UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------CES Environmental

Sample Collection Date(s)-- 08/05/09 - 08/08/09

Contact---------- Guy Tidmore (6CI)

Report Date---------- 01/28/10

Project #---------- 09RCRA297

Work Order(s)----------0908013

Analyses included in this report:

ABN 8270 Routine List
ABN TCLP 1311/8270 Methylphenols-Combinate
ABN TCLP 1311/8270 Methylphenols-Leachate
Metals Ignitability 1020
Metals TCLP 1311 - Prep
Metals TCLP ICP 1311/6010B (Cd, Cr, Se, Ag)
Metals TCLP ICPMS 1311/6020
TCLP Metals Extraction
VOA 8260 Routine List
VOA TCLP 1311/8260 Benzene & PCE
VOA TCLP 1311/8260 Benzene & PCE-Filtrate
VOA TCLP 1311/8260 Benzene-Combinate
VOA TCLP 1311/8260 Benzene-Leachate
ABN TCLP 1311/8270 Methylphenols
ABN TCLP 1311/8270 Methylphenols-Filtrate
Metals ICP 6010B
Metals Mercury 7470A/7471A
Metals TCLP ICP 1311/6010B (Cd, Cr, Pb, Se, Ag)
Metals TCLP ICP 1311/6010B (Cr, Se, Ag)
TCLP 1311 ABN/Pest Prep
TCLP/ZHE Extraction
VOA TCLP 1311/8260 Benzene
VOA TCLP 1311/8260 Benzene & PCE-Combinate
VOA TCLP 1311/8260 Benzene & PCE-Leachate
VOA TCLP 1311/8260 Benzene-Filtrate

Report Narrative

Mercury:

Batch B9I0105:

Sample 0908013-01. The matrix spike is low; the result is qualified and may be biased low.

Batch B9I0106:

Sample 0908013-04. The matrix spike is low; the result is qualified and may be biased low.

Metals ICP-MS (TCLP):

9857568

Report Narrative (cont'd)

Batch B9I0202

MS1: Sample 0908013-25 has an elevated Silver spike recovery; the result is qualified and may be biased high.

Method Blank: Chromium is above the RL in the prep blank. The results are qualified and may be biased high.

Ignitability:

Samples 0908013-12, -16 and -17 were re-tested. The starting temperature of the re-test was lowered to 5° C (the upper test temperature remained 60° C). The results tested negative for ignitability. From the VOA analysis, it was noted that there was sufficient volatile organics in the sample to presume a positive result.

Metals ICP:

Batch B9I0201

BLK1: Iron is above the RL in the prep blank. However, the iron concentration in all samples exceeded that value by a factor of ten, therefore no flag required.

MS1/MSD1/MS2/MSD2: All samples, including QC required a 20X dilution, therefore no recovery calculations were made.

Batch B9I1001

BLK1: Iron and copper are above the RL in the prep blank. However, the iron and copper concentration in all samples exceeded that value by a factor of ten, therefore no flag required.

MSD1: RPD for all parameters except Iron and Chromium exceed 20%. Based on the aliquot taken, this calculation is unreliable.

Batch B9H2001

BLK1: Iron and copper are above the RL in the prep blank. However, the iron and copper concentration exceeded that value by a factor of ten, therefore no flag required.

BS1: Arsenic in this control is below the acceptance limits. Arsenic results are qualified and may be biased low. Iron is above the acceptance limits. Results are qualified and may be biased high.

BS2: Iron in this control is above acceptance limits. Results are qualified and may be biased high.

MS1/MSD1/MS2/MSD2: All samples required a 1:500 dilution, therefore no recovery calculations were made.

Report Narrative (cont'd)

Volatile analysis

Acetone, where reported, is qualified as estimated due to the failure of this analyte in the alternate source check for the calibration, CC failures, and/or BS failures.

Liquids:

The following analytes are qualified as low biased due to the failure of the CC that day of analysis:

2-Butanone - 0908013-01, 0908013-02, 0908013-05, 0908013-06, 0908013-12, and 0908013-15
Methyl acetate - 0908013-16 and 0908013-17

Cyclohexane is qualified as tentatively identified in several samples because a matching spectrum could not be obtained.

The surrogate BFB fails high in sample 0908013-02 due to a coelution.

Methyl acetate is qualified as blank related in samples 0908013-15 and 0908013-16, and Methylene Chloride is qualified as blank related in sample 0908013-23 due to the presence of these analytes in the associated analysis blank.

BS1 - 2-Hexanone fails low and was not found in the associated samples
BS2 - Four analytes fail low. One, Acetone, is already qualified as estimated. The others were not found in the associated samples.
BS3- Acetone fails low. This analyte is already qualified as estimated

MS/MSD - Acetone fails low in both. This analyte is already qualified as estimated in the source sample.

Non-aqueous liquids:

The x 500,000 dilution for sample 0908013-10 was reanalyzed outside holding time due to an error discovered during the review process. Those results are qualified as estimated.

Two surrogates fail low in sample 0908013-14. Toluene-d8 was suppressed due to the very high concentration of Toluene present. Toluene-d8 recovery was acceptable on the dilution where the aromatics are reported.

The surrogate Toluene-d8 fails high in sample 0908013-21 due to a coelution.

2-Butanone is qualified as high biased in sample 0908013-04 due to possible carryover in the analysis.

Acetone and 2-Butanone are qualified as estimated with a tentative identification in sample 0908013-11 due to coelutions. Matching spectra could not be obtained.

The reporting limit for Acetone was raised in several samples due to the low BS failures. This

Report Narrative (cont'd)

was done to ensure that non-detects are accurate.

The reporting limit for Chloroethane was raised in several samples due to purging of methanol in the analysis of non-aqueous liquids. This compound is known to recovery low and RLs were raised to ensure non-detects are accurate.

BS1, BS2 and BS3 - Acetone fails low. This analyte is already qualified as estimated or the reporting limit raised.
BS3 - Two additional analytes fail low but were not found in the associated samples.
BS4 - One additional analyte fails high but was not found in the associated samples.

MS/MSD - Chloroethane fails low in the MS/MSD due to purging of methanol. RLs were raised. One other analyte fails low and one other fails high in both. Neither were found in the source sample.

Semi-volatile analysis

Non-Aqueous Liquids:

4-Chloro-3-methylphenol is qualified as estimated in sample 0908013-22 due to a coelution. The integration was estimated.

The surrogate Terphenyl-d14 fails high in sample 0908013-19. There were no associated targets.

Two surrogates were slightly high in sample 0908013-33. No associated targets were reported from the x1 analysis. The only associated target was reported from a dilution where the surrogate recovery was acceptable.

There were several failures in the MS and MSD. Of those three were significant. Benzoic acid is qualified as rejected in source sample 0908013-20 because there was no recovery in the MS/MSD. The reporting limits were raised in the source sample for Hexachlorocyclopentadiene and 2,4-Dinitrophenol due to low failures. Absence or presence at the lower RL could not be verified. All other failures were not detected in the source sample. N-Nitrosodipropylamine is qualified as estimated in the MS because the value reported is outside the calibration range.

Liquids:

Sample 0908013-15 was re-extracted because an improper aliquot was used. Only the re-extraction results are reported.

The following analytes are qualified as estimated with a tentative identification due to concentration differences, RT shifts and/or coelutions:

0908013-01 - 2,4-Dichlorophenol
0908013-12 - Acetophenone
0908013-24 - 4-Chloro-3-methylphenol

Acetophenone is qualified as estimated in samples 0908013-15RE1, 0908013-16 and 0908013-23

Report Narrative (cont'd)

due to estimated integrations. Benzyl alcohol is qualified as estimated in sample 0908013-23 for the same reason.

Benzyl Alcohol, 2-Methylphenol, 3-&/or 4-Methylphenol are qualified as estimated in sample 0908013-16 because the associated internal standard is outside QC limits.

4-Chloro-3-methylphenol is qualified as estimated in sample 0908013-18 due to inconsistent concentrations found between analyses.

The reporting limit for 2,4-Dimethylphenol was raised in sample 0908013-24 because the result was confirmed below calibration in a dilution but could not be seen in the undiluted analysis.

The surrogate Phenol-d5 fails low in samples 0908013-01 and 0908013-17. In sample 0908013-01 the surrogate fails low due to a high concentration of Phenol present; however, Phenol was reported from a dilution where the surrogate recovery was acceptable. No bias was placed on sample results. Phenol is qualified as low biased in 0908013-17 due to low failure of associated surrogate.

The surrogate 2,4,6-Tribromophenol fails high in samples 0908013-02 and 0908013-05. The surrogate 2-Fluorophenol fails low in sample 0908013-13. There were no associated targets.

Benzoic acid, where reported, is qualified as estimated due to chromatography problems with calibration.

There are several failures in the MS and MSD. Of those the following are significant:

Benzaldehyde, Caprolactam, and Acetophenone all had coelutions making identification of peaks difficult. The RLs were raised for these analytes in the source sample 0908013-13 to ensure non-detects are accurate. The RLs were raised for bis(2-Chloroisopropyl)ether and 2-Methylphenol in the source sample due to low recoveries to ensure that non-detects are accurate. The amount spiked for Naphthalene was inadequate to properly calculate recoveries and RPD. No bias was placed on source results. All other failures were not detected in the source sample and are not significant.

Three analytes fail low in B9H1205-BS1 and all are significant. Benzyl alcohol is qualified as low biased in the associated samples 0908013-15RE1 and 0908013-18. The reporting limits were raised for the other two analytes 2,4-Dinitrophenol and Hexachlorocyclopentadiene in the same samples due to low failures to ensure that non-detects are accurate.

Organic TCLP:

TCLPs were prepared outside holding time. All results should be considered minimum values.

