15:45	JGH		1
o-Xylene	600.07	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	95-47-6	1
Styrene	551.1	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	100-42-5	1
Isopropylbenzene	557.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	98-82-8	1
Bromoform	588.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	75-25-2	1
1,3-Dichlorobenzene	601.6	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	541-73-1	1
1,4-Dichlorobenzene	572.0	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	106-46-7	1
1,2-Dichlorobenzene	562.58	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	95-50-1	1
1,2-Dibromo-3-chloropropane	700.2	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	96-12-8	1
1,2,4-Trichlorobenzene	317.3	ug/kg	12	Low 5035/8260B	08/10/11 15:45	JGH	120-82-1	1B

1-Spiked at 0.5mg/kg dry weight.
B-Compound also found in associated method blank

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.15
Sample Tag: DW-2-072811 (sed) MSD
Collected Date/Time: 07/28/2011 09:55
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	87	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	688.0	ug/kg	330	8270C	08/10/11 23:09	PL	83-32-9	1
Acenaphthylene	659	ug/kg	330	8270C	08/10/11 23:09	PL	208-96-8	1
Acetophenone	593.4	ug/kg	330	8270C	08/10/11 23:09	PL	98-86-2	1
Anthracene	993	ug/kg	330	8270C	08/10/11 23:09	PL	120-12-7	1
Atrazine	682.7	ug/kg	330	8270C	08/10/11 23:09	PL	1912-24-9	1
1,1'-Biphenyl	578.1	ug/kg	330	8270C	08/10/11 23:09	PL	92-52-4	1
4-Bromophenyl phenyl ether	625	ug/kg	330	8270C	08/10/11 23:09	PL	101-55-3	1
di-n-Butyl phthalate	718	ug/kg	330	8270C	08/10/11 23:09	PL	84-74-2	1B
Benzaldehyde	443	ug/kg	330	8270C	08/10/11 23:09	PL	100-52-7	1
Benzo(a)anthracene	3,785	ug/kg	330	8270C	08/10/11 23:09	PL	56-55-3	1
Benzo(a)pyrene	4,378	ug/kg	330	8270C	08/10/11 23:09	PL	50-32-8	1
Benzo(b)fluoranthene	6,246	ug/kg	330	8270C	08/10/11 23:09	PL	205-99-2	1
Benzo(ghi)perylene	1,331	ug/kg	330	8270C	08/10/11 23:09	PL	191-24-2	1
Benzo(k)fluoranthene	5,272	ug/kg	330	8270C	08/10/11 23:09	PL	207-08-9	1
Butyl benzyl phthalate	882	ug/kg	330	8270C	08/10/11 23:09	PL	85-68-7	1
2-Chloronaphthalene	577.7	ug/kg	330	8270C	08/10/11 23:09	PL	91-58-7	1
2-Chlorophenol	509.1	ug/kg	330	8270C	08/10/11 23:09	PL	95-57-8	1
4-Chloro-3-methylphenol	590.7	ug/kg	330	8270C	08/10/11 23:09	PL	59-50-7	1
4-Chloroaniline	147	ug/kg	670	8270C	08/10/11 23:09	PL	106-47-8	J1
4-Chlorophenyl phenyl ether	621	ug/kg	330	8270C	08/10/11 23:09	PL	7005-72-3	1
Caprolactam	519.9	ug/kg	330	8270C	08/10/11 23:09	PL	105-60-2	1
Carbazole	1,041	ug/kg	330	8270C	08/10/11 23:09	PL	86-74-8	1
bis(2-Chloroethoxy)methane	541	ug/kg	330	8270C	08/10/11 23:09	PL	111-91-1	1
bis(2-Chloroethyl)ether	493	ug/kg	330	8270C	08/10/11 23:09	PL	111-44-4	1
bis(2-Chloroisopropyl)ether	530	ug/kg	330	8270C	08/10/11 23:09	PL	108-60-1	1
Chrysene	5,870	ug/kg	330	8270C	08/10/11 23:09	PL	218-01-9	1
2,4-Dichlorophenol	546.3	ug/kg	330	8270C	08/10/11 23:09	PL	120-83-2	1
2,4-Dimethylphenol	601	ug/kg	330	8270C	08/10/11 23:09	PL	105-67-9	1
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 23:09	PL	51-28-5	1
2,4-Dinitrotoluene	536.7	ug/kg	330	8270C	08/10/11 23:09	PL	121-14-2	1
2,6-Dinitrotoluene	553.6	ug/kg	330	8270C	08/10/11 23:09	PL	606-20-2	1
3,3'-Dichlorobenzidine	198	ug/kg	670	8270C	08/10/11 23:09	PL	91-94-1	J1
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 23:09	PL	534-52-1	1

1-Dry Weight Spike: 1.92 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.15 (continued)
Sample Tag: DW-2-072811 (sed) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzo(ah)anthracene	667	ug/kg	330	8270C	08/10/11 23:09	PL	53-70-3	1
Dibenzofuran	656.3	ug/kg	330	8270C	08/10/11 23:09	PL	132-64-9	1
Diethyl phthalate	663	ug/kg	330	8270C	08/10/11 23:09	PL	84-66-2	1B
Dimethyl phthalate	642	ug/kg	330	8270C	08/10/11 23:09	PL	131-11-3	1
bis(2-Ethylhexyl)phthalate	1,363	ug/kg	330	8270C	08/10/11 23:09	PL	117-81-7	1B
Fluoranthene	7,388	ug/kg	330	8270C	08/10/11 23:09	PL	206-44-0	1
Fluorene	706.1	ug/kg	330	8270C	08/10/11 23:09	PL	86-73-7	1
Hexachlorobenzene	639	ug/kg	330	8270C	08/10/11 23:09	PL	118-74-1	1
Hexachlorobutadiene	501	ug/kg	330	8270C	08/10/11 23:09	PL	87-68-3	1
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 23:09	PL	77-47-4	1
Hexachloroethane	402.3	ug/kg	330	8270C	08/10/11 23:09	PL	67-72-1	1
Indeno(1,2,3-cd)pyrene	1,429	ug/kg	330	8270C	08/10/11 23:09	PL	193-39-5	1
Isophorone	591	ug/kg	330	8270C	08/10/11 23:09	PL	78-59-1	1
2-Methylnaphthalene	600	ug/kg	330	8270C	08/10/11 23:09	PL	91-57-6	1
2-Methylphenol	560	ug/kg	330	8270C	08/10/11 23:09	PL	95-48-7	1
3-, 4-Methylphenol	570	ug/kg	330	8270C	08/10/11 23:09	PL	3/4-Cresol	1
2-Nitroaniline	557.4	ug/kg	670	8270C	08/10/11 23:09	PL	88-74-4	J1
2-Nitrophenol	331	ug/kg	330	8270C	08/10/11 23:09	PL	88-75-5	1
3-Nitroaniline	343.6	ug/kg	670	8270C	08/10/11 23:09	PL	99-09-2	J1
4-Nitroaniline	488	ug/kg	670	8270C	08/10/11 23:09	PL	100-01-6	J1
4-Nitrophenol	470	ug/kg	670	8270C	08/10/11 23:09	PL	100-02-7	J1
N-Nitrosodi-n-propylamine	586	ug/kg	330	8270C	08/10/11 23:09	PL	621-64-7	1
N-Nitrosodiphenylamine	285.4	ug/kg	330	8270C	08/10/11 23:09	PL	86-30-6	J1
Naphthalene	544	ug/kg	330	8270C	08/10/11 23:09	PL	91-20-3	1
Nitrobenzene	500.3	ug/kg	200	8270C	08/10/11 23:09	PL	98-95-3	1
di-n-Octyl phthalate	1,552	ug/kg	330	8270C	08/10/11 23:09	PL	117-84-0	1
Pentachlorophenol	326.0	ug/kg	670	8270C	08/10/11 23:09	PL	87-86-5	J1
Phenanthrene	3,090	ug/kg	330	8270C	08/10/11 23:09	PL	85-01-8	1
Phenol	541.3	ug/kg	330	8270C	08/10/11 23:09	PL	108-95-2	1
Pyrene	7,717	ug/kg	330	8270C	08/10/11 23:09	PL	129-00-0	1
2,4,5-Trichlorophenol	560	ug/kg	330	8270C	08/10/11 23:09	PL	95-95-4	1
2,4,6-Trichlorophenol	581	ug/kg	330	8270C	08/10/11 23:09	PL	88-06-2	1
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	506.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	76-13-1	2
Acetone	587.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	67-64-1	2
Carbon disulfide	468.08	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-15-0	2
Methyl Acetate	423.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-20-9	2
tert-Methyl butyl ether (MTBE)	608.6	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	1634-04-4	2
2-Butanone (MEK)	531.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	78-93-3	2
Dichlorodifluoromethane	337.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-71-8	2
Chloromethane	441.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	74-87-3	2
Vinyl chloride	463.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-01-4	2
Bromomethane	536.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	74-83-9	2

1-Dry Weight Spike: 1.92 mg/kg
B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL
2-Spiked at 0.5mg/kg dry weight.

LW-11/1/11

Lab Sample ID: S49541.15 (continued)
Sample Tag: DW-2-072811 (sed) MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroethane	592.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-00-3	1
Trichlorofluoromethane	588.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-69-4	1
1,1-Dichloroethene	522.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-35-4	1
Methylene chloride	557.02	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-09-2	1
trans-1,2-Dichloroethene	527.5	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	156-60-5	1
1,1-Dichloroethane	565.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-34-3	1
cis-1,2-Dichloroethene	543.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	156-59-2	1
Chloroform	580.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	67-66-3	1
1,1,1-Trichloroethane	564.98	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	71-55-6	1
Cyclohexane	403.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	110-82-7	1
4-Methyl-2-pentanone (MIBK)	529.1	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-10-1	1
2-Hexanone	470.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	591-78-6	1
Carbon tetrachloride	532.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	56-23-5	1
Benzene	536.01	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	71-43-2	1
1,2-Dichloroethane	563.9	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	107-06-2	1
Trichloroethene	505.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-01-6	1
1,2-Dichloropropane	568.14	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	78-87-5	1
Bromodichloromethane	543.46	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-27-4	1
Methyl cyclohexane	424.42	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-87-2	1
cis-1,3-Dichloropropene	490.93	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	10061-01-5	1
Toluene	500.82	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-88-3	1
trans-1,3-Dichloropropene	495.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	10061-02-6	1
1,1,2-Trichloroethane	546.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-00-5	1
Tetrachloroethene	389.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	127-18-4	1
Dibromochloromethane	596.09	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	124-48-1	1
1,2-Dibromoethane	608.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	106-93-4	1
Chlorobenzene	516.43	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	108-90-7	1
1,1,2,2-Tetrachloroethane	559.8	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	79-34-5	1
Ethylbenzene	533.05	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	100-41-4	1
p,m-Xylene	1,047.6	ug/kg	20	Low 5035/8260B	08/10/11 16:03	JGH		1
o-Xylene	528.77	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	95-47-6	1
Styrene	483.0	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	100-42-5	1
Isopropylbenzene	485.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	98-82-8	1
Bromoform	540.3	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	75-25-2	1
1,3-Dichlorobenzene	545.7	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	541-73-1	1I
1,4-Dichlorobenzene	519.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	106-46-7	1I
1,2-Dichlorobenzene	517.45	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	95-50-1	1I
1,2-Dibromo-3-chloropropane	738.2	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	96-12-8	1I
1,2,4-Trichlorobenzene	290.4	ug/kg	10	Low 5035/8260B	08/10/11 16:03	JGH	120-82-1	1BI

1-Spiked at 0.5mg/kg dry weight.
I-Matrix interference with internal standard
B-Compound also found in associated method blank

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.16
Sample Tag: Dup-072811 (sed)
Collected Date/Time: 07/28/2011 08:00
Matrix: Soil
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/03/11 19:01	DLR		
Inorganics								
Total Solids	95	%	1	Std M 2540 B	08/04/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	84-66-2	

LW-11/1/11

Lab Sample ID: S49541.16 (continued)
Sample Tag: Dup-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	8,320	ug/kg	330	8270C	08/10/11 21:27	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/10/11 21:27	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/10/11 21:27	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/10/11 21:27	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/10/11 21:27	PL		
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/10/11 21:27	PL	117-81-7	
Benzene, 1,3-dimethyl-	Completed			8270C	08/10/11 21:27	PL		
p-Xylene	Completed			8270C	08/10/11 21:27	PL		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	76-13-1	
Acetone	16.2	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-15-0	
Methyl Acetate	4.5	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-20-9	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-01-4	

B-Compound also found in associated method blank
J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Lab Sample ID: S49541.16 (continued)
Sample Tag: Dup-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Bromomethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-35-4	
Methylene chloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	156-59-2	
Chloroform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	56-23-5	
Benzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	107-06-2	
Trichloroethene	8.5	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	10061-01-5	
Toluene	2.78	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	79-34-5	
Ethylbenzene	5.14	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	100-41-4	J
p,m-Xylene	21.3	ug/kg	22	Low 5035/8260B	08/10/11 15:07	JGH		J
o-Xylene	6.63	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	95-47-6	J
Styrene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	98-82-8	
Bromoform	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	541-73-1	
1,4-Dichlorobenzene	6.2	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	106-46-7	J
1,2-Dichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	11	Low 5035/8260B	08/10/11 15:07	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/10/11 15:07	JGH		
1-Hexanol, 2- ethyl	Found			8260B	08/10/11 15:07	JGH		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.17
Sample Tag: EB-DW-2-072811 (sed)
Collected Date/Time: 07/28/2011 10:30
Matrix: Water
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	3.5	IR
2	40ml Glass	HCL	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/09/11 16:02	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	101-55-3	
di-n-Butyl phthalate	1.00	ug/L	5	8270C	08/09/11 16:02	PL	84-74-2	BJ
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 16:02	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	7005-72-3	
Caprolactam	0.43	ug/L	10	8270C	08/09/11 16:02	PL	105-60-2	J
Carbazole	Not detected	ug/L	10	8270C	08/09/11 16:02	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 16:02	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 16:02	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	132-64-9	

LW-11/1/11

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.17 (continued)
Sample Tag: EB-DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	117-81-7	
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 16:02	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 16:02	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:02	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/09/11 18:14	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/09/11 18:14	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/09/11 18:14	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/09/11 18:14	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/09/11 18:14	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-71-8	
Chloromethane	0.340	ug/L	1	8260B	08/09/11 18:14	JGH	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/09/11 18:14	JGH	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-35-4	

LW-11/1/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.17 (continued)
Sample Tag: EB-DW-2-072811 (sed)

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Methylene chloride	0.21	ug/L	5	8260B	08/09/11 18:14	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/09/11 18:14	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/09/11 18:14	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/09/11 18:14	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	10061-01-5	
Toluene	0.260	ug/L	1	8260B	08/09/11 18:14	JGH	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH		
o-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	75-25-2	
1,3-Dichlorobenzene	0.080	ug/L	1	8260B	08/09/11 18:14	JGH	541-73-1	BJ
1,4-Dichlorobenzene	0.120	ug/L	1	8260B	08/09/11 18:14	JGH	106-46-7	BJ
1,2-Dichlorobenzene	0.060	ug/L	1	8260B	08/09/11 18:14	JGH	95-50-1	BJ
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/09/11 18:14	JGH	96-12-8	
1,2,4-Trichlorobenzene	0.130	ug/L	2	8260B	08/09/11 18:14	JGH	120-82-1	BJ