TCLP semi-volatiles:

2-Methylphenol failed high in all four matrix spikes. 3- and/or 4-Methylphenol failed high in three of four matrix spikes. The amount spiked was inadequate to properly calculate recoveries and RPDs. No bias was placed on source results.

Report Narrative (cont'd)

TCLP Volatiles:

The surrogate Toluene-d8 fails low in samples 0908013-12 and 0908013-17. Benzene was found in both samples just below the TCLP limit. These samples were analyzed at a dilution where the surrogate passed and Benzene was still found below the TCLP limit. Therefore, it is believed that even with the low bias, Benzene is not greater than the TCLP limit in these samples.

Benzene recoveries and RPD fail in B9K2503-MS1/MSD1. The amount spiked was inadequate to properly calculate recoveries and RPD. No bias was placed on source results. Benzene is qualified as estimated in the MSD because the value reported is outside the calibration curve.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: CES Environmental

Project Number: 09RCRA297

Data Management Coordinator: Christy Warren

Christy Warren 2/3/10

Data Management Coordinator Signature

Date

Date Transmitted: 2/3/10

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____ / ____ / _____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____

Signature

Date

Please provide a reason for holding:

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
S2A	0908013-01	Liquid	8/5/09 16:18	08/08/09 18:53
S1B	0908013-02	Liquid	8/5/09 14:50	08/08/09 18:53
S3A	0908013-03	Liquid	8/6/09 9:44	08/08/09 18:53
S2B	0908013-04	Non-Aqueous Liquid	8/6/09 9:18	08/08/09 18:53
S4A	0908013-05	Liquid	8/6/09 9:54	08/08/09 18:53
S5A	0908013-06	Liquid	8/6/09 10:07	08/08/09 18:53
S6A	0908013-07	Liquid	8/7/09 9:12	08/08/09 18:53
S7A	0908013-08	Liquid	8/7/09 9:23	08/08/09 18:53
S8A	0908013-09	Liquid	8/7/09 9:33	08/08/09 18:53
S3B (top layer)	0908013-10	Non-Aqueous Liquid	8/7/09 8:57	08/08/09 18:53
S4B	0908013-11	Non-Aqueous Liquid	8/7/09 9:15	08/08/09 18:53
S9A	0908013-12	Liquid	8/7/09 15:39	08/08/09 18:53
S10A	0908013-13	Liquid	8/7/09 15:42	08/08/09 18:53
S5B	0908013-14	Non-Aqueous Liquid	8/8/09 8:37	08/08/09 18:53
S6B	0908013-15	Liquid	8/8/09 8:42	08/08/09 18:53
S7B	0908013-16	Liquid	8/8/09 8:50	08/08/09 18:53
S8B	0908013-17	Liquid	8/8/09 9:08	08/08/09 18:53
S9B	0908013-18	Liquid	8/8/09 9:05	08/08/09 18:53
S11A	0908013-19	Non-Aqueous Liquid	8/8/09 8:39	08/08/09 18:53
S12A	0908013-20	Non-Aqueous Liquid	8/8/09 8:44	08/08/09 18:53
S13A	0908013-21	Non-Aqueous Liquid	8/8/09 8:51	08/08/09 18:53
S14A	0908013-22	Non-Aqueous Liquid	8/8/09 9:01	08/08/09 18:53
S15A	0908013-23	Liquid	8/8/09 9:05	08/08/09 18:53
S16A	0908013-24	Liquid	8/8/09 9:09	08/08/09 18:53
SIC-01	0908013-25	Liquid	8/8/09 11:02	08/08/09 18:53
SIC-02	0908013-26	Liquid	8/8/09 11:06	08/08/09 18:53
SIC-03	0908013-27	Liquid	8/8/09 15:00	08/08/09 18:53
SIC-04	0908013-28	Liquid	8/8/09 15:00	08/08/09 18:53
SIC-05	0908013-29	Liquid	8/8/09 15:00	08/08/09 18:53
SIC-06	0908013-30	Liquid	8/8/09 15:10	08/08/09 18:53
SIC-07	0908013-31	Liquid	8/8/09 15:15	08/08/09 18:53
SIC-08	0908013-32	Liquid	8/8/09 15:41	08/08/09 18:53
S3B (bottom layer)	0908013-33	Non-Aqueous Liquid	8/7/09 8:57	08/08/09 18:53

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	47.7		95.3	81-124	08/13/09	08/13/09
Surr: Toluene-d8	45.8		91.5	86-115	"	"
Surr: 4-Bromofluorobenzene	48.8		97.5	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	**16,000**		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**37,500**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	U		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**420**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**11,600**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**228**	**N**	200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,660**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**602**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	**4,200**		500	"	"	"
Toluene (108-88-3)	**5,770**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**2,260**		200	"	"	"
meta-/para-Xylene (na)	**8,420**		400	"	"	"
ortho-Xylene (95-47-6)	**3,330**		200	"	"	"
Styrene (100-42-5)	**1,050**		200	"	"	"
Isopropylbenzene (98-82-8)	**6,080**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 14.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Methanethiol (74-93-1)	**6,000**		1.81	100	08/13/09	08/13/09
Disulfide, dimethyl (000624-92-0)	**130,000**		7.61	"	"	"
Methyl ethyl disulphide (020333-39-5)	**170,000**		9.15	"	"	"
Nonane (111-84-2)	**7,100**		9.61	"	"	"
Diethyl disulfide (110-81-6)	**18,000**		10.40	"	"	"
Methyl tert-butyl disulphide (035166-82-6)	**44,000**		10.57	"	"	"
C9H12 isomer (01) (NA)	**6,900**		10.82	"	"	"
Decane (124-18-5)	**19,000**		10.95	"	"	"
Disulfide, ethyl 1-methylethyl (053966-36-2)	**18,000**		11.08	"	"	"
Trisulfide, dimethyl (3658-80-8)	**20,000**		11.16	"	"	"
C9H12 isomer (02) (NA)	**12,000**		11.28	"	"	"
1,1-dimethylethyl ethyl disulfide (4151-69-3)	**66,000**		11.60	"	"	"
disulfide, (1-methylethyl) (1,1-dimethylethyl) (43022-60-2)	**12,000**		12.10	"	"	"
Unknown (01) (NA)	**27,000**		12.23	"	"	"
C8H18S2 isomer (NA)	**85,000**		12.84	"	"	"
Unknown (02) (NA)	**11,000**		13.17	"	"	"
Unknown (03) (NA)	**5,900**		13.18	"	"	"
Unknown (04) (NA)	**6,300**		13.24	"	"	"
naphthalene (91-20-3)	**8,000**		13.82	"	"	"
Unknown (05) (NA)	**6,600**		14.02	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/05/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	45.5		91.0	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,150**		200	100	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	8,680		57.9	41-121	08/12/09	08/17/09
Surr: Phenol-d5	6,200		41.3 #	43-118	"	"
Surr: 2-Chlorophenol-d4	9,320		62.1	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	5,040		50.4	35-110	"	"
Surr: Nitrobenzene-d5	6,170		61.7	44-127	"	08/17/09
Surr: 2-Fluorobiphenyl	5,400		54.0	45-115	"	"
Surr: 2,4,6-Tribromophenol	15,300		102	55-139	"	"
Surr: Terphenyl-d14	10,100		101	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		400	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		400	"	"	"
Acetophenone (98-86-2)	U		1,000	"	"	"
Anthracene (120-12-7)	U		400	"	"	"
Atrazine (1912-24-9)	U		1,000	"	"	"
Benzaldehyde (100-52-7)	U		1,000	"	"	"
Benzoic acid (65-85-0)	U		2,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		1,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		1,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,000	"	"	"
Benzyl alcohol (100-51-6)	U		1,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		1,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		1,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,000	"	"	"
Carbazole (86-74-8)	U		1,000	"	"	"
Caprolactam (105-60-2)	U		1,000	"	"	"
4-Chloroaniline (106-47-8)	U		1,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	**2,430**		2,000	5	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,000	1	"	08/17/09
4-Chloro-3-methylphenol (59-50-7)	U		1,000	"	"	"
Chrysene (218-01-9)	U		1,000	"	"	"
Dibenzofuran (132-64-9)	U		1,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		1,000	"	"	"
2,4-Dichlorophenol (120-83-2)	**2,510**	**NJ**	1,000	"	"	"
Diethyl phthalate (84-66-2)	U		1,000	"	"	"
2,4-Dimethylphenol (105-67-9)	**636,000**		100,000	100	"	08/17/09
Dimethyl phthalate (131-11-3)	U		1,000	1	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		4,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		4,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,000	"	"	"
Fluoranthene (206-44-0)	U		400	"	"	"
Fluorene (86-73-7)	**452**		400	"	"	"
Hexachlorobenzene (118-74-1)	U		1,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		1,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,000	"	"	"
Hexachloroethane (67-72-1)	U		1,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,000	"	"	"
Isophorone (78-59-1)	U		1,000	"	"	"
2-Methylnaphthalene (91-57-6)	**11,700**		400	"	"	"
2-Methylphenol (95-48-7)	**1,130,000**		100,000	100	"	08/17/09
3 &/or 4-Methylphenol (106-44-5)	**911,000**		100,000	"	"	"
Naphthalene (91-20-3)	**12,500**		400	1	"	08/17/09
2-Nitroaniline (88-74-4)	U		1,600	"	"	"
3-Nitroaniline (99-09-2)	U		1,600	"	"	"
4-Nitroaniline (100-01-6)	U		1,600	"	"	"
Nitrobenzene (98-95-3)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		1,000	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		2,600	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,000	"	"	"
Pentachlorophenol (87-86-5)	U		1,000	"	"	"
Phenanthrene (85-01-8)	**450**		400	"	"	"
Phenol (108-95-2)	**625,000**		100,000	100	"	08/17/09
Pyrene (129-00-0)	U		400	1	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		1,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	**4,220**		1,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Diethyl disulfide (110-81-6)	**72,000**		3.10	5	08/12/09	08/17/09
Methyl tert-butyl disulphide (035166-82-6)	**100,000**		3.19	"	"	"
Dimethyl trisulfide (3658-80-8)	**87,000**		3.46	"	"	"
Decane (124-18-5)	**91,000**		3.60	"	"	"
Disulfide, 1,1-dimethylethyl ethyl (4151-69-3)	**110,000**		3.76	"	"	"
Unknown (01) (NA)	**24,000**		3.99	"	"	"
Dimethyl phenol isomer (01) (NA)	**41,000**		4.42	"	"	"
Di-tert-butyl disulfide (110-06-5)	**68,000**		4.51	"	"	"
Ethyl phenol isomer (01) (NA)	**55,000**		4.62	"	"	"
Diethyltrisulfide (3600-24-6)	**27,000**		4.66	"	"	"
Dimethyl phenol isomer (03) (NA)	**160,000**		4.86	"	"	"
Dimethyl phenol isomer (02) (NA)	**47,000**		4.90	"	"	"
Dimethyl phenol isomer (04) (NA)	**42,000**		5.01	"	"	"
Propyl phenol isomer (02) (NA)	**13,000**		5.16	"	"	"
Dimethyl tetrasulphide (5756-24-1)	**62,000**		5.20	"	"	"
Ethyl methyl phenol isomer (01) (NA)	**24,000**		5.28	"	"	"
Ethyl methyl phenol isomer (02) (NA)	**17,000**		5.30	"	"	"
Ethyl methyl phenol isomer (03) (NA)	**22,000**		5.41	"	"	"
Propyl phenol isomer (01) (NA)	**22,000**		5.41	"	"	"
Unknown (02) (NA)	**20,000**		6.08	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9K0601
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/05/09
Sample Volume: 0.5 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	96,700		64.5	41-121	11/06/09	11/10/09
Surr: Phenol-d5	87,500		58.3	43-118	"	"
Surr: 2-Chlorophenol-d4	96,800		64.6	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	46,700		46.7	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**806,000**		100,000	10	11/06/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**640,000**		100,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9I0201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 25 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**4,830**		4,000	20	08/27/09	09/16/09
Antimony (7440-36-0)	U		2,400	"	"	"
Arsenic (7440-38-2)	U		4,000	"	"	"
Barium (7440-39-3)	U		400	"	"	"
Beryllium (7440-41-7)	U		200	"	"	"
Cadmium (7440-43-9)	U		200	"	"	"
Calcium (7440-70-2)	**17,900**		6,000	"	"	"
Chromium (7440-47-3)	U		400	"	"	"
Cobalt (7440-48-4)	**1,960**		800	"	"	"
Copper (7440-50-8)	**825**		800	"	"	"
Iron (7439-89-6)	**70,900**		1,000	"	"	"
Lead (7439-92-1)	U		1,200	"	"	"
Magnesium (7439-95-4)	U		6,000	"	"	"
Manganese (7439-96-5)	**593**		200	"	"	"
Nickel (7440-02-2)	**10,300**		800	"	"	"
Potassium (7440-09-7)	**91,000**		40,000	"	"	"
Selenium (7782-49-2)	U		4,000	"	"	"
Silver (7440-22-4)	U		400	"	"	"
Sodium (7440-23-5)	**34,000,000**		20,000	"	"	"
Thallium (7440-28-0)	U		4,000	"	"	"
Vanadium (7440-62-2)	U		800	"	"	"
Zinc (7440-66-6)	**1,380**		800	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-01 **Station ID: S2A**