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/1/11

Analytical Laboratory Report

Lab Sample ID: S49541.18
Sample Tag: Trip Blank
Collected Date/Time: 07/28/2011 00:01
Matrix: Water
COC Reference: 63685

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	3.5	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/09/11 18:32	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/09/11 18:32	JGH	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/09/11 18:32	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-71-8	
Chloromethane	0.290	ug/L	1	8260B	08/09/11 18:32	JGH	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/09/11 18:32	JGH	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/09/11 18:32	JGH	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/09/11 18:32	JGH	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/09/11 18:32	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/09/11 18:32	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	100-41-4	

LW-11/1/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49541.18 (continued)
Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH		
o-Xylene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	75-25-2	
1,3-Dichlorobenzene	0.060	ug/L	1	8260B	08/09/11 18:32	JGH	541-73-1	BJ
1,4-Dichlorobenzene	0.100	ug/L	1	8260B	08/09/11 18:32	JGH	106-46-7	BJ
1,2-Dichlorobenzene	0.050	ug/L	1	8260B	08/09/11 18:32	JGH	95-50-1	BJ
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/09/11 18:32	JGH	96-12-8	
1,2,4-Trichlorobenzene	0.110	ug/L	2	8260B	08/09/11 18:32	JGH	120-82-1	BJ

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

LW-11/1/11

Quality Control Cover Page

Report ID: S49541.01(01)
Report Date: 08/16/2011
Project: 47362/ 24 Seneca
Lab Sample ID(s): S49541.01-S49541.18

Report to:

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Sample ID	Sample Tag	Collected	Matrix	Analysis Departments
S49541.01	SB-46-080111 (2-4')	08/01/2011 11:30	Soil	Extraction / Prep., Inorganics, Organics
S49541.02	SB-45-080111 (8-10.5')	08/01/2011 12:20	Soil	Extraction / Prep., Inorganics, Organics
S49541.03	SB-47-080111 (4-6')	08/01/2011 13:30	Soil	Extraction / Prep., Inorganics, Organics
S49541.04	SB-44-080111 (6-8')	08/01/2011 14:15	Soil	Extraction / Prep., Inorganics, Organics
S49541.05	SB-44-080111 (6-8') MS	08/01/2011 14:15	Soil	Extraction / Prep., Inorganics, Organics
S49541.06	SB-44-080111 (6-8') MSD	08/01/2011 14:15	Soil	Extraction / Prep., Inorganics, Organics
S49541.07	EB-SB-43-080111	08/01/2011 14:00	Water	Extraction / Prep., Organics
S49541.08	SB-43-080111 (0-2')	08/01/2011 15:00	Soil	Extraction / Prep., Inorganics, Organics
S49541.09	Dup-080111	08/01/2011 08:00	Soil	Extraction / Prep., Inorganics, Organics
S49541.10	SB-37-080111 (2-4')	08/01/2011 16:30	Soil	Extraction / Prep., Inorganics, Organics
S49541.11	DW-2-072811 (sed)	07/28/2011 09:55	Soil	Extraction / Prep., Inorganics, Organics
S49541.12	DW-3-072811 (sed)	07/28/2011 09:38	Soil	Extraction / Prep., Inorganics, Organics
S49541.13	DW-4-072811 (sed)	07/28/2011 08:55	Soil	Extraction / Prep., Inorganics, Organics
S49541.14	DW-2-072811 (sed) MS	07/28/2011 09:55	Soil	Extraction / Prep., Inorganics, Organics
S49541.15	DW-2-072811 (sed) MSD	07/28/2011 09:55	Soil	Extraction / Prep., Inorganics, Organics
S49541.16	Dup-072811 (sed)	07/28/2011 08:00	Soil	Extraction / Prep., Inorganics, Organics
S49541.17	EB-DW-2-072811 (sed)	07/28/2011 10:30	Water	Extraction / Prep., Organics
S49541.18	Trip Blank	07/28/2011 00:01	Water	Organics

This QC package, to the best of my knowledge, is in compliance with all technical and administrative requirements. If you have any questions, please do not hesitate to contact me at 517-332-0167 (ext. 14) or email me at mayamurshak@meritlabs.com.

Sincerely,

Maya Murshak
Technical Director

LW-11/1/11

ATTACHMENT B

CASE NARRATIVE AND CHAIN OF CUSTODY

MERIT LABORATORIES, INC.
2680 EAST LANSING DRIVE EAST LANSING • MICHIGAN • 48823
PHONE: 517-332-0167 FAX: 517-332-6333
FULL SERVICE ANALYTICAL TESTING FIELD SERVICES • CONSULTING • TRAINING

CASE NARRATIVE
CLIENT: O'BRIEN & GERE
PROJECT: 47362/ 24 SENECA
Merit IDs: S49541.01-S49541.18

Field Sampling: Jeremy Wolf/ Logan Reid performed the fieldwork.

Analytical Bottles: All bottles were sent with the appropriate preservation in it. Please see the bottle list attached.

Sample Receiving: All samples were received by the laboratory on ice (08/02/2011). Dates and signatures can be found on the Chain of Custody Records. The sample receipts specify the actual tags and bottles received and logged into the laboratory "vlims" system.

ANALYSES

Semivolatile Organics: The organic method utilized for this SDG was 8270C (GC/MS). The QC requirements were followed for this specific project and method-specified criteria were met.

Sample S49541.11 had the internal standard Perylene-D12 outside of control limits. Sample S49541.11 was re-analyzed in Batch Z110810 with internal standard Perylene-D12 outside of control limits. Sample was flagged appropriately.

Outliers:
Run-Batch Z110805

- The blank contained 5.3 ug/kg of Diethyl phthalate, 9.7 ug/kg of di-N-butyl phthalate, and 6.0 ug/kg of bis(2-Ethylhexyl)phthalate. All appropriate samples were flagged.
- The CCC had the compounds 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol outside of control limits.

Run-Batch Z110809

- The blank contained 0.7 ug/l of Acetophenone, 0.2 ug/l of Caprolactam, 0.1 ug/l of 4-Chloro-3-methylphenol, 0.8 ug/l pf di-N-butyl phthalate, and 0.9 ug/l of bis(2-Ethylhexyl) phthalate. All appropriate samples were flagged.
- The CCC had the compound 2,4-Dinitrophenol outside of control limits.

LW-11/1/11

Run-Batch Z110810

- The LCS/LCSD had high RPD for the compounds 2,4-Ditnitrophenol and 4,6-Dinitro-2-methylphenol.
- The MS/MSD (S49541.05 and S49541.06) had high RPD for the compounds Phenanthrene, Fluoranthene, and Pyrene.
- The MS/MSD (S49541.14 and S49541.15) had high RPD for the compounds Caprolactam and 3,3'-Dichlorobenzidine.
- The MS (S49541.05) had low recoveries for the compounds bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Acetophenone, Hexachloroethane, Nitrobenzene, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, and Hexachlorobutadiene.
- The MS (S49541.14) had low recoveries for the compounds Benzaldehyde, Phenol, 2-Chlorophenol, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Acetophenone, Hexachloroethane, N-Nitrosodi-n-propylamine, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, Caprolactam, 4-Chloro-3-methylphenol, Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 1,1'-Biphenyl, 2-Chloronaphthalene, 2-Nitroaniline, Dimethyl phthalate, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, Dibenzofuran, 4-Nitrophenol, 2,4-Dinitrotoluene, Diethyl phthalate, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, 4-Bromophenyl phenyl ether, Hexachlorobenzene, Atrazine, Pentachlorophenol, di-n-Butyl phthalate, Butyl benzyl phthalate, 3,3'-Dichlorobenzidine, bis(2-Ethylhexyl)phthalate, di-n-Octyl phthalate, and Dibenzo(ah)anthracene.
- The MS (S49541.14) had high recoveries for the compounds Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene.
- The MSD (S49541.15) had low recoveries for the compounds Benzaldehyde, Phenol, 2-Chlorophenol, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Acetophenone, Hexachloroethane, N-Nitrosodi-n-propylamine, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 2,4-Dichlorophenol, Naphthalene, 4-Chloroaniline, Hexachlorobutadiene, Caprolactam, 4-Chloro-3-methylphenol, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 1,1'-Biphenyl, 2-Chloronaphthalene, 2-Nitroaniline, Dimethyl phthalate, 2,6-Dinitrotoluene, 3-Nitroaniline, Acenaphthene, Dibenzofuran, 4-Nitrophenol, 2,4-Dinitrotoluene, Fluorene, Diethyl phthalate, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, 4-

Bromophenyl phenyl ether, Hexachlorobenzene, Atrazine, Pentachlorophenol, di-n-Butyl phthalate, Butyl benzyl phthalate, 3,3'-Dichlorobenzidine, bis(2-Ethylhexyl)phthalate, and Dibenzo(ah)anthracene.

- The MSD (S49541.15) had high recoveries for the compounds Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Benzo(a)pyrene.
- The blank contained 5.7 ug/kg of Diethyl phthalate, 14.7 ug/kg of di-N-butyl phthalate, and 5.7 ug/kg of bis(2-Ethylhexyl) phthalate. All appropriate samples were flagged.

Volatile Organics: The organic method utilized for this SDG was 8260B (GC/MS). The QC requirements were followed for this specific project and method-specified criteria were met.

Sample S49541.13 had the surrogate 4-Bromofluorobenzene outside of control limits in batch 110810A6. Sample S49541.13 was re-run in same batch with all surrogates passing.

Sample S49541.15 had the internal standard 1,4-Dichlorobenzene outside of control limits. Sample was not re-run as it was an MSD and there was a general matrix effect observed in all samples. Sample was flagged appropriately.

Outliers:
Run-Batch 110809B3

- The blank contained 0.10 ug/l of 1,3-Dichlorobenzene, 0.13 ug/l of 1,4-Dichlorobenzene, 0.07 ug/l of 1,2-Dichlorobenzene, and 0.16 ug/ l of 1,2,4-Trichlorobenzene. All appropriate samples were flagged.

Run-Batch 110810A6

- The blank contained 0.2 ug/kg of 1,2,4-Trichlorobenzene. All appropriate samples were flagged.
- The CCC had the compounds Acetone, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromoform, and 1,2-Dibromo-3-chloropropane outside of control limits.

Total Solids: All total solids QC requirements were met according to the specifications in Method 2540B. *Outliers*: None

Data Reporting: The analytical reports are reflective of what is on a given Chain-of-Custody record (COC). Merit's IDs were assigned to the samples as they were delivered and accepted by our log-in staff.

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"I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature."

08/29/11

Barb Richardson
Date

QA Officer

Analytical Laboratory Report

Report ID: S49541.01(01)
Generated on 08/16/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49541.01-S49541.18
Project: 47362/ 24 Seneca
Collected Date: 07/28/2011 - 08/01/2011
Submitted Date/Time: 08/02/2011 09:35
Sampled by: Jeremy Wolf/ Logan
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
""Not detected"" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified.Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

LW-11/1/11

Sample Summary (18 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49541.01	SB-46-080111 (2-4')	Soil	08/01/2011 11:30
S49541.02	SB-45-080111 (8-10.5')	Soil	08/01/2011 12:20
S49541.03	SB-47-080111 (4-6')	Soil	08/01/2011 13:30
S49541.04	SB-44-080111 (6-8')	Soil	08/01/2011 14:15
S49541.05	SB-44-080111 (6-8') MS	Soil	08/01/2011 14:15
S49541.06	SB-44-080111 (6-8') MSD	Soil	08/01/2011 14:15
S49541.07	EB-SB-43-080111	Water	08/01/2011 14:00
S49541.08	SB-43-080111 (0-2')	Soil	08/01/2011 15:00
S49541.09	Dup-080111	Soil	08/01/2011 08:00
S49541.10	SB-37-080111 (2-4')	Soil	08/01/2011 16:30
S49541.11	DW-2-072811 (sed)	Soil	07/28/2011 09:55
S49541.12	DW-3-072811 (sed)	Soil	07/28/2011 09:38
S49541.13	DW-4-072811 (sed)	Soil	07/28/2011 08:55
S49541.14	DW-2-072811 (sed) MS	Soil	07/28/2011 09:55
S49541.15	DW-2-072811 (sed) MSD	Soil	07/28/2011 09:55
S49541.16	Dup-072811 (sed)	Soil	07/28/2011 08:00
S49541.17	EB-DW-2-072811 (sed)	Water	07/28/2011 10:30
S49541.18	Trip Blank	Water	07/28/2011 00:01

DATA USABILITY SUMMARY REPORT

For

SENECA AVENUE RI-AA

SDG No. S49576

ORGANIC AND INORGANIC ANALYSES

Sampling Date: August 2-3, 2011

Submitted to:

O'Brien & Gere Engineers, Inc.
Suite 400, Harro East Building
400 Andrews Street.
Rochester, NY 14604
(585) 263 2820

For

New York State Department of Environmental Conservation (NYSDEC)
Albany, New York

Prepared by:

Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Avenue
Pittsburgh PA 15216
(412) 341-5281

Site: 24 Seneca Avenue

SDG #: S49576

Client: O'Brien & Gere Engineers Inc.

Date: October 13, 2011

Laboratory: Test America/Merit Labs

Reviewer: L. Wright

Client ID	Laboratory ID	Matrix	VOA	SVOA	Metals	NOD
SB-25-080211-10-12	S49576.01	Soil	X		X	X
SB-25-080211-10-12	S49576.01DUP	Soil				X+
SB-25-080211-10-12	S49576.01MS/MSD	Soil				X+
SB-27-080211-10-12	S49576.02	Soil	X		X	X
SB-28-080211-12-13.5	S49576.03	Soil	X		X	X
SB-29-080211-12-13.7	S49576.04	Soil	X	X	X	X
EB-SB-29-080211	S49576.05	Water	X	X		
SB-36-080211-12-13.3	S49576.06	Soil	X		X	X
SB-35-080211-12-13.5	S49576.07	Soil	X		X	X
SB-33-080211-10-12	S49576.08	Soil	X#		X	X
SB-33-080211-12-13.1	S49576.09	Soil	X#		X	X
SB-33-080211-12-13.1	S49576.09	Soil				X***
SB-31-080211-12-13.4	S49576.10	Soil	X#		X	X
SB-31-080211-12-13.4	S49576.10DUP	Soil				X**
DUP-080211	S49576.11	Soil	X#	X	X	-
DUP-080311	S49576.12	Soil	X		-	X
SB-30-080311-12-13.5	S49576.13	Soil	X#		X	X
SB-34-080311-4-6	S49576.14	Soil	X#		X	X
SB-34-080311-4-6	S49576.14DUP	Soil	X			X+
SB-34-080311-4-6	S49576.14MS/MSD	Soil				X+
SB-32-080311-12-14.5	S49576.15	Soil	X#		X	X
SB-26-080311-13-15	S49576.16	Soil	X		X	X
SB-26-080311-6-8	S49576.17	Soil	X		X	X
SB-38-080311-6-8	S49576.18	Soil	X	X		
SB-39-080311-2-4	S49576.19	Soil	X	X		
SB-40-080311-4-6	S49576.20	Soil	X	X		
SB-41-080311-2-4	S49576.21	Soil	X	X		
EB-SB-41-080311	S49576.22	Water	X			
SB-32-080311-12-14.5	S49576.23	Soil	X#			
SB-32-080311-12-14.5	S49576.24 MS/ MSD	Soil	X			
Trip Blank	S49576.25	Water	X			
Trip Blank	S49576.26	Water	X			

*NOD Parameters: COD, TOC, Nitrate-N, Nitrite-N, TKN, **TOC only, ***TKN only, +Nitrate/nitrite only, #reanalyzed

The data package contained twenty two (22) soils and four (4) aqueous samples. The samples were analyzed via SW-846 Methods 8260B, 8270C, 4500, 6020 and EPA Methods 300, 410 and STM 2540. The adherence of laboratory analytical performance to these methods' Analytical Specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (NYSDEC, 10/02). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC) and Traffic Report: All was present.