Batch: B9I0105 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**13.0**	**L**	0.200	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	45.0		90.0	81-124	08/13/09	08/13/09
Surr: Toluene-d8	50.6		101	86-115	"	"
Surr: 4-Bromofluorobenzene	63.8		128 #	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**3,380**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	U		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**2,590**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**2,440**	**N**	200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,120**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**11,400**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**12,300**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**6,950**		200	"	"	"
meta-/para-Xylene (na)	**38,100**		400	"	"	"
ortho-Xylene (95-47-6)	**16,700**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**5,360**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 14.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9I0301 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Nonane (111-84-2)	**3,600**		9.62	100	08/13/09	08/13/09
C9H12 isomer (01) (NA)	**5,700**		10.83	"	"	"
C9H12 isomer (02) (NA)	**4,000**		10.92	"	"	"
Decane (124-18-5)	**6,900**		10.98	"	"	"
C11H24 isomer (NA)	**2,800**		11.26	"	"	"
C9H12 isomer (03) (NA)	**6,400**		11.29	"	"	"
C9H12 isomer (04) (NA)	**5,700**		11.30	"	"	"
C10H14 isomer (01) (NA)	**2,400**		11.56	"	"	"
C9H12 isomer (05) (NA)	**4,400**		11.70	"	"	"
C10H14 isomer (02) (NA)	**4,500**		11.93	"	"	"
unknown hydrocarbon (01) (NA)	**2,600**		11.99	"	"	"
C10H14 isomer (03) (NA)	**4,300**		12.00	"	"	"
Undecane (1120-21-4)	**4,700**		12.16	"	"	"
C10H14 isomer (04) (NA)	**3,500**		12.18	"	"	"
C10H14 isomer (05) (NA)	**2,400**		12.37	"	"	"
pentylcyclohexane (4292-92-6)	**2,400**		12.73	"	"	"
C10H14 isomer (06) (NA)	**3,900**		12.82	"	"	"
C10H14 isomer (07) (NA)	**3,600**		13.23	"	"	"
Dodecane (112-40-3)	**3,400**		13.25	"	"	"
naphthalene (91-20-3)	**4,700**		13.83	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

Environmental Protection Agency

Region 6 Laboratory

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/05/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	46.8		93.5	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,010**		200	100	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	19,800		79.1	41-121	08/12/09	08/17/09
Surr: Phenol-d5	14,900		59.5	43-118	"	"
Surr: 2-Chlorophenol-d4	17,700		70.7	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	10,400		62.1	35-110	"	"
Surr: Nitrobenzene-d5	13,800		83.1	44-127	"	"
Surr: 2-Fluorobiphenyl	14,000		84.0	45-115	"	"
Surr: 2,4,6-Tribromophenol	39,100		156 #	55-139	"	"
Surr: Terphenyl-d14	19,600		118	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		3,330	5	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		3,330	"	"	"
Acetophenone (98-86-2)	U		8,330	"	"	"
Anthracene (120-12-7)	U		3,330	"	"	"
Atrazine (1912-24-9)	U		8,330	"	"	"
Benzaldehyde (100-52-7)	U		8,330	"	"	"
Benzoic acid (65-85-0)	U		16,700	"	"	"
Benzo (a) anthracene (56-55-3)	U		8,330	"	"	"
Benzo (a) pyrene (50-32-8)	U		8,330	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		8,330	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		8,330	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		8,330	"	"	"
Benzyl alcohol (100-51-6)	U		8,330	"	"	"
1,1'-Biphenyl (92-52-4)	U		8,330	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		8,330	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		8,330	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		8,330	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		8,330	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		8,330	"	"	"
Butyl benzyl phthalate (85-68-7)	U		8,330	"	"	"
Carbazole (86-74-8)	U		8,330	"	"	"
Caprolactam (105-60-2)	U		8,330	"	"	"
4-Chloroaniline (106-47-8)	U		8,330	"	"	"
2-Chloronaphthalene (91-58-7)	U		8,330	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		8,330	5	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		8,330	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		8,330	"	"	"
Chrysene (218-01-9)	U		8,330	"	"	"
Dibenzofuran (132-64-9)	U		8,330	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		8,330	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		8,330	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		8,330	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		8,330	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		8,330	"	"	"
2,4-Dichlorophenol (120-83-2)	U		8,330	"	"	"
Diethyl phthalate (84-66-2)	U		8,330	"	"	"
2,4-Dimethylphenol (105-67-9)	**5,200,000**		417,000	250	"	08/19/09
Dimethyl phthalate (131-11-3)	U		8,330	5	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		33,300	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		8,330	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		8,330	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		33,300	"	"	"
Di-n-butyl phthalate (84-74-2)	U		8,330	"	"	"
Di-n-octyl phthalate (117-84-0)	U		8,330	"	"	"
Fluoranthene (206-44-0)	U		3,330	"	"	"
Fluorene (86-73-7)	U		3,330	"	"	"
Hexachlorobenzene (118-74-1)	U		8,330	"	"	"
Hexachlorobutadiene (87-68-3)	U		8,330	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		8,330	"	"	"
Hexachloroethane (67-72-1)	U		8,330	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		8,330	"	"	"
Isophorone (78-59-1)	U		8,330	"	"	"
2-Methylnaphthalene (91-57-6)	**62,000**		3,330	"	"	"
2-Methylphenol (95-48-7)	**4,260,000**		417,000	250	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**5,260,000**		417,000	"	"	"
Naphthalene (91-20-3)	**43,800**		3,330	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		13,300	"	"	"
3-Nitroaniline (99-09-2)	U		13,300	"	"	"
4-Nitroaniline (100-01-6)	U		13,300	"	"	"
Nitrobenzene (98-95-3)	U		8,330	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		8,330	5	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		21,700	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		8,330	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		8,330	"	"	"
Pentachlorophenol (87-86-5)	U		8,330	"	"	"
Phenanthrene (85-01-8)	U		3,330	"	"	"
Phenol (108-95-2)	**1,440,000**		417,000	250	"	08/19/09
Pyrene (129-00-0)	U		3,330	5	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		8,330	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		8,330	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		8,330	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9H1201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Undecane (1120-21-4)	**200,000**		4.19	50	08/12/09	10/07/09
Dimethyl phenol isomer (01) (NA)	**530,000**		4.28	"	"	"
Ethyl phenol isomer (NA)	**520,000**		4.46	"	"	"
Dimethyl phenol isomer (04) (NA)	**3,800,000**		4.69	"	"	"
Dimethyl phenol isomer (02) (NA)	**620,000**		4.75	"	"	"
Dimethyl phenol isomer (03) (NA)	**1,200,000**		4.84	"	"	"
Unknown (01) (NA)	**160,000**		4.99	"	"	"
Methyl ethyl phenol isomer (01) (NA)	**1,100,000**		5.06	"	"	"
Ethyl methyl phenol isomer (01) (NA)	**350,000**		5.13	"	"	"
Ethyl methyl phenol isomer (02) (NA)	**280,000**		5.15	"	"	"
Propyl phenol isomer (NA)	**710,000**		5.25	"	"	"
Ethyl methyl phenol isomer (NA)	**710,000**		5.26	"	"	"
Trimethyl phenol isomer (03) (NA)	**350,000**		5.32	"	"	"
Trimethyl phenol isomer (01) (NA)	**210,000**		5.34	"	"	"
Ethyl methyl phenol isomer (03) (NA)	**170,000**		5.38	"	"	"
Nonanoic acid (112-05-0)	**170,000**		5.38	"	"	"
Methyl propyl phenol isomer (01) (NA)	**220,000**		5.59	"	"	"
Methyl propyl phenol isomer (NA)	**230,000**		5.70	"	"	"
Unknown (02) (NA)	**260,000**		6.24	"	"	"
Tridecanoic acid (000638-53-9)	**210,000**		7.54	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9K0601
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/05/09
Sample Volume: 0.5 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: HTS

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	117,000		77.8	41-121	11/06/09	11/10/09
Surr: Phenol-d5	94,600		63.0	43-118	"	"
Surr: 2-Chlorophenol-d4	107,000		71.6	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	54,700		54.7	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**4,550,000**		500,000	50	11/06/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**5,500,000**		500,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9I0201 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 25 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		4,000	20	08/27/09	09/16/09
Antimony (7440-36-0)	U		2,400	"	"	"
Arsenic (7440-38-2)	U		4,000	"	"	"
Barium (7440-39-3)	U		400	"	"	"
Beryllium (7440-41-7)	U		200	"	"	"
Cadmium (7440-43-9)	U		200	"	"	"
Calcium (7440-70-2)	**6,770**		6,000	"	"	"
Chromium (7440-47-3)	U		400	"	"	"
Cobalt (7440-48-4)	**1,030**		800	"	"	"
Copper (7440-50-8)	U		800	"	"	"
Iron (7439-89-6)	**8,750**		1,000	"	"	"
Lead (7439-92-1)	U		1,200	"	"	"
Magnesium (7439-95-4)	U		6,000	"	"	"
Manganese (7439-96-5)	U		200	"	"	"
Nickel (7440-02-2)	U		800	"	"	"
Potassium (7440-09-7)	U		40,000	"	"	"
Selenium (7782-49-2)	U		4,000	"	"	"
Silver (7440-22-4)	U		400	"	"	"
Sodium (7440-23-5)	**20,900,000**		20,000	"	"	"
Thallium (7440-28-0)	U		4,000	"	"	"
Vanadium (7440-62-2)	U		800	"	"	"
Zinc (7440-66-6)	U		800	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-02 **Station ID: S1B**

Batch: B9I0105 Date Collected: 08/05/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**11.2**		0.200	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	44.6		89.2	81-124	08/13/09	08/13/09
Surr: Toluene-d8	45.3		90.5	86-115	"	"
Surr: 4-Bromofluorobenzene	49.2		98.3	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1,000	200	08/13/09	08/13/09
Chloromethane (74-87-3)	U		1,000	"	"	"
Vinyl chloride (75-01-4)	U		400	"	"	"
Bromomethane (74-83-9)	U		1,000	"	"	"
Chloroethane (75-00-3)	U		400	"	"	"
Trichlorofluoromethane (75-69-4)	U		400	"	"	"
1,1-Dichloroethene (75-35-4)	U		400	"	"	"
Carbon disulfide (75-15-0)	U		400	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		400	"	"	"
Acetone (67-64-1)	U		2,000	"	"	"
Methylene chloride (75-09-2)	U		400	"	"	"
Methyl acetate (79-20-9)	U		400	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		400	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		400	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		400	"	"	"
1,1-Dichloroethane (75-34-3)	U		400	"	"	"
2-Butanone (78-93-3)	U		1,000	"	"	"
Chloroform (67-66-3)	U		400	"	"	"
1,2-Dichloroethane (107-06-2)	U		400	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		400	"	"	"
Cyclohexane (110-82-7)	U		400	"	"	"
Carbon tetrachloride (56-23-5)	U		400	"	"	"
Benzene (71-43-2)	U		400	"	"	"
Trichloroethene (79-01-6)	U		400	"	"	"
Methylcyclohexane (108-87-2)	**712**		400	"	"	"
1,2-Dichloropropane (78-87-5)	U		400	"	"	"
Bromodichloromethane (75-27-4)	U		400	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		400	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		400	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		400	200	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		400	"	"	"
Bromoform (75-25-2)	U		400	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		1,000	"	"	"
Toluene (108-88-3)	**1,050**		400	"	"	"
Tetrachloroethene (127-18-4)	U		400	"	"	"
2-Hexanone (591-78-6)	U		1,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		400	"	"	"
Chlorobenzene (108-90-7)	U		400	"	"	"
Ethylbenzene (100-41-4)	**806**		400	"	"	"
meta-/para-Xylene (na)	**3,420**		800	"	"	"
ortho-Xylene (95-47-6)	**2,060**		400	"	"	"
Styrene (100-42-5)	U		400	"	"	"
Isopropylbenzene (98-82-8)	**498**		400	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		400	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		400	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		400	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		400	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1,000	"	"	"