Holding Time: This was acceptable.

Calibration Quality Control: The following results were qualified due to calibration deficiency

VOA:

Lab ID	Analyte	Qualifier
S49576-5, S49576-22,	Bromomethane Dichlorodifluoromethane	UJ
, S49576-9, S49576-10, S49576-11, S49576-13, S49576-14, S49576-15,	Acetone Bromomethane	UJ
S49576-16, S49576-1, S49576-2	Acetone	J
	Bromomethane	UJ
S49576-8, S49576-12, S49576-17	Bromomethane	UJ
S49576-3, S49576-4, S49576- S49576-6, S49576-7	Bromomethane Chloroethane	UJ

SVOA

Lab ID	Analyte	Qualifier
S49576-4, S49576-11 S49576-18, S49576-19, S49576-20, S49576-21	2,4-dinitrophenol	UJ

Calibration Blanks: All results were acceptable.

Method Blanks: The following samples were qualified;

VOA

Lab ID	Analyte	Qualifier
S49576-3, S49576-4, S49576-6, S49576-7	Toluene	Delete B

For SVOA analyses, the "B" qualifier was removed from bis-2ethlyhexyl phthalate in some samples since the results were hits that were not impacted by method blanks.

Equipment Blank: The following were qualified due to Equipment blank contamination.

Client ID	Analyte	Qualifier
S49576-1, S49576-3, S49576-4, S49576-7, S49576-11, S49576-13, S49576-15, S49576-16	Methylene chloride	U
S49576-2, S49576-6	Methylene chloride Trichlorothene	U

Matrix Spike: The following samples were qualified due to matrix spike deficiencies.

Client ID	Analyte	Qualifier
All samples	Chromium	J

Surrogates: Recoveries were acceptable.

Laboratory Control Sample (LCS): Recoveries were acceptable.

Internal Standard: Results were acceptable.

Duplicate: Results were acceptable.

Serial Dilution(SD): The following results were qualified due to SD deficiency.

Client ID	Analyte	Qualifier
All samples except S49576-16	Cu	J
S49576-16	Cu	UJ

Field Quality Control: Some field samples reported contamination. Affected samples were appropriately qualified.

Compound Quantitation: Some compounds were reported at elevated reporting limits due to dilution.

Additional Comment: Some samples were diluted due to calibration exceedance. The results for those samples were presented as hybrids of the original and diluted analyses. All cadmium (except S49576-9 and S49576-10) and selenium results were qualified as estimated due to results that were greater than MDL but less than CRDL. The "B" qualifier was removed from toluene results in these samples S49576-3, S49576-4, S49576-6, S49576-7 since detects were not affected by blank contamination.

Data usability: Data qualified with the “UJ” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “J” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “R” qualifier are not usable due to severe quality control issues. Data qualified with the “U” qualifier are usable as there are no quality control issues.

ATTACHMENT A

VALIDATED AND QUALIFIED DATA SHEETS (FORM 1s)

Analytical Laboratory Report

Lab Sample ID: S49576.01
Sample Tag: SB-25-080211-10-12
Collected Date/Time: 08/02/2011 09:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,470	mg/kg	10	410.4	08/16/11 18:08	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 09:33	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 09:33	JDP	14797-65-0	
TOC	0.59	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	237	mg/kg	1	4500-N(org)/NH3	08/09/11 15:15	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.85	mg/kg	0.10	6020	08/09/11 15:21	SLS	7440-38-2	
Barium	20.3	mg/kg	1.0	6020	08/09/11 15:21	SLS	7440-39-3	
Cadmium	0.03	mg/kg	0.20	6020	08/09/11 15:21	SLS	7440-43-9	b
Chromium	2.26	mg/kg	0.50	6020	08/09/11 15:21	SLS	7440-47-3	
Copper	3.3	mg/kg	1.0	6020	08/10/11 13:15	SLS	7440-50-8	
Iron	4,090	mg/kg	3.5	6020	08/10/11 13:15	SLS	7439-89-6	
Lead	8.52	mg/kg	0.30	6020	08/09/11 15:21	SLS	7439-92-1	
Selenium	0.20	mg/kg	0.50	6020	08/09/11 15:21	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	76-13-1	
Acetone	29.2	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-35-4	
Methylene chloride	0.59	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-09-2	U
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	67-66-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.01 (continued)
Sample Tag: SB-25-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	56-23-5	
Benzene	1.82	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-27-4	
Methyl cyclohexane	3.35	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-87-2	J
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	10061-01-5	
Toluene	2.70	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	79-34-5	
Ethylbenzene	1.18	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	100-41-4	J
p,m-Xylene	1.00	ug/kg	12	Low 5035/8260B	08/12/11 17:15	WAT		J
o-Xylene	0.65	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	100-42-5	
Isopropylbenzene	7.00	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 17:15	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 17:15	JGH		
Benzene, 1,2,4,5-tetramethyl-	Found			8260B	08/12/11 17:15	JGH		
1-Methylnaphthalene	Found			8260B	08/12/11 17:15	JGH	90-12-0	
Benzene, 4-ethyl-1, 2-dimethyl-	Found			8260B	08/12/11 17:15	JGH		
Benzene, 1-methyl-4-propyl	Found			8260B	08/12/11 17:15	JGH		
1H-Indene, 2,3-dihydro-1,3-dimethyl	Found			8260B	08/12/11 17:15	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 17:15	JGH		
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro	Found			8260B	08/12/11 17:15	JGH		
1H-Indene, 2,3-dihydro-4,7-dimethyl-	Found			8260B	08/12/11 17:15	JGH		
Indan, 1-methyl-	Found			8260B	08/12/11 17:15	JGH		
Naphthalene, decahydro-, trans-	Found			8260B	08/12/11 17:15	JGH		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.02
Sample Tag: SB-27-080211-10-12
Collected Date/Time: 08/02/2011 10:22
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	20,600	mg/kg	100	410.4	08/16/11 18:09	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:19	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:19	JDP	14797-65-0	
TOC	0.14	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	225	mg/kg	1	4500-N(org)/NH3	08/09/11 15:33	MJC		
Total Solids	82	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.80	mg/kg	0.10	6020	08/09/11 15:24	SLS	7440-38-2	
Barium	24.1	mg/kg	1.0	6020	08/09/11 15:24	SLS	7440-39-3	
Cadmium	0.02	mg/kg	0.20	6020	08/09/11 15:24	SLS	7440-43-9	b
Chromium	3.21	mg/kg	0.50	6020	08/09/11 15:24	SLS	7440-47-3	
Copper	7.5	mg/kg	1.0	6020	08/10/11 13:17	SLS	7440-50-8	
Iron	6,000	mg/kg	4	6020	08/10/11 13:17	SLS	7439-89-6	
Lead	15.3	mg/kg	0.30	6020	08/09/11 15:24	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 15:24	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	76-13-1	
Acetone	16.7	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-35-4	
Methylene chloride	0.79	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	156-59-2	
Chloroform	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	67-66-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.02 (continued)
Sample Tag: SB-27-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	56-23-5	
Benzene	1.71	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	107-06-2	
Trichloroethene	1.16	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-27-4	
Methyl cyclohexane	100.71	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	10061-01-5	
Toluene	2.62	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	79-34-5	
Ethylbenzene	0.85	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	100-41-4	J
p,m-Xylene	1.04	ug/kg	14	Low 5035/8260B	08/12/11 17:54	WAT		J
o-Xylene	1.22	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	95-47-6	J
Styrene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	100-42-5	
Isopropylbenzene	6.89	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	98-82-8	J
Bromoform	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	7	Low 5035/8260B	08/12/11 17:54	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 17:54	JGH		
Benzene, 1,2,4,5-tetramethyl-	Found			8260B	08/12/11 17:54	JGH		
Naphthalene, decahydro-2-methyl-	Found			8260B	08/12/11 17:54	JGH		
Cyclopentane, 1-hexyl-3-methyl	Found			8260B	08/12/11 17:54	JGH		
Decane, 3,8-dimethyl-	Found			8260B	08/12/11 17:54	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 2-ethyl-1,4-dimethyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 1-methyl-2-propyl-	Found			8260B	08/12/11 17:54	JGH		
Benzene, 1-methyl-2-(2-propenyl)-	Found			8260B	08/12/11 17:54	JGH		
Decane, 3-methyl-	Found			8260B	08/12/11 17:54	JGH		
Dodecane, 4,6-dimethyl-	Found			8260B	08/12/11 17:54	JGH		

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.03
Sample Tag: SB-28-080211-12-13.5
Collected Date/Time: 08/02/2011 11:24
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,100	mg/kg	10	410.4	08/16/11 18:10	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:31	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:31	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	134	mg/kg	1	4500-N(org)/NH3	08/09/11 15:45	MJC		
Total Solids	88	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.70	mg/kg	0.10	6020	08/09/11 15:27	SLS	7440-38-2	
Barium	22.6	mg/kg	1.0	6020	08/09/11 15:27	SLS	7440-39-3	
Cadmium	0.06	mg/kg	0.20	6020	08/09/11 15:27	SLS	7440-43-9	~~b~~
Chromium	2.36	mg/kg	0.50	6020	08/09/11 15:27	SLS	7440-47-3	
Copper	9.8	mg/kg	1.0	6020	08/10/11 13:20	SLS	7440-50-8	
Iron	1,450	mg/kg	3.6	6020	08/10/11 13:20	SLS	7439-89-6	
Lead	2.28	mg/kg	0.30	6020	08/09/11 15:27	SLS	7439-92-1	
Selenium	0.18	mg/kg	0.50	6020	08/09/11 15:27	SLS	7782-49-2	~~b~~
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-35-4	
Methylene chloride	~~1.66~~	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-09-2	~~J~~
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-34-3	
cis-1,2-Dichloroethene	5.79	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	156-59-2	J
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	67-66-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.03 (continued)
Sample Tag: SB-28-080211-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	56-23-5	
Benzene	1.26	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	107-06-2	
Trichloroethene	3.95	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	10061-01-5	
Toluene	7.28	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	79-34-5	
Ethylbenzene	1.89	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	100-41-4	J
p,m-Xylene	3.44	ug/kg	12	Low 5035/8260B	08/11/11 17:33	JGH		J
o-Xylene	1.15	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:33	JGH	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/11/11 17:33	JGH		
Tridecane	Found			8260B	08/11/11 17:33	JGH		
Nonane, 3-methyl-	Found			8260B	08/11/11 17:33	JGH		
Dodecane	Found			8260B	08/11/11 17:33	JGH		
Undecane	Found			8260B	08/11/11 17:33	JGH		
Undecane, 2,6-dimethyl	Found			8260B	08/11/11 17:33	JGH		
Dodecane, 2,6,10-trimethyl-	Found			8260B	08/11/11 17:33	JGH		
Tetradecane	Found			8260B	08/11/11 17:33	JGH		
Undecane, 3-methyl	Found			8260B	08/11/11 17:33	JGH		
1H-Indene, 2,3-dihydro-1,1,3-trimethyl	Found			8260B	08/11/11 17:33	JGH		
2-Methylnaphthalene	Found			8260B	08/11/11 17:33	JGH	91-57-6	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.04
Sample Tag: SB-29-080211-12-13.7
Collected Date/Time: 08/02/2011 12:07
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,330	mg/kg	10	410.4	08/16/11 18:10	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:43	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:43	JDP	14797-65-0	
TOC	0.16	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	102	mg/kg	1	4500-N(org)/NH3	08/09/11 15:58	MJC		
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.31	mg/kg	0.10	6020	08/09/11 15:30	SLS	7440-38-2	
Barium	11.8	mg/kg	1.0	6020	08/09/11 15:30	SLS	7440-39-3	
Cadmium	0.10	mg/kg	0.20	6020	08/09/11 15:30	SLS	7440-43-9	b
Chromium	3.28	mg/kg	0.50	6020	08/09/11 15:30	SLS	7440-47-3	
Copper	28.4	mg/kg	1.0	6020	08/10/11 13:22	SLS	7440-50-8	
Iron	1,560	mg/kg	3.5	6020	08/10/11 13:22	SLS	7439-89-6	
Lead	3.92	mg/kg	0.30	6020	08/09/11 15:30	SLS	7439-92-1	
Selenium	0.19	mg/kg	0.50	6020	08/09/11 15:30	SLS	7782-49-2	b
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/11/11 22:34	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-58-7	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	105-67-9	
2,4-Dinitrophenol UJ	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/11/11 22:34	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/11/11 22:34	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 22:34	PL	88-06-2	

LW-11/9/11

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 17:52	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	67-64-1	
Carbon disulfide	0.61	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-35-4	
Methylene chloride	1.58	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-34-3	
cis-1,2-Dichloroethene	28.68	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	56-23-5	
Benzene	1.22	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	107-06-2	
Trichloroethene	5.54	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	10061-01-5	
Toluene	7.73	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	79-34-5	
Ethylbenzene	2.07	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	100-41-4	J
p,m-Xylene	3.84	ug/kg	12	Low 5035/8260B	08/11/11 17:52	JGH		J
o-Xylene	1.58	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	541-73-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/9/11

Lab Sample ID: S49576.04 (continued)
Sample Tag: SB-29-080211-12-13.7

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 17:52	JGH	120-82-1	

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.05
Sample Tag: EB-SB-29-080211
Collected Date/Time: 08/02/2011 12:25
Matrix: Water
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	1L Amber	None	Yes	4.1	IR
2	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3510C	08/04/11 23:16	DLR		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	83-32-9	
Acenaphthylene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	208-96-8	
Acetophenone	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	98-86-2	
Anthracene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	120-12-7	
Atrazine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	84-74-2	
Benzaldehyde	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/L	1	8270C	08/09/11 16:36	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	91-58-7	
2-Chlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	59-50-7	
4-Chloroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	7005-72-3	
Caprolactam	0.23	ug/L	10	8270C	08/09/11 16:36	PL	105-60-2	J
Carbazole	5.20	ug/L	10	8270C	08/09/11 16:36	PL	86-74-8	J
bis(2-Chloroethoxy)methane	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	108-60-1	
Chrysene	Not detected	ug/L	1	8270C	08/09/11 16:36	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/L	10	8270C	08/09/11 16:36	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	53-70-3	
Dibenzofuran	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	132-64-9	
Diethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	131-11-3	