This sample was received at pH 14.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Nonane (111-84-2)	**8,100**		9.61	200	08/13/09	08/13/09
C9H12 isomer (01) (NA)	**9,800**		10.81	"	"	"
C9H12 isomer (02) (NA)	**4,800**		10.90	"	"	"
Decane (124-18-5)	**22,000**		10.95	"	"	"
C9H12 isomer (03) (NA)	**5,900**		11.10	"	"	"
C11H24 isomer (NA)	**6,300**		11.24	"	"	"
C9H12 isomer (04) (NA)	**20,000**		11.27	"	"	"
C9H12 isomer (05) (NA)	**11,000**		11.69	"	"	"
C10H14 isomer (01) (NA)	**5,500**		11.92	"	"	"
C10H14 isomer (02) (NA)	**5,400**		11.99	"	"	"
Undecane (1120-21-4)	**24,000**		12.13	"	"	"
C10H14 isomer (03) (NA)	**11,000**		12.16	"	"	"
C10H14 isomer (05) (NA)	**8,100**		12.28	"	"	"
C10H14 isomer (06) (NA)	**7,300**		12.36	"	"	"
C10H14 isomer (07) (NA)	**8,700**		12.80	"	"	"
Dodecane (112-40-3)	**7,900**		13.22	"	"	"
C10H14 isomer (NA)	**5,800**		13.22	"	"	"
dimethyl phenol isomer (NA)	**6,500**		13.70	"	"	"
naphthalene (91-20-3)	**5,700**		13.82	"	"	"
Tridecane (629-50-5)	**6,500**		14.20	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	6,030		80.4	41-121	08/12/09	08/17/09
Surr: Phenol-d5	6,020		80.2	43-118	"	"
Surr: 2-Chlorophenol-d4	6,280		83.8	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	2,700		54.0	35-110	"	"
Surr: Nitrobenzene-d5	4,100		81.9	44-127	"	"
Surr: 2-Fluorobiphenyl	3,660		73.3	45-115	"	"
Surr: 2,4,6-Tribromophenol	7,540		100	55-139	"	"
Surr: Terphenyl-d14	6,280		126	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		1,000	5	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		1,000	"	"	"
Acetophenone (98-86-2)	U		2,500	"	"	"
Anthracene (120-12-7)	U		1,000	"	"	"
Atrazine (1912-24-9)	U		2,500	"	"	"
Benzaldehyde (100-52-7)	U		2,500	"	"	"
Benzoic acid (65-85-0)	U		5,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		2,500	"	"	"
Benzo (a) pyrene (50-32-8)	U		2,500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2,500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2,500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2,500	"	"	"
Benzyl alcohol (100-51-6)	U		2,500	"	"	"
1,1'-Biphenyl (92-52-4)	U		2,500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2,500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2,500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		2,500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2,500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2,500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2,500	"	"	"
Carbazole (86-74-8)	U		2,500	"	"	"
Caprolactam (105-60-2)	U		2,500	"	"	"
4-Chloroaniline (106-47-8)	U		2,500	"	"	"
2-Chloronaphthalene (91-58-7)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		2,500	5	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		2,500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2,500	"	"	"
Chrysene (218-01-9)	U		2,500	"	"	"
Dibenzofuran (132-64-9)	U		2,500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2,500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2,500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2,500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2,500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		2,500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2,500	"	"	"
Diethyl phthalate (84-66-2)	U		2,500	"	"	"
2,4-Dimethylphenol (105-67-9)	**1,050,000**		62,500	125	"	08/19/09
Dimethyl phthalate (131-11-3)	U		2,500	5	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		10,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2,500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2,500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		10,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		2,500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2,500	"	"	"
Fluoranthene (206-44-0)	U		1,000	"	"	"
Fluorene (86-73-7)	U		1,000	"	"	"
Hexachlorobenzene (118-74-1)	U		2,500	"	"	"
Hexachlorobutadiene (87-68-3)	U		2,500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2,500	"	"	"
Hexachloroethane (67-72-1)	U		2,500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2,500	"	"	"
Isophorone (78-59-1)	U		2,500	"	"	"
2-Methylnaphthalene (91-57-6)	**3,270**		1,000	"	"	"
2-Methylphenol (95-48-7)	**351,000**		62,500	125	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**404,000**		62,500	"	"	"
Naphthalene (91-20-3)	**2,550**		1,000	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		4,000	"	"	"
3-Nitroaniline (99-09-2)	U		4,000	"	"	"
4-Nitroaniline (100-01-6)	U		4,000	"	"	"
Nitrobenzene (98-95-3)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		2,500	5	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		6,500	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		2,500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2,500	"	"	"
Pentachlorophenol (87-86-5)	U		2,500	"	"	"
Phenanthrene (85-01-8)	U		1,000	"	"	"
Phenol (108-95-2)	**124,000**		62,500	125	"	08/19/09
Pyrene (129-00-0)	U		1,000	5	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		2,500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2,500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Dimethyl phenol isomer (01) (NA)	**190,000**		4.28	125	08/12/09	08/19/09
Ethyl phenol isomer (NA)	**140,000**		4.46	"	"	"
Dimethyl phenol isomer (02) (NA)	**450,000**		4.67	"	"	"
Dimethyl phenol isomer (03) (NA)	**86,000**		4.74	"	"	"
Trimethyl phenol isomer (01) (NA)	**140,000**		4.92	"	"	"
Methylethyl phenol isomer (NA)	**250,000**		5.05	"	"	"
Ethyl methyl phenol isomer (01) (NA)	**130,000**		5.12	"	"	"
Ethyl methyl phenol isomer (02) (NA)	**120,000**		5.15	"	"	"
Propyl phenol isomer (01) (NA)	**150,000**		5.24	"	"	"
Ethyl methyl phenol isomer (03) (NA)	**150,000**		5.25	"	"	"
Trimethyl phenol isomer (02) (NA)	**110,000**		5.31	"	"	"
Methyl propyl phenol isomer (02) (NA)	**140,000**		5.59	"	"	"
1H-Inden-5-ol, 2,3-dihydro- (001470-94-6)	**82,000**		5.78	"	"	"
Methyl propyl phenol isomer (01) (NA)	**82,000**		5.78	"	"	"
Butyl phenol isomer (NA)	**81,000**		5.85	"	"	"
Unknown (01) (NA)	**89,000**		5.90	"	"	"
Decanoic acid (334-48-5)	**220,000**		5.93	"	"	"
Unknown (02) (NA)	**120,000**		6.23	"	"	"
Undecanoic acid (000112-37-8)	**130,000**		6.48	"	"	"
Dodecanoic acid (143-07-7)	**120,000**		6.99	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9K0601
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
Sample Volume: 1 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	52,300		69.8	41-121	11/06/09	11/10/09
Surr: Phenol-d5	53,500		71.3	43-118	"	"
Surr: 2-Chlorophenol-d4	52,300		69.7	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	27,100		54.2	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**326,000**		50,000	10	11/06/09	11/12/09
3 &/or 4-Methylphenol (106-44-5)	**369,000**		50,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9I0201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		10,000	20	08/27/09	09/16/09
Antimony (7440-36-0)	U		6,000	"	"	"
Arsenic (7440-38-2)	U		10,000	"	"	"
Barium (7440-39-3)	U		1,000	"	"	"
Beryllium (7440-41-7)	U		500	"	"	"
Cadmium (7440-43-9)	U		500	"	"	"
Calcium (7440-70-2)	**18,400**		15,000	"	"	"
Chromium (7440-47-3)	U		1,000	"	"	"
Cobalt (7440-48-4)	**5,570**		2,000	"	"	"
Copper (7440-50-8)	U		2,000	"	"	"
Iron (7439-89-6)	**8,940**		2,500	"	"	"
Lead (7439-92-1)	U		3,000	"	"	"
Magnesium (7439-95-4)	U		15,000	"	"	"
Manganese (7439-96-5)	U		500	"	"	"
Nickel (7440-02-2)	**3,140**		2,000	"	"	"
Potassium (7440-09-7)	U		100,000	"	"	"
Selenium (7782-49-2)	U		10,000	"	"	"
Silver (7440-22-4)	U		1,000	"	"	"
Sodium (7440-23-5)	**32,500,000**		50,000	"	"	"
Thallium (7440-28-0)	U		10,000	"	"	"
Vanadium (7440-62-2)	U		2,000	"	"	"
Zinc (7440-66-6)	U		2,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-03 **Station ID: S3A**

Batch: B9I0105 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**3.86**		0.200	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9I0901 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.0		104	84-117	08/17/09	08/17/09
Surr: Toluene-d8	47.8		95.6	79-123	"	"
Surr: 4-Bromofluorobenzene	52.0		104	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		2,500	500	08/17/09	08/17/09
Chloromethane (74-87-3)	U		2,500	"	"	"
Vinyl chloride (75-01-4)	U		1,000	"	"	"
Bromomethane (74-83-9)	U		2,500	"	"	"
Chloroethane (75-00-3)	U	RL	3,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		1,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		1,000	"	"	"
Carbon disulfide (75-15-0)	U		1,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1,000	"	"	"
Acetone (67-64-1)	**13,800**	**J**	5,000	"	"	"
Methylene chloride (75-09-2)	U		1,000	"	"	"
Methyl acetate (79-20-9)	U		2,500	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		1,000	"	"	"
2-Butanone (78-93-3)	**5,300**	**K**	2,500	"	"	"
Chloroform (67-66-3)	U		1,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		1,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1,000	"	"	"
Cyclohexane (110-82-7)	**1,140**		1,000	"	"	"
Carbon tetrachloride (56-23-5)	U		1,000	"	"	"
Benzene (71-43-2)	U		1,000	"	"	"
Trichloroethene (79-01-6)	U		1,000	"	"	"
Methylcyclohexane (108-87-2)	**4,600**		1,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		1,000	"	"	"
Bromodichloromethane (75-27-4)	U		1,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		1,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9I0901 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		1,000	500	08/17/09	08/17/09
Dibromochloromethane (124-48-1)	U		1,000	"	"	"
Bromoform (75-25-2)	U		1,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		2,500	"	"	"
Toluene (108-88-3)	**6,910**		1,000	"	"	"
Tetrachloroethene (127-18-4)	U		1,000	"	"	"
2-Hexanone (591-78-6)	U		2,500	"	"	"
1,2-Dibromoethane (106-93-4)	U		1,000	"	"	"
Chlorobenzene (108-90-7)	U		1,000	"	"	"
Ethylbenzene (100-41-4)	**3,160**		1,000	"	"	"
meta-/para-Xylene (na)	**20,400**		2,000	"	"	"
ortho-Xylene (95-47-6)	**8,680**		1,000	"	"	"
Styrene (100-42-5)	U		1,000	"	"	"
Isopropylbenzene (98-82-8)	**2,440**		1,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		2,500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2,500	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9I0901 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Nonane (111-84-2)	**30,000**		9.61	500	08/17/09	08/17/09
propyl benzene (103-65-1)	**19,000**		10.72	"	"	"
C9H12 isomer (01) (NA)	**54,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**35,000**		10.90	"	"	"
Decane (124-18-5)	**87,000**		10.95	"	"	"
C9H12 isomer (03) (NA)	**20,000**		11.10	"	"	"
C11H24 isomer (NA)	**27,000**		11.24	"	"	"
C9H12 isomer (04) (NA)	**110,000**		11.27	"	"	"
C10H14 isomer (01) (NA)	**19,000**		11.54	"	"	"
C9H12 isomer (05) (NA)	**46,000**		11.69	"	"	"
C10H14 isomer (02) (NA)	**37,000**		11.92	"	"	"
C10H14 isomer (03) (NA)	**21,000**		11.97	"	"	"
C10H14 isomer (04) (NA)	**31,000**		11.99	"	"	"
Undecane (1120-21-4)	**86,000**		12.13	"	"	"
C10H14 isomer (05) (NA)	**29,000**		12.16	"	"	"
C10H14 isomer (06) (NA)	**21,000**		12.29	"	"	"
C10H14 isomer (07) (NA)	**29,000**		12.36	"	"	"
C10H14 isomer (08) (NA)	**26,000**		12.80	"	"	"
C10H14 isomer (NA)	**29,000**		13.22	"	"	"
Dodecane (112-40-3)	**28,000**		13.22	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9H1701 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.104 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,390,000		96.2	10-153	08/17/09	08/19/09
Surr: Phenol-d5	1,480,000		102	16-138	"	"
Surr: 2-Chlorophenol-d4	1,370,000		95.2	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	936,000		97.4	28-127	"	"
Surr: Nitrobenzene-d5	812,000		84.4	20-142	"	"
Surr: 2-Fluorobiphenyl	1,030,000		107	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,560,000		108	10-151	"	"
Surr: Terphenyl-d14	1,010,000		105	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		38,500	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		38,500	"	"	"
Acetophenone (98-86-2)	U		96,200	"	"	"
Anthracene (120-12-7)	U		38,500	"	"	"
Atrazine (1912-24-9)	U		96,200	"	"	"
Benzaldehyde (100-52-7)	U		96,200	"	"	"
Benzoic acid (65-85-0)	U		192,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		96,200	"	"	"
Benzo (a) pyrene (50-32-8)	U		96,200	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		96,200	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		96,200	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		96,200	"	"	"
Benzyl alcohol (100-51-6)	U		96,200	"	"	"
1,1'-Biphenyl (92-52-4)	U		96,200	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		96,200	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		96,200	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		96,200	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		96,200	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		96,200	"	"	"
Butyl benzyl phthalate (85-68-7)	U		96,200	"	"	"
Carbazole (86-74-8)	U		96,200	"	"	"
Caprolactam (105-60-2)	U		96,200	"	"	"
4-Chloroaniline (106-47-8)	U		96,200	"	"	"
2-Chloronaphthalene (91-58-7)	U		96,200	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9H1701 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.104 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		96,200	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		96,200	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		96,200	"	"	"
Chrysene (218-01-9)	U		96,200	"	"	"
Dibenzofuran (132-64-9)	U		96,200	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		96,200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		96,200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		96,200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		96,200	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		96,200	"	"	"
2,4-Dichlorophenol (120-83-2)	U		96,200	"	"	"
Diethyl phthalate (84-66-2)	U		96,200	"	"	"
2,4-Dimethylphenol (105-67-9)	**19,000,000**		1,920,000	20	"	08/19/09
Dimethyl phthalate (131-11-3)	U		96,200	1	"	08/19/09
2,4-Dinitrophenol (51-28-5)	U		385,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		96,200	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		96,200	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		385,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		96,200	"	"	"
Di-n-octyl phthalate (117-84-0)	U		96,200	"	"	"
Fluoranthene (206-44-0)	U		38,500	"	"	"
Fluorene (86-73-7)	U		38,500	"	"	"
Hexachlorobenzene (118-74-1)	U		96,200	"	"	"
Hexachlorobutadiene (87-68-3)	U		96,200	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		96,200	"	"	"
Hexachloroethane (67-72-1)	U		96,200	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		96,200	"	"	"
Isophorone (78-59-1)	U		96,200	"	"	"
2-Methylnaphthalene (91-57-6)	**457,000**		38,500	"	"	"
2-Methylphenol (95-48-7)	**16,500,000**		962,000	10	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**18,700,000**		962,000	"	"	"
Naphthalene (91-20-3)	**290,000**		38,500	1	"	08/19/09
2-Nitroaniline (88-74-4)	U		154,000	"	"	"
3-Nitroaniline (99-09-2)	U		154,000	"	"	"
4-Nitroaniline (100-01-6)	U		154,000	"	"	"
Nitrobenzene (98-95-3)	U		96,200	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9H1701 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.104 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		96,200	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		250,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		96,200	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		96,200	"	"	"
Pentachlorophenol (87-86-5)	U		96,200	"	"	"
Phenanthrene (85-01-8)	U		38,500	"	"	"
Phenol (108-95-2)	**3,690,000**		962,000	10	"	08/19/09
Pyrene (129-00-0)	U		38,500	1	"	08/19/09
1,2,4-Trichlorobenzene (120-82-1)	U		96,200	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		96,200	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		96,200	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9H1701 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.104 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C9H12 isomer (NA)	**1,600,000**		3.60	10	08/17/09	08/19/09
Decane (124-18-5)	**1,600,000**		3.60	"	"	"
Dimethylphenol isomer (01) (NA)	**1,900,000**		4.37	"	"	"
Ethylphenol isomer (NA)	**1,700,000**		4.55	"	"	"
Dimethylphenol isomer (02) (NA)	**9,900,000**		4.76	"	"	"
Dimethylphenol isomer (03) (NA)	**1,200,000**		4.82	"	"	"
Trimethylphenol isomer (01) (NA)	**1,100,000**		5.02	"	"	"
Methylethylphenol isomer (01) (NA)	**2,800,000**		5.13	"	"	"
Methylethylphenol isomer (02) (NA)	**1,500,000**		5.21	"	"	"
Methylethylphenol isomer (03) (NA)	**1,000,000**		5.24	"	"	"
Propylphenol isomer (02) (NA)	**3,900,000**		5.33	"	"	"
Trimethylphenol isomer (02) (NA)	**1,300,000**		5.40	"	"	"
Tridecane (629-50-5)	**1,100,000**		5.56	"	"	"
C9H10O isomer (NA)	**1,100,000**		5.74	"	"	"
Unknown (01) (NA)	**2,100,000**		5.87	"	"	"
Decanoic acid (334-48-5)	**2,700,000**		6.01	"	"	"
Unknown (02) (NA)	**1,300,000**		6.11	"	"	"
C10H12O isomer (NA)	**2,000,000**		6.15	"	"	"
Unknown (03) (NA)	**2,000,000**		6.27	"	"	"
Dodecanoic acid (143-07-7)	**1,500,000**		7.09	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Combinate for Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9K1707
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers
2-Methylphenol (95-48-7)	**4,390,000**	
3 &/or 4-Methylphenol (106-44-5)	**5,100,000**	

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TCLP Filtrate for Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9K0605
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/06/09
Sample Weight: 0.1045 g
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,350,000		93.9	36-113	11/09/09	11/10/09
Surr: Phenol-d5	1,270,000		88.2	38-111	"	"
Surr: 2-Chlorophenol-d4	1,270,000		88.7	44-114	"	"
Surr: 1,2-Dichlorobenzene-d4	931,000		97.3	30-107	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**13,600,000**		957,000	10	11/09/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**15,800,000**		957,000	"	"	"

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TCLP Leachate for Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9K0601
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
Sample Volume: 10 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	4,910		65.4	41-121	11/06/09	11/10/09
Surr: Phenol-d5	4,260		56.8	43-118	"	"
Surr: 2-Chlorophenol-d4	4,910		65.5	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	2,370		47.4	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**251,000**		25,000	50	11/06/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**301,000**		25,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9I1001 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.6008 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		8,320	1	09/10/09	09/23/09
Antimony (7440-36-0)	U		4,990	"	"	"
Arsenic (7440-38-2)	U		8,320	"	"	"
Barium (7440-39-3)	U		832	"	"	"
Beryllium (7440-41-7)	U		416	"	"	"
Cadmium (7440-43-9)	U		416	"	"	"
Calcium (7440-70-2)	**15,100**		12,500	"	"	"
Chromium (7440-47-3)	**17,400**		832	"	"	"
Cobalt (7440-48-4)	U		1,660	"	"	"
Copper (7440-50-8)	U		1,660	"	"	"
Iron (7439-89-6)	**138,000**		2,080	"	"	"
Lead (7439-92-1)	U		2,500	"	"	"
Magnesium (7439-95-4)	U		12,500	"	"	"
Manganese (7439-96-5)	**2,170**		416	"	"	"
Nickel (7440-02-2)	**4,800**		1,660	"	"	"
Potassium (7440-09-7)	U		83,200	"	"	"
Selenium (7782-49-2)	U		8,320	"	"	"
Silver (7440-22-4)	U		832	"	"	"
Sodium (7440-23-5)	**10,500,000**		41,600	"	"	"
Thallium (7440-28-0)	U		8,320	"	"	"
Vanadium (7440-62-2)	U		2,500	"	"	"
Zinc (7440-66-6)	**2,570**		1,660	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-04 **Station ID: S2B**