LW-11/9/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.05 (continued)
Sample Tag: EB-SB-29-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
bis(2-Ethylhexyl)phthalate	4.3	ug/L	5	8270C	08/09/11 16:36	PL	117-81-7	~~BJ~~
Fluoranthene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	206-44-0	
Fluorene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	77-47-4	
Hexachloroethane	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	193-39-5	
Isophorone	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	91-57-6	
2-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	88-74-4	
2-Nitrophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	88-75-5	
3-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	99-09-2	
4-Nitroaniline	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	100-01-6	
4-Nitrophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	86-30-6	
Naphthalene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	91-20-3	
Nitrobenzene	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	117-84-0	
Pentachlorophenol	Not detected	ug/L	20	8270C	08/09/11 16:36	PL	87-86-5	
Phenanthrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	85-01-8	
Phenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	108-95-2	
Pyrene	Not detected	ug/L	2	8270C	08/09/11 16:36	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/L	5	8270C	08/09/11 16:36	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/09/11 16:36	PL		
Carbazole	Completed			8270C	08/09/11 16:36	PL	86-74-8	
bis(2-Ethylhexyl)phthalate	Completed			8270C	08/09/11 16:36	PL	117-81-7	
7,7',8,8',11,11',1.psi.-cartene.psi.	Completed			8270C	08/09/11 16:36	PL		
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:13	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:13	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:13	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:13	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:13	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	78-93-3	
Dichlorodifluoromethane UJ	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-71-8	
Chloromethane	0.200	ug/L	1	8260B	08/04/11 15:13	WAT	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-01-4	

LW-11/9/11

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.05 (continued)
Sample Tag: EB-SB-29-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 15:13	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-35-4	
Methylene chloride	0.29	ug/L	5	8260B	08/04/11 15:13	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:13	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:13	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	107-06-2	
Trichloroethene	0.360	ug/L	1	8260B	08/04/11 15:13	WAT	79-01-6	J
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:13	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	541-73-1	
1,4-Dichlorobenzene	0.060	ug/L	1	8260B	08/04/11 15:13	WAT	106-46-7	BJ
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:13	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:13	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.06
Sample Tag: SB-36-080211-12-13.3
Collected Date/Time: 08/02/2011 14:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,580	mg/kg	10	410.4	08/16/11 18:11	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 10:54	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 10:54	JDP	14797-65-0	
TOC	2.0	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	280	mg/kg	1	4500-N(org)/NH3	08/09/11 16:06	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.35	mg/kg	0.10	6020	08/09/11 15:33	SLS	7440-38-2	
Barium	14.4	mg/kg	1.0	6020	08/09/11 15:33	SLS	7440-39-3	
Cadmium	0.05	mg/kg	0.20	6020	08/09/11 15:33	SLS	7440-43-9	b
Chromium	2.52	mg/kg	0.50	6020	08/09/11 15:33	SLS	7440-47-3	
Copper	13.5	mg/kg	1.0	6020	08/10/11 13:25	SLS	7440-50-8	
Iron	2,730	mg/kg	3.5	6020	08/10/11 13:25	SLS	7439-89-6	
Lead	9.18	mg/kg	0.30	6020	08/09/11 15:33	SLS	7439-92-1	
Selenium	0.15	mg/kg	0.50	6020	08/09/11 15:33	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 18:11	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	76-13-1	
Acetone	5.1	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	67-64-1	
Carbon disulfide	1.05	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-15-0	J
Methyl Acetate	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-35-4	
Methylene chloride	1.57	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-34-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.06 (continued)
Sample Tag: SB-36-080211-12-13.3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	55.02	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	156-59-2	
Chloroform	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	56-23-5	
Benzene	1.05	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	107-06-2	
Trichloroethene	~~2.52~~	ug/kg	5 U	Low 5035/8260B	08/11/11 18:11	JGH	79-01-6	J
1,2-Dichloropropane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	10061-01-5	
Toluene	6.08	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-00-5	
Tetrachloroethene	0.73	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	127-18-4	J
Dibromochloromethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	79-34-5	
Ethylbenzene	1.62	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	100-41-4	J
p,m-Xylene	2.83	ug/kg	10	Low 5035/8260B	08/11/11 18:11	JGH		J
o-Xylene	0.94	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	95-47-6	J
Styrene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	98-82-8	
Bromoform	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	5	Low 5035/8260B	08/11/11 18:11	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.07
Sample Tag: SB-35-080211-12-13.5
Collected Date/Time: 08/02/2011 14:55
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,900	mg/kg	10	410.4	08/16/11 18:11	MJC		
Nitrate-N	41	mg/kg	5	300.0	08/15/11 11:06	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:06	JDP	14797-65-0	
TOC	0.41	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	282	mg/kg	1	4500-N(org)/NH3	08/09/11 16:33	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.90	mg/kg	0.10	6020	08/09/11 15:36	SLS	7440-38-2	
Barium	32.4	mg/kg	1.0	6020	08/09/11 15:36	SLS	7440-39-3	
Cadmium	0.10	mg/kg	0.20	6020	08/09/11 15:36	SLS	7440-43-9	b
Chromium	3.70	mg/kg	0.50	6020	08/09/11 15:36	SLS	7440-47-3	
Copper	10.0	mg/kg	1.0	6020	08/10/11 13:27	SLS	7440-50-8	
Iron	2,840	mg/kg	3.6	6020	08/10/11 13:27	SLS	7439-89-6	
Lead	12.6	mg/kg	0.30	6020	08/09/11 15:36	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 15:36	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/11/11 18:31	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-35-4	
Methylene chloride	1.89	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-34-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.07 (continued)
Sample Tag: SB-35-080211-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	30.03	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	56-23-5	
Benzene	1.09	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	107-06-2	
Trichloroethene	16.13	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	10061-01-5	
Toluene	7.26	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-88-3	B
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	79-34-5	
Ethylbenzene	1.72	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	100-41-4	J
p,m-Xylene	3.26	ug/kg	12	Low 5035/8260B	08/11/11 18:31	JGH		J
o-Xylene	1.03	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/11/11 18:31	JGH	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL
B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.08
Sample Tag: SB-33-080211-10-12
Collected Date/Time: 08/02/2011 15:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,510	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	4	mg/kg	5	300.0	08/15/11 11:17	JDP	14797-55-8	J
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:17	JDP	14797-65-0	
TOC	0.42	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	213	mg/kg	1	4500-N(org)/NH3	08/09/11 16:40	MJC		
Total Solids	85	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.99	mg/kg	0.10	6020	08/09/11 15:39	SLS	7440-38-2	
Barium	15.8	mg/kg	1.0	6020	08/09/11 15:39	SLS	7440-39-3	
Cadmium	0.04	mg/kg	0.20	6020	08/09/11 15:39	SLS	7440-43-9	b
Chromium	36.2	mg/kg	0.50	6020	08/09/11 15:39	SLS	7440-47-3	
Copper	0.2	mg/kg	1.0	6020	08/10/11 13:29	SLS	7440-50-8	b
Iron	1,820	mg/kg	3.7	6020	08/10/11 13:29	SLS	7439-89-6	
Lead	3.20	mg/kg	0.30	6020	08/09/11 15:39	SLS	7439-92-1	
Selenium	0.14	mg/kg	0.50	6020	08/09/11 15:39	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 20:43	JGH		
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	76-13-1	Y
Acetone	Not detected	ug/kg	10,000	5035/8260B	08/12/11 20:43	JGH	67-64-1	Y
Carbon disulfide	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-15-0	Y
Methyl Acetate	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	79-20-9	Y
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/kg	10,000	5035/8260B	08/12/11 20:43	JGH	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-71-8	Y
Chloromethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	74-87-3	Y
Vinyl chloride	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	75-01-4	Y
Bromomethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	74-83-9	Y
Chloroethane	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-35-4	Y
Methylene chloride	Not detected	ug/kg	3,000	5035/8260B	08/12/11 20:43	JGH	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	156-60-5	Y

J-Estimated value less than reporting limit, but greater than MDL
O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration

LW-11/9/11

Lab Sample ID: S49576.08 (continued)
Sample Tag: SB-33-080211-10-12

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1-Dichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	156-59-2	Y
Chloroform	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	71-55-6	Y
Cyclohexane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	108-10-1	Y
2-Hexanone	Not detected	ug/kg	30,000	5035/8260B	08/12/11 20:43	JGH	591-78-6	Y
Carbon tetrachloride	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	56-23-5	Y
Benzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	107-06-2	Y
Trichloroethene	41,670	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	78-87-5	Y
Bromodichloromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-27-4	Y
Methyl cyclohexane	170	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-87-2	JY
cis-1,3-Dichloropropene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	10061-01-5	Y
Toluene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-88-3	Y
trans-1,3-Dichloropropene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-00-5	Y
Tetrachloroethene	570	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	127-18-4	JY
Dibromochloromethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	106-93-4	Y
Chlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	79-34-5	Y
Ethylbenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH		Y
o-Xylene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	95-47-6	Y
Styrene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	100-42-5	Y
Isopropylbenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	98-82-8	Y
Bromoform	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	700	5035/8260B	08/12/11 20:43	JGH	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	1,000	5035/8260B	08/12/11 20:43	JGH	120-82-1	Y

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.09
Sample Tag: SB-33-080211-12-13.1
Collected Date/Time: 08/02/2011 15:30
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	5,890	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	9	mg/kg	5	300.0	08/15/11 11:29	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:29	JDP	14797-65-0	
TOC	0.18	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	135	mg/kg	1	4500-N(org)/NH3	08/09/11 16:48	MJC		
Total Solids	91	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.49	mg/kg	0.10	6020	08/09/11 15:42	SLS	7440-38-2	
Barium	43.3	mg/kg	1.0	6020	08/09/11 15:42	SLS	7440-39-3	
Cadmium	0.97	mg/kg	0.20	6020	08/09/11 15:42	SLS	7440-43-9	
Chromium	37.1	mg/kg	0.50	6020	08/09/11 15:42	SLS	7440-47-3	
Copper	329	mg/kg	1.0	6020	08/10/11 13:32	SLS	7440-50-8	
Iron	4,120	mg/kg	3.3	6020	08/10/11 13:32	SLS	7439-89-6	
Lead	38.0	mg/kg	0.30	6020	08/09/11 15:42	SLS	7439-92-1	
Selenium	0.20	mg/kg	0.50	6020	08/09/11 15:42	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	76-13-1	Y
Acetone	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	67-64-1	Y
Carbon disulfide	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-15-0	Y
Methyl Acetate	3.6	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-20-9	JY
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	1634-04-4	Y
2-Butanone (MEK)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	78-93-3	Y
Dichlorodifluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-71-8	Y
Chloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	74-87-3	Y
Vinyl chloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-01-4	Y
Bromomethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	74-83-9	Y
Chloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-00-3	Y
Trichlorofluoromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-69-4	Y
1,1-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-35-4	Y
Methylene chloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-09-2	Y
trans-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	156-60-5	Y
1,1-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-34-3	Y
cis-1,2-Dichloroethene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	156-59-2	Y

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.09 (continued)
Sample Tag: SB-33-080211-12-13.1

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	67-66-3	Y
1,1,1-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	71-55-6	Y
Cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	110-82-7	Y
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-10-1	Y
2-Hexanone	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	591-78-6	Y
Carbon tetrachloride	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	56-23-5	Y
Benzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	71-43-2	Y
1,2-Dichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	107-06-2	Y
Trichloroethene	655.2	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-01-6	Y
1,2-Dichloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	78-87-5	Y
Bromodichloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-27-4	Y
Methyl cyclohexane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-87-2	Y
cis-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	10061-01-5	Y
Toluene	0.99	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-88-3	JY
trans-1,3-Dichloropropene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	10061-02-6	Y
1,1,2-Trichloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-00-5	Y
Tetrachloroethene	13.2	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	127-18-4	Y
Dibromochloromethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	124-48-1	Y
1,2-Dibromoethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	106-93-4	Y
Chlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	108-90-7	Y
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	79-34-5	Y
Ethylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	100-41-4	Y
p,m-Xylene	Not detected	ug/kg	24	Low 5035/8260B	08/12/11 17:35	WAT		Y
o-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	95-47-6	Y
Styrene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	100-42-5	Y
Isopropylbenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	98-82-8	Y
Bromoform	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	75-25-2	Y
1,3-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	541-73-1	Y
1,4-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	106-46-7	Y
1,2-Dichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	95-50-1	Y
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	96-12-8	Y
1,2,4-Trichlorobenzene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 17:35	WAT	120-82-1	Y
TICs Volatiles								
TICs	Completed			8260B	08/12/11 15:02	JGH		
2-Pentene, 2,4,4-trimethyl	Found			8260B	08/12/11 15:02	JGH		

Y-Elevated reporting limit due to high target concentration
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.10
Sample Tag: SB-31-080211-12-13.4
Collected Date/Time: 08/02/2011 16:40
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,720	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 11:40	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:40	JDP	14797-65-0	
TOC	0.33	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	174	mg/kg	1	4500-N(org)/NH3	08/09/11 16:58	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.98	mg/kg	0.10	6020	08/09/11 15:59	SLS	7440-38-2	
Barium	15.6	mg/kg	1.0	6020	08/09/11 15:59	SLS	7440-39-3	
Cadmium	0.47	mg/kg	0.20	6020	08/09/11 15:59	SLS	7440-43-9	
Chromium	21.8 J	mg/kg	0.50	6020	08/09/11 15:59	SLS	7440-47-3	
Copper	1.1	mg/kg	1.0	6020	08/10/11 13:44	SLS	7440-50-8	
Iron	2,380	mg/kg	3.8	6020	08/10/11 13:44	SLS	7439-89-6	
Lead	5.41	mg/kg	0.30	6020	08/09/11 15:59	SLS	7439-92-1	
Selenium	0.23	mg/kg	0.50	6020	08/09/11 15:59	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:21	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-34-3	
cis-1,2-Dichloroethene	2.59	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	156-59-2	J

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.10 (continued)
Sample Tag: SB-31-080211-12-13.4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	56-23-5	
Benzene	1.67	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	107-06-2	
Trichloroethene	271.34	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	10061-01-5	
Toluene	2.82	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-00-5	
Tetrachloroethene	11.56	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	100-41-4	
p,m-Xylene	0.98	ug/kg	12	Low 5035/8260B	08/12/11 15:21	WAT		J
o-Xylene	0.40	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:21	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.11
Sample Tag: DUP-080211
Collected Date/Time: 08/02/2011 08:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	88	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/11/11 23:08	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	53-70-3	

LW-11/9/11

Lab Sample ID: S49576.11 (continued)
Sample Tag: DUP-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/11/11 23:08	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/11/11 23:08	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/11/11 23:08	PL	88-06-2	
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:40	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	76-13-1	
Acetone U J	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	67-64-1	
Carbon disulfide	1.36	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	74-87-3	
Vinyl chloride	13.58	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-01-4	
Bromomethane UJ	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-69-4	

LW-11/9/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.11 (continued)
Sample Tag: DUP-080211

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-35-4	
Methylene chloride	~~0.57~~	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-09-2	J
trans-1,2-Dichloroethene	4.20	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-34-3	
cis-1,2-Dichloroethene	129.45	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	56-23-5	
Benzene	1.70	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	107-06-2	
Trichloroethene	6.53	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	10061-01-5	
Toluene	2.84	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 15:40	WAT		
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:40	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.12
Sample Tag: DUP-080311
Collected Date/Time: 08/03/2011 09:00
Matrix: Soil
COC Reference: 63686

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	76-13-1	X
Acetone	Not detected	ug/kg	960	5035/8260B	08/12/11 19:44	JGH	67-64-1	X
Carbon disulfide	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-15-0	X
Methyl Acetate	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	79-20-9	X
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	1634-04-4	X
2-Butanone (MEK)	Not detected	ug/kg	960	5035/8260B	08/12/11 19:44	JGH	78-93-3	X
Dichlorodifluoromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-71-8	X
Chloromethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	74-87-3	X
Vinyl chloride	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	75-01-4	X
Bromomethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	74-83-9	X
Chloroethane	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-00-3	X
Trichlorofluoromethane	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	75-69-4	X
1,1-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-35-4	X
Methylene chloride	Not detected	ug/kg	300	5035/8260B	08/12/11 19:44	JGH	75-09-2	X
trans-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	156-60-5	X
1,1-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-34-3	X
cis-1,2-Dichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	156-59-2	X
Chloroform	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	67-66-3	X
1,1,1-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	71-55-6	X
Cyclohexane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	110-82-7	X
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	108-10-1	X
2-Hexanone	Not detected	ug/kg	3,000	5035/8260B	08/12/11 19:44	JGH	591-78-6	X
Carbon tetrachloride	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	56-23-5	X
Benzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	71-43-2	X
1,2-Dichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	107-06-2	X
Trichloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	79-01-6	X
1,2-Dichloropropane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	78-87-5	X
Bromodichloromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-27-4	X
Methyl cyclohexane	14	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-87-2	JX
cis-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	10061-01-5	X
Toluene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-88-3	X
trans-1,3-Dichloropropene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	10061-02-6	X
1,1,2-Trichloroethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	79-00-5	X
Tetrachloroethene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	127-18-4	X
Dibromochloromethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	124-48-1	X
1,2-Dibromoethane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	106-93-4	X
Chlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	108-90-7	X

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.12 (continued)
Sample Tag: DUP-080311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	4,000	5035/8260B	08/12/11 19:44	JGH	79-34-5	X
Ethylbenzene	26	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	100-41-4	JX
p,m-Xylene	42	ug/kg	60	5035/8260B	08/12/11 19:44	JGH		JX
o-Xylene	148	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	95-47-6	X
Styrene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	100-42-5	X
Isopropylbenzene	180	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	98-82-8	X
Bromoform	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	75-25-2	X
1,3-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	541-73-1	X
1,4-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	106-46-7	X
1,2-Dichlorobenzene	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	95-50-1	X
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	60	5035/8260B	08/12/11 19:44	JGH	96-12-8	X
1,2,4-Trichlorobenzene	Not detected	ug/kg	100	5035/8260B	08/12/11 19:44	JGH	120-82-1	X
TICs Volatiles								
TICs	Completed			8260B	08/12/11 19:44	JGH		
1,3,5-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	108-67-8	
1,2,4-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	95-63-6	
p-Isopropyltoluene	Found			8260B	08/12/11 19:44	JGH	99-87-6	
1,2,3-Trimethylbenzene	Found			8260B	08/12/11 19:44	JGH	526-73-8	
n-Butylbenzene	Found			8260B	08/12/11 19:44	JGH	104-51-8	
Cyclohexane, propyl-	Found			8260B	08/12/11 19:44	JGH		
Naphthalene, decahydro-	Found			8260B	08/12/11 19:44	JGH		
Nonane, 4-methyl-	Found			8260B	08/12/11 19:44	JGH		
Decane, 4-methyl-	Found			8260B	08/12/11 19:44	JGH		
Benzene, 1-ethyl-2-methyl-	Found			8260B	08/12/11 19:44	JGH		

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.13
Sample Tag: SB-30-080311-12-13.5
Collected Date/Time: 08/03/2011 08:45
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	6,590	mg/kg	10	410.4	08/16/11 18:12	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 11:52	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 11:52	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	199	mg/kg	1	4500-N(org)/NH3	08/09/11 17:04	MJC		
Total Solids	89	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.80	mg/kg	0.10	6020	08/09/11 16:02	SLS	7440-38-2	
Barium	8.8	mg/kg	1.0	6020	08/09/11 16:02	SLS	7440-39-3	
Cadmium	0.02	mg/kg	0.20	6020	08/09/11 16:02	SLS	7440-43-9	b
Chromium	1.08	mg/kg	0.50	6020	08/09/11 16:02	SLS	7440-47-3	
Copper	1.8	mg/kg	1.0	6020	08/10/11 13:46	SLS	7440-50-8	
Iron	1,330	mg/kg	3.4	6020	08/10/11 13:46	SLS	7439-89-6	
Lead	3.20	mg/kg	0.30	6020	08/09/11 16:02	SLS	7439-92-1	
Selenium	0.17	mg/kg	0.50	6020	08/09/11 16:02	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 15:59	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-35-4	
Methylene chloride	0.73	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-09-2	J
trans-1,2-Dichloroethene	1.35	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	156-60-5	J
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-34-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.13 (continued)
Sample Tag: SB-30-080311-12-13.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	317.53	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	56-23-5	
Benzene	1.63	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	107-06-2	
Trichloroethene	79.41	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	10061-01-5	
Toluene	2.53	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	100-41-4	
p,m-Xylene	0.84	ug/kg	12	Low 5035/8260B	08/12/11 15:59	WAT		J
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 15:59	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.14
Sample Tag: SB-34-080311-4-6
Collected Date/Time: 08/03/2011 09:34
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	9,330	mg/kg	10	410.4	08/16/11 18:13	MJC		
Nitrate-N	5	mg/kg	4	300.0	08/15/11 12:14	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	4	300.0	08/15/11 12:14	JDP	14797-65-0	
TOC	0.28	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	292	mg/kg	1	4500-N(org)/NH3	08/09/11 17:14	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.43	mg/kg	0.10	6020	08/09/11 16:05	SLS	7440-38-2	
Barium	21.4	mg/kg	1.0	6020	08/09/11 16:05	SLS	7440-39-3	
Cadmium	0.05	mg/kg	0.20	6020	08/09/11 16:05	SLS	7440-43-9	b
Chromium	2.93	mg/kg	0.50	6020	08/09/11 16:05	SLS	7440-47-3	
Copper	0.4	mg/kg	1.0	6020	08/10/11 13:48	SLS	7440-50-8	b
Iron	3,450	mg/kg	3.4	6020	08/10/11 13:48	SLS	7439-89-6	
Lead	11.1	mg/kg	0.30	6020	08/09/11 16:05	SLS	7439-92-1	
Selenium	0.21	mg/kg	0.50	6020	08/09/11 16:05	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 16:18	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-35-4	
Methylene chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	156-59-2	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.14 (continued)
Sample Tag: SB-34-080311-4-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	56-23-5	
Benzene	1.78	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	107-06-2	
Trichloroethene	33.93	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	10061-01-5	
Toluene	2.59	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	100-41-4	
p,m-Xylene	0.98	ug/kg	12	Low 5035/8260B	08/12/11 16:18	WAT		J
o-Xylene	0.46	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:18	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.15
Sample Tag: SB-32-080311-12-14.5
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	3,610	mg/kg	10	410.4	08/16/11 18:13	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:01	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:01	JDP	14797-65-0	
TOC	0.12	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	144	mg/kg	1	4500-N(org)/NH3	08/09/11 17:30	MJC		
Total Solids	84	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	0.53	mg/kg	0.10	6020	08/09/11 16:08	SLS	7440-38-2	
Barium	9.5	mg/kg	1.0	6020	08/09/11 16:08	SLS	7440-39-3	
Cadmium	0.04	mg/kg	0.20	6020	08/09/11 16:08	SLS	7440-43-9	b
Chromium	0.94	mg/kg	0.50	6020	08/09/11 16:08	SLS	7440-47-3	
Copper	0.4	mg/kg	1.0	6020	08/10/11 13:51	SLS	7440-50-8	b
Iron	1,240	mg/kg	4	6020	08/10/11 13:51	SLS	7439-89-6	
Lead	2.32	mg/kg	0.30	6020	08/09/11 16:08	SLS	7439-92-1	
Selenium	0.15	mg/kg	0.50	6020	08/09/11 16:08	SLS	7782-49-2	b
Organics - Volatiles								
TICs	None Found			8260B	08/12/11 16:37	JGH		
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	76-13-1	
Acetone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	67-64-1	
Carbon disulfide	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-15-0	
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-35-4	
Methylene chloride	0.54	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-34-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.15 (continued)
Sample Tag: SB-32-080311-12-14.5

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
cis-1,2-Dichloroethene	34.51	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	71-55-6	
Cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	56-23-5	
Benzene	1.67	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	107-06-2	
Trichloroethene	19.28	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	10061-01-5	
Toluene	2.62	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-00-5	
Tetrachloroethene	45.34	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	79-34-5	
Ethylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	100-41-4	
p,m-Xylene	Not detected	ug/kg	12	Low 5035/8260B	08/12/11 16:37	WAT		
o-Xylene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	95-47-6	
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	98-82-8	
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:37	WAT	120-82-1	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.16
Sample Tag: SB-26-080311-13-15
Collected Date/Time: 08/03/2011 11:05
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	7,490	mg/kg	10	410.4	08/16/11 18:14	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:12	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:12	JDP	14797-65-0	
TOC	0.26	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	289	mg/kg	1	4500-N(org)/NH3	08/09/11 17:38	MJC		
Total Solids	87	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	1.87	mg/kg	0.10	6020	08/09/11 16:10	SLS	7440-38-2	
Barium	22.3	mg/kg	1.0	6020	08/09/11 16:10	SLS	7440-39-3	
Cadmium	Not detected	mg/kg	0.20	6020	08/09/11 16:10	SLS	7440-43-9	
Chromium	2.34	mg/kg	0.50	6020	08/09/11 16:10	SLS	7440-47-3	
Copper	Not detected	mg/kg	1.0	6020	08/10/11 13:53	SLS	7440-50-8	
Iron	2,690	mg/kg	3.6	6020	08/10/11 13:53	SLS	7439-89-6	
Lead	8.22	mg/kg	0.30	6020	08/09/11 16:10	SLS	7439-92-1	
Selenium	0.16	mg/kg	0.50	6020	08/09/11 16:10	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	76-13-1	
Acetone	14.1	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	67-64-1	
Carbon disulfide	0.75	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-15-0	J
Methyl Acetate	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-71-8	
Chloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	74-87-3	
Vinyl chloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-01-4	
Bromomethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	74-83-9	
Chloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-35-4	
Methylene chloride	1.32	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-34-3	
cis-1,2-Dichloroethene	30.19	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	156-59-2	
Chloroform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	67-66-3	

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Lab Sample ID: S49576.16 (continued)
Sample Tag: SB-26-080311-13-15

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	71-55-6	
Cyclohexane	4.2	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	110-82-7	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-10-1	
2-Hexanone	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	56-23-5	
Benzene	1.90	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	71-43-2	J
1,2-Dichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	107-06-2	
Trichloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-27-4	
Methyl cyclohexane	8.34	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	10061-01-5	
Toluene	2.53	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	106-93-4	
Chlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	79-34-5	
Ethylbenzene	0.81	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	100-41-4	J
p,m-Xylene	1.38	ug/kg	12	Low 5035/8260B	08/12/11 16:56	WAT		J
o-Xylene	1.15	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	95-47-6	J
Styrene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	100-42-5	
Isopropylbenzene	1.15	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	98-82-8	J
Bromoform	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/kg	6	Low 5035/8260B	08/12/11 16:56	WAT	120-82-1	
TICs Volatiles								
TICs	Completed			8260B	08/12/11 16:56	JGH		
Benzene, 2-ethyl-1,3-dimethyl	Found			8260B	08/12/11 16:56	JGH		
1-Methylnaphthalene	Found			8260B	08/12/11 16:56	JGH	90-12-0	
1H-Indene, 2,3-dihydro-1,3-dimethyl	Found			8260B	08/12/11 16:56	JGH		
Benzene, 2-butenyl	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-methyl-3-(1-methylethyl)-	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-methyl-2-propyl-	Found			8260B	08/12/11 16:56	JGH		
1H-Indene, 2,3-dihydro-1,2-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
1H-Indene, 2,3-dihydro-4,7-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
Benzene, 1-ethyl-2,3-dimethyl-	Found			8260B	08/12/11 16:56	JGH		
Naphthalene	Found			8260B	08/12/11 16:56	JGH	91-20-3	

J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.17
Sample Tag: SB-26-080311-6-8
Collected Date/Time: 08/03/2011 11:05
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			3050B	08/09/11 01:00	SLR		
Inorganics								
COD	15,300	mg/kg	100	410.4	08/16/11 18:14	MJC		
Nitrate-N	Not detected	mg/kg	5	300.0	08/15/11 13:24	JDP	14797-55-8	
Nitrite-N	Not detected	mg/kg	5	300.0	08/15/11 13:24	JDP	14797-65-0	
TOC	0.45	%	0.10	Walkley-Black	08/16/11 16:05	Trmx		O
Total Kjeldahl Nitrogen	523	mg/kg	1	4500-N(org)/NH3	08/09/11 17:47	MJC		
Total Solids	78	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Metals								
Arsenic	2.19	mg/kg	0.10	6020	08/09/11 16:13	SLS	7440-38-2	
Barium	63.6	mg/kg	1.0	6020	08/09/11 16:13	SLS	7440-39-3	
Cadmium	0.06	mg/kg	0.20	6020	08/09/11 16:13	SLS	7440-43-9	b
Chromium	2.79	mg/kg	0.50	6020	08/09/11 16:13	SLS	7440-47-3	
Copper	52.0	mg/kg	1.0	6020	08/10/11 13:55	SLS	7440-50-8	
Iron	4,170	mg/kg	4.1	6020	08/10/11 13:55	SLS	7439-89-6	
Lead	17.6	mg/kg	0.30	6020	08/09/11 16:13	SLS	7439-92-1	
Selenium	0.48	mg/kg	0.50	6020	08/09/11 16:13	SLS	7782-49-2	b
Organics - Volatiles								
TCL Volatile Organics HighLevl 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	76-13-1	YX
Acetone	Not detected	ug/kg	2,300	5035/8260B	08/12/11 21:02	JGH	67-64-1	YX
Carbon disulfide	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-15-0	YX
Methyl Acetate	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	79-20-9	YX
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	1634-04-4	YX
2-Butanone (MEK)	Not detected	ug/kg	2,300	5035/8260B	08/12/11 21:02	JGH	78-93-3	YX
Dichlorodifluoromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-71-8	YX
Chloromethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	74-87-3	YX
Vinyl chloride	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	75-01-4	YX
Bromomethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	74-83-9	YX
Chloroethane	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-00-3	YX
Trichlorofluoromethane	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	75-69-4	YX
1,1-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-35-4	YX
Methylene chloride	Not detected	ug/kg	800	5035/8260B	08/12/11 21:02	JGH	75-09-2	YX
trans-1,2-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	156-60-5	YX
1,1-Dichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-34-3	YX
cis-1,2-Dichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	156-59-2	YX
Chloroform	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	67-66-3	YX

O-Analysis performed by outside laboratory.See attached report.
b-Value detected less than reporting limit, but greater than MDL
Y-Elevated reporting limit due to high target concentration X-Elevated reporting limit due to matrix interference