Batch: B9I0106 Date Collected: 08/06/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.109 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**0.003**	**L**	0.0002	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	44.7		89.4	81-124	08/13/09	08/13/09
Surr: Toluene-d8	49.4		98.7	86-115	"	"
Surr: 4-Bromofluorobenzene	55.3		111	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	U		1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	U		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**566**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**1,070**	**N**	200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**570**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**5,230**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**5,750**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**3,080**		200	"	"	"
meta-/para-Xylene (na)	**16,000**		400	"	"	"
ortho-Xylene (95-47-6)	**7,340**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**1,900**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 14.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Nonane (111-84-2)	**25,000**		9.61	100	08/13/09	08/13/09
C9H12 isomer (01) (NA)	**37,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**26,000**		10.91	"	"	"
Decane (124-18-5)	**93,000**		10.96	"	"	"
C9H12 isomer (03) (NA)	**24,000**		11.10	"	"	"
C11H24 isomer (NA)	**30,000**		11.25	"	"	"
C9H12 isomer (04) (NA)	**71,000**		11.29	"	"	"
butylcyclohexane (1678-93-9)	**25,000**		11.53	"	"	"
C9H12 isomer (05) (NA)	**52,000**		11.70	"	"	"
C10H14 isomer (01) (NA)	**33,000**		11.93	"	"	"
C10H14 isomer (02) (NA)	**26,000**		11.98	"	"	"
C10H14 isomer (03) (NA)	**59,000**		12.00	"	"	"
Undecane (1120-21-4)	**71,000**		12.15	"	"	"
C10H14 isomer (04) (NA)	**46,000**		12.17	"	"	"
C10H14 isomer (05) (NA)	**24,000**		12.37	"	"	"
pentylcyclohexane (4292-92-6)	**24,000**		12.72	"	"	"
C10H14 isomer (06) (NA)	**37,000**		12.81	"	"	"
C10H14 isomer (07) (NA)	**48,000**		13.23	"	"	"
Dodecane (112-40-3)	**43,000**		13.23	"	"	"
naphthalene (91-20-3)	**35,000**		13.83	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	9,180		61.2	41-121	08/12/09	08/17/09
Surr: Phenol-d5	7,770		51.8	43-118	"	"
Surr: 2-Chlorophenol-d4	9,420		62.8	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	5,260		52.6	35-110	"	"
Surr: Nitrobenzene-d5	8,460		84.6	44-127	"	"
Surr: 2-Fluorobiphenyl	8,800		88.0	45-115	"	"
Surr: 2,4,6-Tribromophenol	25,500		170 #	55-139	"	"
Surr: Terphenyl-d14	11,400		114	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		2,000	5	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		2,000	"	"	"
Acetophenone (98-86-2)	U		5,000	"	"	"
Anthracene (120-12-7)	U		2,000	"	"	"
Atrazine (1912-24-9)	U		5,000	"	"	"
Benzaldehyde (100-52-7)	U		5,000	"	"	"
Benzoic acid (65-85-0)	U		10,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		5,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		5,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		5,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		5,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		5,000	"	"	"
Benzyl alcohol (100-51-6)	U		5,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		5,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		5,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		5,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		5,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		5,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		5,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		5,000	"	"	"
Carbazole (86-74-8)	U		5,000	"	"	"
Caprolactam (105-60-2)	U		5,000	"	"	"
4-Chloroaniline (106-47-8)	U		5,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		5,000	5	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		5,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		5,000	"	"	"
Chrysene (218-01-9)	U		5,000	"	"	"
Dibenzofuran (132-64-9)	U		5,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		5,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		5,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		5,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		5,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		5,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		5,000	"	"	"
Diethyl phthalate (84-66-2)	U		5,000	"	"	"
2,4-Dimethylphenol (105-67-9)	**1,970,000**		125,000	125	"	08/19/09
Dimethyl phthalate (131-11-3)	U		5,000	5	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		20,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		5,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		5,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		20,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		5,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		5,000	"	"	"
Fluoranthene (206-44-0)	U		2,000	"	"	"
Fluorene (86-73-7)	U		2,000	"	"	"
Hexachlorobenzene (118-74-1)	U		5,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		5,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		5,000	"	"	"
Hexachloroethane (67-72-1)	U		5,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		5,000	"	"	"
Isophorone (78-59-1)	U		5,000	"	"	"
2-Methylnaphthalene (91-57-6)	**34,100**		2,000	"	"	"
2-Methylphenol (95-48-7)	**1,970,000**		125,000	125	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**2,730,000**		625,000	625	"	09/03/09
Naphthalene (91-20-3)	**23,000**		2,000	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		8,000	"	"	"
3-Nitroaniline (99-09-2)	U		8,000	"	"	"
4-Nitroaniline (100-01-6)	U		8,000	"	"	"
Nitrobenzene (98-95-3)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		5,000	5	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		13,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		5,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		5,000	"	"	"
Pentachlorophenol (87-86-5)	U		5,000	"	"	"
Phenanthrene (85-01-8)	U		2,000	"	"	"
Phenol (108-95-2)	**885,000**		125,000	125	"	08/19/09
Pyrene (129-00-0)	U		2,000	5	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		5,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		5,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Undecane (1120-21-4)	**150,000**		4.19	125	08/12/09	08/19/09
Dimethyl phenol isomer (01) (NA)	**150,000**		4.28	"	"	"
Ethyl phenol isomer (01) (NA)	**140,000**		4.46	"	"	"
Dimethyl phenol isomer (03) (NA)	**1,400,000**		4.67	"	"	"
Dimethyl phenol isomer (02) (NA)	**200,000**		4.74	"	"	"
Methyl ethyl phenol isomer (NA)	**310,000**		5.05	"	"	"
Propyl phenol isomer (NA)	**240,000**		5.24	"	"	"
Ethyl methyl phenol isomer (NA)	**240,000**		5.25	"	"	"
Trimethyl phenol isomer (NA)	**310,000**		5.31	"	"	"
Unknown (01) (NA)	**220,000**		5.40	"	"	"
C9H10O isomer (NA)	**180,000**		5.65	"	"	"
1H-Inden-5-ol, 2,3-dihydro- (001470-94-6)	**130,000**		5.78	"	"	"
Decanoic acid (334-48-5)	**460,000**		5.92	"	"	"
Unknown (02) (NA)	**500,000**		6.20	"	"	"
Unknown (03) (NA)	**160,000**		6.41	"	"	"
Undecanoic acid (000112-37-8)	**210,000**		6.48	"	"	"
Dodecanoic acid (143-07-7)	**320,000**		7.01	"	"	"
Unknown (4) (NA)	**150,000**		7.33	"	"	"
Tridecanoic acid (000638-53-9)	**230,000**		7.52	"	"	"
Unknown (5) (NA)	**220,000**		7.76	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9K0601
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
Sample Volume: 1 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	57,800		77.0	41-121	11/06/09	11/10/09
Surr: Phenol-d5	51,100		68.1	43-118	"	"
Surr: 2-Chlorophenol-d4	57,000		76.0	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	30,300		60.5	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**1,110,000**		100,000	20	11/06/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**1,460,000**		100,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9I0201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		10,000	20	08/27/09	09/16/09
Antimony (7440-36-0)	U		6,000	"	"	"
Arsenic (7440-38-2)	U		10,000	"	"	"
Barium (7440-39-3)	U		1,000	"	"	"
Beryllium (7440-41-7)	U		500	"	"	"
Cadmium (7440-43-9)	U		500	"	"	"
Calcium (7440-70-2)	**19,100**		15,000	"	"	"
Chromium (7440-47-3)	**1,010**		1,000	"	"	"
Cobalt (7440-48-4)	U		2,000	"	"	"
Copper (7440-50-8)	U		2,000	"	"	"
Iron (7439-89-6)	**8,220**		2,500	"	"	"
Lead (7439-92-1)	U		3,000	"	"	"
Magnesium (7439-95-4)	U		15,000	"	"	"
Manganese (7439-96-5)	U		500	"	"	"
Nickel (7440-02-2)	**2,590**		2,000	"	"	"
Potassium (7440-09-7)	U		100,000	"	"	"
Selenium (7782-49-2)	U		10,000	"	"	"
Silver (7440-22-4)	U		1,000	"	"	"
Sodium (7440-23-5)	**20,400,000**		50,000	"	"	"
Thallium (7440-28-0)	U		10,000	"	"	"
Vanadium (7440-62-2)	U		2,000	"	"	"
Zinc (7440-66-6)	U		2,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-05 **Station ID: S4A**