LW-11/9/11

Lab Sample ID: S49576.17 (continued)
Sample Tag: SB-26-080311-6-8

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics HighLevl 5035/8260 (continued)								
1,1,1-Trichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	71-55-6	YX
Cyclohexane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	110-82-7	YX
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	108-10-1	YX
2-Hexanone	Not detected	ug/kg	8,000	5035/8260B	08/12/11 21:02	JGH	591-78-6	YX
Carbon tetrachloride	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	56-23-5	YX
Benzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	71-43-2	YX
1,2-Dichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	107-06-2	YX
Trichloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	79-01-6	YX
1,2-Dichloropropane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	78-87-5	YX
Bromodichloromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-27-4	YX
Methyl cyclohexane	266	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-87-2	YX
cis-1,3-Dichloropropene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	10061-01-5	YX
Toluene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-88-3	YX
trans-1,3-Dichloropropene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	10061-02-6	YX
1,1,2-Trichloroethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	79-00-5	YX
Tetrachloroethene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	127-18-4	YX
Dibromochloromethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	124-48-1	YX
1,2-Dibromoethane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	106-93-4	YX
Chlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	108-90-7	YX
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	2,000	5035/8260B	08/12/11 21:02	JGH	79-34-5	YX
Ethylbenzene	881	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	100-41-4	YX
p,m-Xylene	924	ug/kg	200	5035/8260B	08/12/11 21:02	JGH		YX
o-Xylene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	95-47-6	YX
Styrene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	100-42-5	YX
Isopropylbenzene	528	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	98-82-8	YX
Bromoform	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	75-25-2	YX
1,3-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	541-73-1	YX
1,4-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	106-46-7	YX
1,2-Dichlorobenzene	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	95-50-1	YX
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	200	5035/8260B	08/12/11 21:02	JGH	96-12-8	YX
1,2,4-Trichlorobenzene	Not detected	ug/kg	300	5035/8260B	08/12/11 21:02	JGH	120-82-1	YX
TICs Volatiles								
TICs	Completed			8260B	08/12/11 21:02	JGH		
1,2,4-Trimethylbenzene	Found			8260B	08/12/11 21:02	JGH	95-63-6	
1,2,3-Trimethylbenzene	Found			8260B	08/12/11 21:02	JGH	526-73-8	
Naphthalene	Found			8260B	08/12/11 21:02	JGH	91-20-3	
2-Methylnaphthalene	Found			8260B	08/12/11 21:02	JGH	91-57-6	
1-Methylnaphthalene	Found			8260B	08/12/11 21:02	JGH	90-12-0	
Benzene, 2-ethyl-1,4-dimethyl-	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-ethyl-2-methyl-	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1,4-diethyl	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-ethyl-2,4-dimethyl	Found			8260B	08/12/11 21:02	JGH		
Benzene, 1-methyl-4-propyl	Found			8260B	08/12/11 21:02	JGH		

Y-Elevated reporting limit due to high target concentration X-Elevated reporting limit due to matrix interference

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.18
Sample Tag: SB-38-080311-6-8
Collected Date/Time: 08/03/2011 12:00
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	53-70-3	
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	84-66-2	

NJ

LW-11/9/11

Lab Sample ID: S49576.18 (continued)
Sample Tag: SB-38-080311-6-8

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	430	ug/kg	330	8270C	08/12/11 14:30	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 14:30	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 14:30	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 14:30	PL	88-06-2	
TICs Semi-Volatiles								
TICs	Completed			8270C	08/12/11 14:30	PL		
Pentadecane, 2,6,10,14- tetramethyl-	Completed			8270C	08/12/11 14:30	PL		
Nonane, 4-methyl-	Completed			8270C	08/12/11 14:30	PL		
Cyclohexane, (2-methylpropyl)	Completed			8270C	08/12/11 14:30	PL		
Nonane, 3,7-dimethyl-	Completed			8270C	08/12/11 14:30	PL		
Cyclohexane, 1-methyl-2-propyl-	Completed			8270C	08/12/11 14:30	PL		
Decane, 4-methyl-	Completed			8270C	08/12/11 14:30	PL		
Decane, 5-methyl-	Completed			8270C	08/12/11 14:30	PL		
Undecane, 5,6-dimethyl-	Completed			8270C	08/12/11 14:30	PL		
Decane	Completed			8270C	08/12/11 14:30	PL	124-18-5	
Decane, 2-methyl-	Completed			8270C	08/12/11 14:30	PL		

B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.19
Sample Tag: SB-39-080311-2-4
Collected Date/Time: 08/03/2011 12:40
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	78	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 21:16	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	53-70-3	

LW-11/9/11

Lab Sample ID: S49576.19 (continued)
Sample Tag: SB-39-080311-2-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	350	ug/kg	330	8270C	08/12/11 21:16	PL	117-81-7	B
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 21:16	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 21:16	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 21:16	PL	88-06-2	

B-Compound also found in associated method blank

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.20
Sample Tag: SB-40-080311-4-6
Collected Date/Time: 08/03/2011 11:40
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	83	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 15:03	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	53-70-3	

LW-11/9/11

Lab Sample ID: S49576.20 (continued)
Sample Tag: SB-40-080311-4-6

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 15:03	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 15:03	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:03	PL	88-06-2	

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.21
Sample Tag: SB-41-080311-2-4
Collected Date/Time: 08/03/2011 14:00
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Extraction / Prep.								
BNA Extraction	Completed			3550B	08/09/11 15:23	DLR		
Inorganics								
Total Solids	75	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Semi-Volatiles								
TICs	None Found			8270C	08/12/11 15:37	PL		
TCL Semi-Volatile Organics								
Acenaphthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	83-32-9	
Acenaphthylene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	208-96-8	
Acetophenone	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	98-86-2	
Anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	120-12-7	
Atrazine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	1912-24-9	
1,1'-Biphenyl	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	92-52-4	
4-Bromophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	101-55-3	
di-n-Butyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	84-74-2	
Benzaldehyde	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	100-52-7	
Benzo(a)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	205-99-2	
Benzo(ghi)perylene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	191-24-2	
Benzo(k)fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	207-08-9	
Butyl benzyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	85-68-7	
2-Chloronaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-58-7	
2-Chlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-57-8	
4-Chloro-3-methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	59-50-7	
4-Chloroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	106-47-8	
4-Chlorophenyl phenyl ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	7005-72-3	
Caprolactam	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	105-60-2	
Carbazole	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-74-8	
bis(2-Chloroethoxy)methane	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	111-91-1	
bis(2-Chloroethyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	111-44-4	
bis(2-Chloroisopropyl)ether	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	108-60-1	
Chrysene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	218-01-9	
2,4-Dichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	120-83-2	
2,4-Dimethylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	105-67-9	
2,4-Dinitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	51-28-5	
2,4-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	121-14-2	
2,6-Dinitrotoluene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	606-20-2	
3,3'-Dichlorobenzidine	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	91-94-1	
4,6-Dinitro-2-methylphenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	534-52-1	
Dibenzo(ah)anthracene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	53-70-3	

LW-11/9/11

Lab Sample ID: S49576.21 (continued)
Sample Tag: SB-41-080311-2-4

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Semi-Volatiles (continued)								
TCL Semi-Volatile Organics (continued)								
Dibenzofuran	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	132-64-9	
Diethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	84-66-2	
Dimethyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	131-11-3	
bis(2-Ethylhexyl)phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	117-81-7	
Fluoranthene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	206-44-0	
Fluorene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-73-7	
Hexachlorobenzene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	118-74-1	
Hexachlorobutadiene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	87-68-3	
Hexachlorocyclopentadiene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	77-47-4	
Hexachloroethane	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	193-39-5	
Isophorone	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	78-59-1	
2-Methylnaphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-57-6	
2-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-48-7	
3-, 4-Methylphenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	3/4-Cresol	
2-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	88-74-4	
2-Nitrophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	88-75-5	
3-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	99-09-2	
4-Nitroaniline	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	100-01-6	
4-Nitrophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	100-02-7	
N-Nitrosodi-n-propylamine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	621-64-7	
N-Nitrosodiphenylamine	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	86-30-6	
Naphthalene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	91-20-3	
Nitrobenzene	Not detected	ug/kg	200	8270C	08/12/11 15:37	PL	98-95-3	
di-n-Octyl phthalate	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	117-84-0	
Pentachlorophenol	Not detected	ug/kg	670	8270C	08/12/11 15:37	PL	87-86-5	
Phenanthrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	85-01-8	
Phenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	108-95-2	
Pyrene	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	129-00-0	
2,4,5-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	95-95-4	
2,4,6-Trichlorophenol	Not detected	ug/kg	330	8270C	08/12/11 15:37	PL	88-06-2	

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.22
Sample Tag: EB-SB-41-080311
Collected Date/Time: 08/03/2011 13:08
Matrix: Water
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:32	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:32	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:32	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:32	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:32	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-71-8	
Chloromethane	0.290	ug/L	1	8260B	08/04/11 15:32	WAT	74-87-3	J
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 15:32	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-35-4	
Methylene chloride	0.58	ug/L	5	8260B	08/04/11 15:32	WAT	75-09-2	J
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:32	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:32	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:32	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	100-41-4	

LW-11/9/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.22 (continued)
Sample Tag: EB-SB-41-080311

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	541-73-1	
1,4-Dichlorobenzene	0.060	ug/L	1	8260B	08/04/11 15:32	WAT	106-46-7	~~BJ~~
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:32	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:32	WAT	120-82-1	

B-Compound also found in associated method blank J-Estimated value less than reporting limit, but greater than MDL

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.23
Sample Tag: SB-32-080311-12-14.5 MS
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	267.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	76-13-1	1
Acetone	334.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	67-64-1	1
Carbon disulfide	306.71	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-15-0	1
Methyl Acetate	298.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-20-9	1
tert-Methyl butyl ether (MTBE)	336.05	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	1634-04-4	1
2-Butanone (MEK)	306.2	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	78-93-3	1
Dichlorodifluoromethane	185.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-71-8	1
Chloromethane	256.22	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	74-87-3	1
Vinyl chloride	269.87	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-01-4	1
Bromomethane	326.1	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	74-83-9	1
Chloroethane	332.7	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-00-3	1
Trichlorofluoromethane	312.40	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-69-4	1
1,1-Dichloroethene	296.72	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-35-4	1
Methylene chloride	315.08	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-09-2	1
trans-1,2-Dichloroethene	312.58	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	156-60-5	1
1,1-Dichloroethane	317.92	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-34-3	1
cis-1,2-Dichloroethene	326.70	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	156-59-2	1
Chloroform	324.60	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	67-66-3	1
1,1,1-Trichloroethane	325.30	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	71-55-6	1
Cyclohexane	247.3	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	110-82-7	1
4-Methyl-2-pentanone (MIBK)	318.0	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-10-1	1
2-Hexanone	320.0	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	591-78-6	1
Carbon tetrachloride	291.95	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	56-23-5	1
Benzene	296.54	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	71-43-2	1
1,2-Dichloroethane	297.41	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	107-06-2	1
Trichloroethene	311.13	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-01-6	1
1,2-Dichloropropane	308.98	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	78-87-5	1
Bromodichloromethane	295.85	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-27-4	1
Methyl cyclohexane	269.58	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-87-2	1
cis-1,3-Dichloropropene	293.29	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	10061-01-5	1
Toluene	296.31	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-88-3	1
trans-1,3-Dichloropropene	302.53	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	10061-02-6	1
1,1,2-Trichloroethane	312.93	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-00-5	1
Tetrachloroethene	274.81	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	127-18-4	1
Dibromochloromethane	305.66	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	124-48-1	1
1,2-Dibromoethane	312.64	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	106-93-4	1
Chlorobenzene	294.28	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	108-90-7	1
1,1,2,2-Tetrachloroethane	306.36	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	79-34-5	1

LW-11/9/11

1-Spiked at 0.25mg/kg dry weight

Lab Sample ID: S49576.23 (continued)
Sample Tag: SB-32-080311-12-14.5 MS

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Ethylbenzene	294.16	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	100-41-4	1
p,m-Xylene	594.89	ug/kg	12	Low 5035/8260B	08/12/11 18:14	WAT		1
o-Xylene	308.16	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	95-47-6	1
Styrene	292.01	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	100-42-5	1
Isopropylbenzene	300.38	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	98-82-8	1
Bromoform	315.37	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	75-25-2	1
1,3-Dichlorobenzene	295.90	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	541-73-1	1
1,4-Dichlorobenzene	288.29	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	106-46-7	1
1,2-Dichlorobenzene	299.68	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	95-50-1	1
1,2-Dibromo-3-chloropropane	349.47	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	96-12-8	1
1,2,4-Trichlorobenzene	278.12	ug/kg	6	Low 5035/8260B	08/12/11 18:14	WAT	120-82-1	1

1-Spiked at 0.25mg/kg dry weight

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.24
Sample Tag: SB-32-080311-12-14.5 MSD
Collected Date/Time: 08/03/2011 10:10
Matrix: Soil
COC Reference: 63687

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Inorganics								
Total Solids	86	%	1	Std M 2540 B	08/05/11 12:00	DJS		
Organics - Volatiles								
TCL Volatile Organics LowLevel 5035/8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	284.3	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	76-13-1	1
Acetone	343.1	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	67-64-1	1
Carbon disulfide	329.19	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-15-0	1
Methyl Acetate	317.6	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-20-9	1
tert-Methyl butyl ether (MTBE)	355.51	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	1634-04-4	1
2-Butanone (MEK)	322.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	78-93-3	1
Dichlorodifluoromethane	197.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-71-8	1
Chloromethane	269.18	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	74-87-3	1
Vinyl chloride	303.98	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-01-4	1
Bromomethane	339.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	74-83-9	1
Chloroethane	354.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-00-3	1
Trichlorofluoromethane	332.33	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-69-4	1
1,1-Dichloroethene	313.86	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-35-4	1
Methylene chloride	334.60	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-09-2	1
trans-1,2-Dichloroethene	333.09	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	156-60-5	1
1,1-Dichloroethane	338.26	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-34-3	1
cis-1,2-Dichloroethene	455.68	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	156-59-2	1
Chloroform	349.06	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	67-66-3	1
1,1,1-Trichloroethane	349.94	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	71-55-6	1
Cyclohexane	263.8	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	110-82-7	1
4-Methyl-2-pentanone (MIBK)	333.7	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-10-1	1
2-Hexanone	321.0	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	591-78-6	1
Carbon tetrachloride	308.86	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	56-23-5	1
Benzene	309.27	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	71-43-2	1
1,2-Dichloroethane	311.76	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	107-06-2	1
Trichloroethene	355.05	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-01-6	1
1,2-Dichloropropane	319.96	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	78-87-5	1
Bromodichloromethane	315.19	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-27-4	1
Methyl cyclohexane	280.80	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-87-2	1
cis-1,3-Dichloropropene	310.08	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	10061-01-5	1
Toluene	307.06	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-88-3	1
trans-1,3-Dichloropropene	317.57	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	10061-02-6	1
1,1,2-Trichloroethane	324.66	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-00-5	1
Tetrachloroethene	354.24	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	127-18-4	1
Dibromochloromethane	326.75	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	124-48-1	1
1,2-Dibromoethane	332.16	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	106-93-4	1
Chlorobenzene	305.61	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	108-90-7	1
1,1,2,2-Tetrachloroethane	323.97	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	79-34-5	1

LW-11/9/11

1-Spiked at 0.25mg/kg dry weight

Lab Sample ID: S49576.24 (continued)
Sample Tag: SB-32-080311-12-14.5 MSD

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics LowLevel 5035/8260 (continued)								
Ethylbenzene	308.34	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	100-41-4	1
p,m-Xylene	615.51	ug/kg	12	Low 5035/8260B	08/12/11 18:33	WAT		1
o-Xylene	318.85	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	95-47-6	1
Styrene	302.24	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	100-42-5	1
Isopropylbenzene	309.61	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	98-82-8	1
Bromoform	337.27	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	75-25-2	1
1,3-Dichlorobenzene	312.46	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	541-73-1	1
1,4-Dichlorobenzene	302.64	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	106-46-7	1
1,2-Dichlorobenzene	322.05	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	95-50-1	1
1,2-Dibromo-3-chloropropane	373.82	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	96-12-8	1
1,2,4-Trichlorobenzene	290.56	ug/kg	6	Low 5035/8260B	08/12/11 18:33	WAT	120-82-1	1

1-Spiked at 0.25mg/kg dry weight

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.25
Sample Tag: Trip Blank 2
Collected Date/Time: 08/02/2011 00:01
Matrix: Water
COC Reference: 63688

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 15:50	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 15:50	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 15:50	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	78-93-3	
Dichlorodifluoromethane UJ	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-01-4	
Bromomethane UJ	Not detected	ug/L	2	8260B	08/04/11 15:50	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/04/11 15:50	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 15:50	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 15:50	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 15:50	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	10061-01-5	
Toluene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	108-88-3	
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	100-41-4	
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT		

LW-11/9/11

Lab Sample ID: S49576.25 (continued)
Sample Tag: Trip Blank 2

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 15:50	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 15:50	WAT	120-82-1	

LW-11/9/11

Analytical Laboratory Report

Lab Sample ID: S49576.26
Sample Tag: Trip Blank 3
Collected Date/Time: 08/02/2011 00:01
Matrix: Water
COC Reference: 63688

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	HCL	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles								
TICs	None Found			8260B	08/04/11 16:08	JGH		
TCL Volatile Organics 8260								
1,1,2-Trichloro-1,2,2-trifluoroethane	Not detected	ug/L	30	8260B	08/04/11 16:08	WAT	76-13-1	
Acetone	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	67-64-1	
Carbon disulfide	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	75-15-0	
Methyl Acetate	Not detected	ug/L	10	8260B	08/04/11 16:08	WAT	79-20-9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	1634-04-4	
2-Butanone (MEK)	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	78-93-3	
Dichlorodifluoromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-71-8	
Chloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	74-87-3	
Vinyl chloride	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-01-4	
Bromomethane	Not detected	ug/L	2	8260B	08/04/11 16:08	WAT	74-83-9	
Chloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-00-3	
Trichlorofluoromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-69-4	
1,1-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-35-4	
Methylene chloride	Not detected	ug/L	5	8260B	08/04/11 16:08	WAT	75-09-2	
trans-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	156-60-5	
1,1-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-34-3	
cis-1,2-Dichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	156-59-2	
Chloroform	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	67-66-3	
1,1,1-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	71-55-6	
Cyclohexane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	110-82-7	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	10	8260B	08/04/11 16:08	WAT	108-10-1	
2-Hexanone	Not detected	ug/L	50	8260B	08/04/11 16:08	WAT	591-78-6	
Carbon tetrachloride	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	56-23-5	
Benzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	71-43-2	
1,2-Dichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	107-06-2	
Trichloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-01-6	
1,2-Dichloropropane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	78-87-5	
Bromodichloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-27-4	
Methyl cyclohexane	Not detected	ug/L	20	8260B	08/04/11 16:08	WAT	108-87-2	
cis-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	10061-01-5	
Toluene	0.080	ug/L	1	8260B	08/04/11 16:08	WAT	108-88-3	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	10061-02-6	
1,1,2-Trichloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-00-5	
Tetrachloroethene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	127-18-4	
Dibromochloromethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	124-48-1	
1,2-Dibromoethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	106-93-4	
Chlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	108-90-7	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	79-34-5	
Ethylbenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	100-41-4	

LW-11/9/11

J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S49576.26 (continued)
Sample Tag: Trip Blank 3

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	CAS #	Flags
Organics - Volatiles (continued)								
TCL Volatile Organics 8260 (continued)								
p,m-Xylene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT		
o-Xylene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	95-47-6	
Styrene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	100-42-5	
Isopropylbenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	98-82-8	
Bromoform	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	75-25-2	
1,3-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	541-73-1	
1,4-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	106-46-7	
1,2-Dichlorobenzene	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	95-50-1	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	1	8260B	08/04/11 16:08	WAT	96-12-8	
1,2,4-Trichlorobenzene	Not detected	ug/L	2	8260B	08/04/11 16:08	WAT	120-82-1	

LW-11/9/11

Quality Control Cover Page

Report ID: S49576.01(01)
Report Date: 08/19/2011
Project: 47362/ 24 Seneca
Lab Sample ID(s): S49576.01-S49576.26

Report to:

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Sample ID	Sample Tag	Collected	Matrix	Analysis Departments
S49576.01	SB-25-080211-10-12	08/02/2011 09:30	Soil	Extraction / Prep., Inorganics, Metals,
S49576.02	SB-27-080211-10-12	08/02/2011 10:22	Soil	Extraction / Prep., Inorganics, Metals,
S49576.03	SB-28-080211-12-13.5	08/02/2011 11:24	Soil	Extraction / Prep., Inorganics, Metals,
S49576.04	SB-29-080211-12-13.7	08/02/2011 12:07	Soil	Extraction / Prep., Inorganics, Metals,
S49576.05	EB-SB-29-080211	08/02/2011 12:25	Water	Extraction / Prep., Organics
S49576.06	SB-36-080211-12-13.3	08/02/2011 14:00	Soil	Extraction / Prep., Inorganics, Metals,
S49576.07	SB-35-080211-12-13.5	08/02/2011 14:55	Soil	Extraction / Prep., Inorganics, Metals,
S49576.08	SB-33-080211-10-12	08/02/2011 15:30	Soil	Extraction / Prep., Inorganics, Metals,
S49576.09	SB-33-080211-12-13.1	08/02/2011 15:30	Soil	Extraction / Prep., Inorganics, Metals,
S49576.10	SB-31-080211-12-13.4	08/02/2011 16:40	Soil	Extraction / Prep., Inorganics, Metals,
S49576.11	DUP-080211	08/02/2011 08:00	Soil	Extraction / Prep., Inorganics, Organics, Other
S49576.12	DUP-080311	08/03/2011 09:00	Soil	Inorganics, Organics
S49576.13	SB-30-080311-12-13.5	08/03/2011 08:45	Soil	Extraction / Prep., Inorganics, Metals,
S49576.14	SB-34-080311-4-6	08/03/2011 09:34	Soil	Extraction / Prep., Inorganics, Metals,
S49576.15	SB-32-080311-12-14.5	08/03/2011 10:10	Soil	Extraction / Prep., Inorganics, Metals,
S49576.16	SB-26-080311-13-15	08/03/2011 11:05	Soil	Extraction / Prep., Inorganics, Metals,
S49576.17	SB-26-080311-6-8	08/03/2011 11:05	Soil	Extraction / Prep., Inorganics, Metals,
S49576.18	SB-38-080311-6-8	08/03/2011 12:00	Soil	Extraction / Prep., Inorganics, Organics
S49576.19	SB-39-080311-2-4	08/03/2011 12:40	Soil	Extraction / Prep., Inorganics, Organics
S49576.20	SB-40-080311-4-6	08/03/2011 11:40	Soil	Extraction / Prep., Inorganics, Organics
S49576.21	SB-41-080311-2-4	08/03/2011 14:00	Soil	Extraction / Prep., Inorganics, Organics
S49576.22	EB-SB-41-080311	08/03/2011 13:08	Water	Organics
S49576.23	SB-32-080311-12-14.5 MS	08/03/2011 10:10	Soil	Inorganics, Organics
S49576.24	SB-32-080311-12-14.5 MSD	08/03/2011 10:10	Soil	Inorganics, Organics
S49576.25	Trip Blank 2	08/02/2011 00:01	Water	Organics
S49576.26	Trip Blank 3	08/02/2011 00:01	Water	Organics

This QC package, to the best of my knowledge, is in compliance with all technical and administrative requirements. If you have any questions, please do not hesitate to contact me at 517-332-0167 (ext. 14) or email me at mayamurshak@meritlabs.com.

Sincerely,

Maya Murshak
Technical Director

LW-11/9/11

Quality Control Report

Report ID: QC-S49576.01(01)
Generated on 08/29/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY 14604

Phone: 585-263-2820 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49576.01-S49576.26
Project: 47362/ 24 Seneca
Submitted Date/Time: 08/04/2011 10:00
Sampled by: Anthony DiNardo
P.O. #:

Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-27)
Prep Batch Summary (Pages 28-33)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified. Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

LW-11/9/11

QC Report - Analysis Summary

Lab Sample ID: S49576.01
Sample Tag: SB-25-080211-10-12
Collected Date/Time: 08/02/2011 09:30
Matrix: Soil
COC Reference: 63686

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Inorganics						
COD	410.4	08/16/11 18:08	COD110816	COD110816	No	BLK/LCS/MS/DUP
Nitrate-N	300.0	08/15/11 09:33	NTRA110815-S1	NTRA110815-S1	No	BLK/LCS/MS/MSD/DUP
Nitrite-N	300.0	08/15/11 09:33	NTRI110815-S1	NTRI110815-S1	No	BLK/LCS/MS/MSD/DUP
Total Kjeldahl Nitrogen	4500-N(org)/NH3	08/09/11 15:15	TKN110809	TKN110809	No	BLK/LCS/MS/DUP
Total Solids	Std M 2540 B	08/05/11 12:00	TS110805A	TS110805A	No	BLK/LCS/DUP
Metals						
Arsenic	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Barium	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Cadmium	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Chromium	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Copper	6020	08/10/11 13:15	MT3-11-0810A	MTD-080911-3	No	LCS/BLK/MS/MSD
Iron	6020	08/10/11 13:15	MT3-11-0810A	MTD-080911-3	No	LCS/BLK/MS/MSD
Lead	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Selenium	6020	08/09/11 15:21	MT3-11-0809B	MTD-080911-3	No	LCS/BLK/MS/MSD
Organics - Volatiles						
TCL Volatile Organics LowLevel 5035/8260	Low 5035/8260B	08/12/11 17:15	110812A6	VH110812S1	Yes	LCS/BLK/MS/MSD/LCS
TICs Volatiles	8260B	08/12/11 17:15	110812A6	VH110812S1	Yes	LCS/BLK/MS/MSD/LCS

LW-11/9/11

ATTACHMENT B

CASE NARRATIVE AND CHAIN OF CUSTODY

MERIT LABORATORIES, INC.
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CASE NARRATIVE
CLIENT: O'BRIEN & GERE
PROJECT: 47362/ 24 SENECA
Merit IDs: S49576.01-S49576.26

Field Sampling: Anthony DiNardo performed the fieldwork.

Analytical Bottles: All bottles were sent with the appropriate preservation in it. Please see the bottle list attached.

Sample Receiving: All samples were received by the laboratory on ice (08/04/2011). Dates and signatures can be found on the Chain of Custody Records. The sample receipts specify the actual tags and bottles received and logged into the laboratory "vlims" system.

ANALYSES

Metals: All metal analyses were performed according to Method 6020. The metal digestion was performed according to Method 3015A. The QC requirements were followed for this specific project and method-specified criteria were met.

Notes: Dilution test not applicable if measured concentration is less than 100 times MDL.

Outliers:
MT3-11-0809B

- The MS had low recovery for Chromium. Known addition was performed with all recoveries falling within control limits.
- The MS/MSD had high RPD for Lead.

Semivolatile Organics: The organic method utilized for this SDG was 8270C (GC/MS). The QC requirements were followed for this specific project and method-specified criteria were met.

Outliers:
Run-Batch Z110809

- The blank contained 0.7 ug/l of Acetophenone, 0.2 ug/l of Caprolactam, 0.1 ug/l of 4-Chloro-3-Methylphenol, 0.8 ug/l of di-N-butyl phthalate, and 0.9 ug/l of bis(2-Ethylhexyl) phthalate. All appropriate samples were flagged.
- The CCC had the compound 2,4-Dinitrophenol was outside of control limits.

LW-11/9/11

Run-Batch Z110811

- The LCS/LCSD had high RPD for the compound 2,4-Dinitrophenol.
- The blank contained 5.0 ug/kg of Caprolactam, 13.7 ug/kg of di-N-butyl phthalate, and 15.3 ug/kg of bis(2-Ethylhexyl)phthalate. Caprolactam, di-N-butyl phthalate, and bis(2-Ethylhexyl) phthalate not found in associated samples.
- The CCC had the compound 2,4-Dinitrophenol was outside of control limits.

Run-Batch Z110812

- The LCS/LCSD had high RPD for the compound 2,4-Dinitrophenol.
- The blank contained 10.7 ug/kg of di-N-butyl phthalate and 5.3 ug/kg of bis(2-Ethylhexyl) phthalate. All appropriate samples were flagged.
- The CCC had the compound 2,4-Dinitrophenol was outside of control limits.

Volatile Organics: The organic method utilized for this SDG was 8260B (GC/MS). The QC requirements were followed for this specific project and method-specified criteria were met.

Samples S49576.08, .09, .10, .11, .13, .14, .15, .23, and .24 had the surrogate 1,2-Dichloroethane-D4 outside of control limits in batch 110811A6. Samples S49576.08, .09, .10, .11, .13, .14, .15, .23, and .24 were re-run in batch 110812A6 and 110812B5 with all surrogates passing.

Sample S49576.09 was re-run in same batch (110812A6) because Tetrachloroethene was outside of calibration range.

Samples S49576.08, .12, and .17 were run from methanol extractions due to high target concentrations or matrix interference.

Outliers:
Run-Batch 110804A3

- The blank contained 0.05 ug/l of 1,3-Dichlorobenzene and 0.06 ug/l of 1,4-Dichlorobenzene. All appropriate samples were flagged.
- The CCC had the compounds Dichlorodifluoromethane, Bromomethane, and 1,1,1,2-Tetrachlororethane outside of control limits.

Run-Batch 110811A6

- The blank contained 0.1 ug/kg of Toluene. All appropriate samples were flagged.

LW-11/9/11

- The CCC had the compounds Bromomethane and Chlororethane outside of control limits.

Run-Batch 110812A6

- The MS/MSD had high RPD for the compounds cis-1,2-Dichloroethene and Tetrachloroethene.
- The MSD had high recovery for the compound cis-1,2-Dichloroethene.
- The blank contained 0.2 ug/kg of 1,2,4-Trichlorobenzene. 1,2,4-Trichlorobenzene was not found in associated samples.
- The CCC had the compounds Acetone and Bromomethane outside of control limits.

Run-Batch 110812B5

- The blank contained 12.5 ug/kg of 1,2,4-Trichlorobenzene. 1,2,4-Trichlorobenzene was not found in associated samples.
- The CCC had the compound Bromomethane outside of control limits.

TKN: The Total Kjeldahl Nitrogen analyses were performed according to Method 4500-N(org)B for digestion and method 4500-NH3 D for analysis. The QC requirements were followed for this specific project and method-specified criteria were met. *Outliers*: None

COD: The Chemical Oxygen Content analyses were performed according to Method 410.4. The QC requirements were followed for this specific project and method-specified criteria were met.

Outliers:

- The MS for .02 had low recovery.

Nitrate: All nitrate QC requirements were met according to the specifications in Method 300.0. *Outliers*: None

Nitrite: All nitrite QC requirements were met according to the specifications in Method 300.0. *Outliers*: None

Total Solids: All total solids QC requirements were met according to the specifications in Method 2540B. *Outliers*: None

TOC: All TOC analysis were subcontracted out to TriMatrix Laboratories. TriMatrix Laboratories data package is provided.

LW-11/9/11

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Data Reporting: The analytical reports are reflective of what is on a given Chain-of-Custody record (COC). Merit's IDs were assigned to the samples as they were delivered and accepted by our log-in staff.

"I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature."

09/06/11
Date

Barb Richardson
QA Officer

LW-11/9/11

Analytical Laboratory Report

Report ID: S49576.01(01)
Generated on 08/19/2011

Report to

Attention: Jeremy Wolf
O'Brien & Gere Engineers
400 Andrews St.
Suite 710
Rochester, NY14604

Phone: 585-263-2820 FAX:
Email: jeremy.wolf@obg.com

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S49576.01-S49576.26
Project: 47362/ 24 Seneca
Collected Date: 08/02/2011 - 08/03/2011
Submitted Date/Time: 08/04/2011 10:00
Sampled by: Anthony DiNardo
P.O. #:

Report Notes

Results relate only to items tested as received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
""Not detected"" indicates that parameter was not found at a level equal to or greater than the RL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

Laboratory Certifications:
Michigan DNRE (#9956), Ohio EPA (#CL0002), NELAC NY (#11814), NELAC FL (#E871045), WBENC (#2005110032)
Some analytes reported may not be certified.Full certification lists are available upon request.

Violetta F. Murshak
Laboratory Director

LW-11/9/11

Sample Summary (26 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S49576.01	SB-25-080211-10-12	Soil	08/02/2011 09:30
S49576.02	SB-27-080211-10-12	Soil	08/02/2011 10:22
S49576.03	SB-28-080211-12-13.5	Soil	08/02/2011 11:24
S49576.04	SB-29-080211-12-13.7	Soil	08/02/2011 12:07
S49576.05	EB-SB-29-080211	Water	08/02/2011 12:25
S49576.06	SB-36-080211-12-13.3	Soil	08/02/2011 14:00
S49576.07	SB-35-080211-12-13.5	Soil	08/02/2011 14:55
S49576.08	SB-33-080211-10-12	Soil	08/02/2011 15:30
S49576.09	SB-33-080211-12-13.1	Soil	08/02/2011 15:30
S49576.10	SB-31-080211-12-13.4	Soil	08/02/2011 16:40
S49576.11	DUP-080211	Soil	08/02/2011 08:00
S49576.12	DUP-080311	Soil	08/03/2011 09:00
S49576.13	SB-30-080311-12-13.5	Soil	08/03/2011 08:45
S49576.14	SB-34-080311-4-6	Soil	08/03/2011 09:34
S49576.15	SB-32-080311-12-14.5	Soil	08/03/2011 10:10
S49576.16	SB-26-080311-13-15	Soil	08/03/2011 11:05
S49576.17	SB-26-080311-6-8	Soil	08/03/2011 11:05
S49576.18	SB-38-080311-6-8	Soil	08/03/2011 12:00
S49576.19	SB-39-080311-2-4	Soil	08/03/2011 12:40
S49576.20	SB-40-080311-4-6	Soil	08/03/2011 11:40
S49576.21	SB-41-080311-2-4	Soil	08/03/2011 14:00
S49576.22	EB-SB-41-080311	Water	08/03/2011 13:08
S49576.23	SB-32-080311-12-14.5 MS	Soil	08/03/2011 10:10
S49576.24	SB-32-080311-12-14.5 MSD	Soil	08/03/2011 10:10
S49576.25	Trip Blank 2	Water	08/02/2011 00:01
S49576.26	Trip Blank 3	Water	08/02/2011 00:01

LW-11/9/11

DATA USABILITY SUMMARY REPORT

For

SENECA STREET ERP

SDG NO. H1230466

ORGANICS

Sampling Date: September 21, 2011

Submitted to:

O'Brien & Gere Engineers
Suite 400, Harro East Building
400 Andrews Street.
Rochester, NY 14604
(585) 263 2820

For

New York State Department of Environmental Conservation (NYSDEC)
Albany, New York

Prepared by:

Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Avenue
Pittsburgh PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
ORGANICS
USEPA REGION II

Site: 24 Seneca-ERP SDG #: H1230466

Client: O'Brien & Gere Engineers Date: September 21, 2011

Laboratory: Merit Labs Reviewer: L. Wright

Client ID	Laboratory ID	Matrix	VOA
SV-8-24SA-092111	H1230466-01	Air	X
SV-9-24SA-092111	H1230466-02	Air	X
SV-10-24SA-092111	H1230466-03	Air	X
SV-11-24SA-092111	H1230466-04	Air	X
SV-12-24SA-092111	H1230466-05	Air	X

The data package contained five (5) air samples. The samples were analyzed via Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air; Second Edition, EPA/625/R-96/010b, January 1999. The adherence of laboratory analytical performance to this method's Analytical Specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (NYSDEC, 10/02). USEPA Region II checklist SOP# HW-31 rev 4 October 2006 was used as a guidance document. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC) and Traffic Report: All were present.

Holding Time: Holding time was within acceptable criterion.

Calibration Quality Control: Results were acceptable.

Blanks Quality Control: Results are acceptable.

Laboratory Control Sample (LCS): The results were acceptable.

Field Quality Control: Results were acceptable.

Compound Quantitation: All were acceptable.

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues.

ATTACHMENT A

VALIDATED AND QUALIFIED DATA SHEETS (FORM 1s)

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 001	**Work Order #**	MMN341AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/26/2011	**Analysis Date...**	09/26/2011		
Prep Batch #....:	1269182				
Dilution Factor.:	104.33	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	8.3	ND	41
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	8.3	ND	58
Chloromethane	ND	21	ND	43
Vinyl chloride	ND	8.3	ND	21
Bromomethane	ND	8.3	ND	32
Chloroethane	ND	8.3	ND	22
Trichlorofluoromethane	ND	8.3	ND	47
1,1-Dichloroethene	ND	8.3	ND	33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	8.3	ND	64
Methylene chloride	ND	21	ND	72
1,1-Dichloroethane	ND	8.3	ND	34
cis-1,2-Dichloroethene	ND	8.3	ND	33
Chloroform	ND	8.3	ND	41
1,1,1-Trichloroethane	ND	8.3	ND	46
Carbon tetrachloride	ND	8.3	ND	53
Benzene	ND	8.3	ND	27
1,2-Dichloroethane	ND	8.3	ND	34
Trichloroethene	**1300**	**4.2**	**7100**	**22**
1,2-Dichloropropane	ND	8.3	ND	39
cis-1,3-Dichloropropene	ND	8.3	ND	38
Toluene	ND	8.3	ND	31
trans-1,3-Dichloropropene	ND	8.3	ND	38
1,1,2-Trichloroethane	ND	8.3	ND	46
Tetrachloroethene	ND	8.3	ND	57
1,2-Dibromoethane (EDB)	ND	8.3	ND	64
Chlorobenzene	ND	8.3	ND	38
Ethylbenzene	ND	8.3	ND	36
m-Xylene & p-Xylene	ND	8.3	ND	36
o-Xylene	ND	8.3	ND	36
Styrene	ND	8.3	ND	36
1,1,2,2-Tetrachloroethane	ND	8.3	ND	57
1,3,5-Trimethylbenzene	ND	8.3	ND	41
1,2,4-Trimethylbenzene	ND	8.3	ND	41
1,3-Dichlorobenzene	ND	8.3	ND	50
1,4-Dichlorobenzene	ND	8.3	ND	50
1,2-Dichlorobenzene	ND	8.3	ND	50
Benzyl chloride	ND	17	ND	86

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-8-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 001 **Work Order #** MMN341AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	8.3	ND	62
Hexachlorobutadiene	ND	8.3	ND	89

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 002 **Work Order #** MMN351AD **Matrix.....:** AIR

Date Sampled...: 09/21/2011 **Date Received..:** 09/23/2011
Prep Date.....: 09/27/2011 **Analysis Date...** 09/27/2011
Prep Batch #.....: 1270165
Dilution Factor.: 9.94 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.85**	**0.80**	**2.7**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.6**	**0.80**	**6.0**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	**0.94**	**0.80**	**6.4**	**5.4**
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-9-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 002 Work Order # MMN351AD Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 003	**Work Order #**	MMN361AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	10	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	4.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	ND	0.80	ND	3.9
1,1,1-Trichloroethane	ND	0.80	ND	4.4
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**1.4**	**0.80**	**4.5**	**2.6**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**2.0**	**0.80**	**7.4**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.4
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	**0.98**	**0.80**	**4.2**	**3.5**
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.3

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-10-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 003 **Work Order #** MMN361AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample #	H1I230466 - 004	**Work Order #**	MMN371AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	9.95	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	0.80	ND	3.9
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND	5.6
Chloromethane	ND	2.0	ND	4.1
Vinyl chloride	ND	0.80	ND	2.0
Bromomethane	ND	0.80	ND	3.1
Chloroethane	ND	0.80	ND	2.1
Trichlorofluoromethane	ND	0.80	ND	4.5
1,1-Dichloroethene	ND	0.80	ND	3.2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND	6.1
Methylene chloride	ND	2.0	ND	6.9
1,1-Dichloroethane	ND	0.80	ND	3.2
cis-1,2-Dichloroethene	ND	0.80	ND	3.2
Chloroform	**1.5**	**0.80**	**7.5**	**3.9**
1,1,1-Trichloroethane	ND	0.80	ND	4.3
Carbon tetrachloride	ND	0.80	ND	5.0
Benzene	**0.88**	**0.80**	**2.8**	**2.5**
1,2-Dichloroethane	ND	0.80	ND	3.2
Trichloroethene	ND	0.40	ND	2.1
1,2-Dichloropropane	ND	0.80	ND	3.7
cis-1,3-Dichloropropene	ND	0.80	ND	3.6
Toluene	**1.5**	**0.80**	**5.8**	**3.0**
trans-1,3-Dichloropropene	ND	0.80	ND	3.6
1,1,2-Trichloroethane	ND	0.80	ND	4.3
Tetrachloroethene	ND	0.80	ND	5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND	6.1
Chlorobenzene	ND	0.80	ND	3.7
Ethylbenzene	ND	0.80	ND	3.5
m-Xylene & p-Xylene	ND	0.80	ND	3.5
o-Xylene	ND	0.80	ND	3.5
Styrene	ND	0.80	ND	3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND	5.5
1,3,5-Trimethylbenzene	ND	0.80	ND	3.9
1,2,4-Trimethylbenzene	ND	0.80	ND	3.9
1,3-Dichlorobenzene	ND	0.80	ND	4.8
1,4-Dichlorobenzene	ND	0.80	ND	4.8
1,2-Dichlorobenzene	ND	0.80	ND	4.8
Benzyl chloride	ND	1.6	ND	8.2

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-11-24SA-092111

GC/MS Volatiles

Lot-Sample # H11230466 - 004 **Work Order #** MMN371AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	0.80	ND	5.9
Hexachlorobutadiene	ND	0.80	ND	8.5

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample #	H11230466 - 005	**Work Order #**	MMN381AD	**Matrix.....:**	AIR
Date Sampled...:	09/21/2011	**Date Received..:**	09/23/2011		
Prep Date.....:	09/27/2011	**Analysis Date...**	09/27/2011		
Prep Batch #.....:	1270165				
Dilution Factor.:	20.1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Dichlorodifluoromethane	ND	1.6	ND	8.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.6	ND	11
Chloromethane	ND	4.0	ND	8.3
Vinyl chloride	ND	1.6	ND	4.1
Bromomethane	ND	1.6	ND	6.2
Chloroethane	ND	1.6	ND	4.2
Trichlorofluoromethane	ND	1.6	ND	9.0
1,1-Dichloroethene	ND	1.6	ND	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.6	ND	12
Methylene chloride	ND	4.0	ND	14
1,1-Dichloroethane	ND	1.6	ND	6.5
cis-1,2-Dichloroethene	ND	1.6	ND	6.4
Chloroform	ND	1.6	ND	7.9
1,1,1-Trichloroethane	ND	1.6	ND	8.8
Carbon tetrachloride	ND	1.6	ND	10
Benzene	ND	1.6	ND	5.1
1,2-Dichloroethane	ND	1.6	ND	6.5
Trichloroethene	ND	0.80	ND	4.3
1,2-Dichloropropane	ND	1.6	ND	7.4
cis-1,3-Dichloropropene	ND	1.6	ND	7.3
Toluene	**2.2**	**1.6**	**8.4**	**6.1**
trans-1,3-Dichloropropene	ND	1.6	ND	7.3
1,1,2-Trichloroethane	ND	1.6	ND	8.8
Tetrachloroethene	ND	1.6	ND	11
1,2-Dibromoethane (EDB)	ND	1.6	ND	12
Chlorobenzene	ND	1.6	ND	7.4
Ethylbenzene	ND	1.6	ND	7.0
m-Xylene & p-Xylene	**2.5**	**1.6**	**11**	**7.0**
o-Xylene	ND	1.6	ND	7.0
Styrene	ND	1.6	ND	6.8
1,1,2,2-Tetrachloroethane	ND	1.6	ND	11
1,3,5-Trimethylbenzene	**14**	**1.6**	**67**	**7.9**
1,2,4-Trimethylbenzene	**29**	**1.6**	**140**	**7.9**
1,3-Dichlorobenzene	ND	1.6	ND	9.7
1,4-Dichlorobenzene	ND	1.6	ND	9.7
1,2-Dichlorobenzene	ND	1.6	ND	9.7
Benzyl chloride	ND	3.2	ND	17

lw-11-28-11

Merit Laboratories

Client Sample ID: SV-12-24SA-092111

GC/MS Volatiles

Lot-Sample # H1I230466 - 005 **Work Order #** MMN381AD **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2,4-Trichlorobenzene	ND	1.6	ND	12
Hexachlorobutadiene	ND	1.6	ND	17

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	120	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

lw-11-28-11

ATTACHMENT B

CASE NARRATIVE AND CHAIN OF CUSTODY

SAMPLE SUMMARY

H1I230466

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MMN34	001	SV-8-24SA-092111	09/21/11	14:17
MMN35	002	SV-9-24SA-092111	09/21/11	14:31
MMN36	003	SV-10-24SA-092111	09/21/11	14:43
MMN37	004	SV-11-24SA-092111	09/21/11	14:59
MMN38	005	SV-12-24SA-092111	09/21/11	15:26

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H1I230466

The results reported herein are applicable to the samples submitted for analysis only. If you have any questions about this report, please call (865) 291-3000 to speak with the TestAmerica project manager listed on the cover page.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Several samples were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

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