Batch: B9I0105 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**9.35**		0.200	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	42.8		85.5	81-124	08/13/09	08/13/09
Surr: Toluene-d8	46.6		93.1	86-115	"	"
Surr: 4-Bromofluorobenzene	50.2		100	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	U		1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	U		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**757**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**711**	**N**	200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**672**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**2,980**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**3,920**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**2,940**		200	"	"	"
meta-/para-Xylene (na)	**12,200**		400	"	"	"
ortho-Xylene (95-47-6)	**7,110**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**1,690**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 14.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9I0301 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Nonane (111-84-2)	**30,000**		9.61	100	08/13/09	08/13/09
C10H22 isomer (NA)	**16,000**		10.60	"	"	"
C9H12 isomer (01) (NA)	**32,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**17,000**		10.90	"	"	"
Decane (124-18-5)	**63,000**		10.96	"	"	"
C9H12 isomer (03) (NA)	**25,000**		11.10	"	"	"
C11H24 isomer (NA)	**21,000**		11.24	"	"	"
C9H12 isomer (04) (NA)	**50,000**		11.28	"	"	"
butylcyclohexane (1678-93-9)	**19,000**		11.52	"	"	"
C9H12 isomer (05) (NA)	**41,000**		11.69	"	"	"
C10H14 isomer (01) (NA)	**20,000**		11.92	"	"	"
C10H14 isomer (02) (NA)	**22,000**		11.99	"	"	"
Undecane (1120-21-4)	**69,000**		12.15	"	"	"
C10H14 isomer (03) (NA)	**39,000**		12.17	"	"	"
C10H14 isomer (04) (NA)	**17,000**		12.26	"	"	"
C10H14 isomer (05) (NA)	**29,000**		12.29	"	"	"
C10H14 isomer (06) (NA)	**27,000**		12.36	"	"	"
C10H14 isomer (07) (NA)	**28,000**		12.81	"	"	"
C10H14 isomer (NA)	**36,000**		13.22	"	"	"
Dodecane (112-40-3)	**41,000**		13.23	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	47.2		94.4	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**661**		200	100	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	12,000		80.3	41-121	08/12/09	08/17/09
Surr: Phenol-d5	11,500		76.5	43-118	"	"
Surr: 2-Chlorophenol-d4	12,000		79.9	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	6,910		69.1	35-110	"	"
Surr: Nitrobenzene-d5	9,100		91.0	44-127	"	"
Surr: 2-Fluorobiphenyl	10,100		101	45-115	"	"
Surr: 2,4,6-Tribromophenol	16,000		107	55-139	"	"
Surr: Terphenyl-d14	12,400		124	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		2,000	5	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		2,000	"	"	"
Acetophenone (98-86-2)	U		5,000	"	"	"
Anthracene (120-12-7)	U		2,000	"	"	"
Atrazine (1912-24-9)	U		5,000	"	"	"
Benzaldehyde (100-52-7)	U		5,000	"	"	"
Benzoic acid (65-85-0)	U		10,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		5,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		5,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		5,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		5,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		5,000	"	"	"
Benzyl alcohol (100-51-6)	U		5,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		5,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		5,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		5,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		5,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		5,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		5,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		5,000	"	"	"
Carbazole (86-74-8)	U		5,000	"	"	"
Caprolactam (105-60-2)	U		5,000	"	"	"
4-Chloroaniline (106-47-8)	U		5,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		5,000	5	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		5,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		5,000	"	"	"
Chrysene (218-01-9)	U		5,000	"	"	"
Dibenzofuran (132-64-9)	U		5,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		5,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		5,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		5,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		5,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		5,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		5,000	"	"	"
Diethyl phthalate (84-66-2)	U		5,000	"	"	"
2,4-Dimethylphenol (105-67-9)	**2,070,000**		125,000	125	"	08/19/09
Dimethyl phthalate (131-11-3)	U		5,000	5	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		20,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		5,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		5,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		20,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		5,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		5,000	"	"	"
Fluoranthene (206-44-0)	U		2,000	"	"	"
Fluorene (86-73-7)	U		2,000	"	"	"
Hexachlorobenzene (118-74-1)	U		5,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		5,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		5,000	"	"	"
Hexachloroethane (67-72-1)	U		5,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		5,000	"	"	"
Isophorone (78-59-1)	U		5,000	"	"	"
2-Methylnaphthalene (91-57-6)	**11,300**		2,000	"	"	"
2-Methylphenol (95-48-7)	**858,000**		125,000	125	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**923,000**		125,000	"	"	"
Naphthalene (91-20-3)	**9,350**		2,000	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		8,000	"	"	"
3-Nitroaniline (99-09-2)	U		8,000	"	"	"
4-Nitroaniline (100-01-6)	U		8,000	"	"	"
Nitrobenzene (98-95-3)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		5,000	5	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		13,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		5,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		5,000	"	"	"
Pentachlorophenol (87-86-5)	U		5,000	"	"	"
Phenanthrene (85-01-8)	U		2,000	"	"	"
Phenol (108-95-2)	**322,000**		125,000	125	"	08/19/09
Pyrene (129-00-0)	U		2,000	5	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		5,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		5,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9H1201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Dimethyl phenol isomer (03) (NA)	**270,000**		4.28	125	08/12/09	08/19/09
Ethyl phenol isomer (NA)	**240,000**		4.46	"	"	"
Dimethyl phenol isomer (01) (NA)	**950,000**		4.67	"	"	"
Dimethyl phenol isomer (02) (NA)	**150,000**		4.74	"	"	"
Trimethyl phenol isomer (01) (NA)	**250,000**		4.92	"	"	"
Methyl ethyl phenol isomer (NA)	**420,000**		5.05	"	"	"
Ethyl methyl phenol isomer (01) (NA)	**250,000**		5.12	"	"	"
Ethyl methyl phenol isomer (02) (NA)	**220,000**		5.15	"	"	"
Propyl phenol isomer (NA)	**300,000**		5.24	"	"	"
Ethyl methyl phenol isomer (03) (NA)	**300,000**		5.25	"	"	"
Trimethyl phenol isomer (03) (NA)	**170,000**		5.31	"	"	"
Trimethyl phenol isomer (02) (NA)	**160,000**		5.34	"	"	"
Methyl propyl phenol isomer (02) (NA)	**290,000**		5.59	"	"	"
Methyl propyl phenol isomer (01) (NA)	**160,000**		5.68	"	"	"
Butyl phenol isomer (NA)	**160,000**		5.85	"	"	"
n-Decanoic acid (334-48-5)	**710,000**		5.94	"	"	"
Unknown (01) (NA)	**180,000**		5.99	"	"	"
Unknown (NA)	**200,000**		6.20	"	"	"
Undecanoic acid (000112-37-8)	**550,000**		6.48	"	"	"
Dodecanoic acid (143-07-7)	**360,000**		7.00	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9K0601
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/06/09
Sample Volume: 1 ml
TCLP Prepared: 11/4/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	54,800		73.1	41-121	11/06/09	11/10/09
Surr: Phenol-d5	51,800		69.0	43-118	"	"
Surr: 2-Chlorophenol-d4	55,300		73.7	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	28,900		57.8	35-110	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Methylphenol (95-48-7)	**779,000**		50,000	10	11/06/09	11/10/09
3 &/or 4-Methylphenol (106-44-5)	**812,000**		50,000	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9I0201 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		10,000	20	08/27/09	09/16/09
Antimony (7440-36-0)	U		6,000	"	"	"
Arsenic (7440-38-2)	U		10,000	"	"	"
Barium (7440-39-3)	U		1,000	"	"	"
Beryllium (7440-41-7)	U		500	"	"	"
Cadmium (7440-43-9)	U		500	"	"	"
Calcium (7440-70-2)	**17,300**		15,000	"	"	"
Chromium (7440-47-3)	U		1,000	"	"	"
Cobalt (7440-48-4)	**8,830**		2,000	"	"	"
Copper (7440-50-8)	U		2,000	"	"	"
Iron (7439-89-6)	**9,780**		2,500	"	"	"
Lead (7439-92-1)	U		3,000	"	"	"
Magnesium (7439-95-4)	U		15,000	"	"	"
Manganese (7439-96-5)	U		500	"	"	"
Nickel (7440-02-2)	**2,920**		2,000	"	"	"
Potassium (7440-09-7)	U		100,000	"	"	"
Selenium (7782-49-2)	U		10,000	"	"	"
Silver (7440-22-4)	U		1,000	"	"	"
Sodium (7440-23-5)	**37,700,000**		50,000	"	"	"
Thallium (7440-28-0)	U		10,000	"	"	"
Vanadium (7440-62-2)	U		2,000	"	"	"
Zinc (7440-66-6)	U		2,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-06 **Station ID: S5A**

Batch: B9I0105 Date Collected: 08/06/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**5.00**		0.200	1	08/26/09	08/27/09

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-07 **Station ID: S6A**

Batch: B9H2001 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		1,000	10	08/20/09	09/22/09
Antimony (7440-36-0)	U		600	"	"	"
Arsenic (7440-38-2)	U	L	1,000	"	"	"
Barium (7440-39-3)	U		100	"	"	"
Beryllium (7440-41-7)	U		50.0	"	"	"
Cadmium (7440-43-9)	U		50.0	"	"	"
Calcium (7440-70-2)	U		1,500	"	"	"
Chromium (7440-47-3)	U		100	"	"	"
Cobalt (7440-48-4)	U		200	"	"	"
Copper (7440-50-8)	U		200	"	"	"
Iron (7439-89-6)	**2,200**	**K**	250	"	"	"
Lead (7439-92-1)	U		300	"	"	"
Magnesium (7439-95-4)	U		1,500	"	"	"
Manganese (7439-96-5)	**145**		50.0	"	"	"
Nickel (7440-02-2)	U		200	"	"	"
Potassium (7440-09-7)	U		10,000	"	"	"
Selenium (7782-49-2)	U		1,000	"	"	"
Silver (7440-22-4)	U		100	"	"	"
Sodium (7440-23-5)	U		5,000	"	"	"
Thallium (7440-28-0)	U		1,000	"	"	"
Vanadium (7440-62-2)	U		200	"	"	"
Zinc (7440-66-6)	U		200	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-07 **Station ID: S6A**

Batch: B9I0105 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**0.280**		0.200	1	08/26/09	08/27/09

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-08 **Station ID: S7A**

Batch: B9H2001 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		1,000	10	08/20/09	09/22/09
Antimony (7440-36-0)	U		600	"	"	"
Arsenic (7440-38-2)	U	L	1,000	"	"	"
Barium (7440-39-3)	U		100	"	"	"
Beryllium (7440-41-7)	U		50.0	"	"	"
Cadmium (7440-43-9)	U		50.0	"	"	"
Calcium (7440-70-2)	U		1,500	"	"	"
Chromium (7440-47-3)	U		100	"	"	"
Cobalt (7440-48-4)	U		200	"	"	"
Copper (7440-50-8)	U		200	"	"	"
Iron (7439-89-6)	**2,270**	**K**	250	"	"	"
Lead (7439-92-1)	U		300	"	"	"
Magnesium (7439-95-4)	U		1,500	"	"	"
Manganese (7439-96-5)	**183**		50.0	"	"	"
Nickel (7440-02-2)	U		200	"	"	"
Potassium (7440-09-7)	U		10,000	"	"	"
Selenium (7782-49-2)	U		1,000	"	"	"
Silver (7440-22-4)	U		100	"	"	"
Sodium (7440-23-5)	U		5,000	"	"	"
Thallium (7440-28-0)	U		1,000	"	"	"
Vanadium (7440-62-2)	U		200	"	"	"
Zinc (7440-66-6)	U		200	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-08 **Station ID: S7A**

Batch: B9I0105 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/26/09	08/27/09

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-09 **Station ID: S8A**

Batch: B9H2001 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		1,000	10	08/20/09	09/22/09
Antimony (7440-36-0)	U		600	"	"	"
Arsenic (7440-38-2)	U	L	1,000	"	"	"
Barium (7440-39-3)	U		100	"	"	"
Beryllium (7440-41-7)	U		50.0	"	"	"
Cadmium (7440-43-9)	U		50.0	"	"	"
Calcium (7440-70-2)	U		1,500	"	"	"
Chromium (7440-47-3)	U		100	"	"	"
Cobalt (7440-48-4)	U		200	"	"	"
Copper (7440-50-8)	U		200	"	"	"
Iron (7439-89-6)	**274**	**K**	250	"	"	"
Lead (7439-92-1)	U		300	"	"	"
Magnesium (7439-95-4)	U		1,500	"	"	"
Manganese (7439-96-5)	**82.5**		50.0	"	"	"
Nickel (7440-02-2)	U		200	"	"	"
Potassium (7440-09-7)	U		10,000	"	"	"
Selenium (7782-49-2)	U		1,000	"	"	"
Silver (7440-22-4)	U		100	"	"	"
Sodium (7440-23-5)	U		5,000	"	"	"
Thallium (7440-28-0)	U		1,000	"	"	"
Vanadium (7440-62-2)	U		200	"	"	"
Zinc (7440-66-6)	U		200	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-09 **Station ID: S8A**

Batch: B9I0105 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**4.36**		0.200	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	45.5		90.9	84-117	08/18/09	08/18/09
Surr: Toluene-d8	45.4		90.7	79-123	"	"
Surr: 4-Bromofluorobenzene	47.5		94.9	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		50,000	10000	08/18/09	08/18/09
Chloromethane (74-87-3)	U		50,000	"	"	"
Vinyl chloride (75-01-4)	U		20,000	"	"	"
Bromomethane (74-83-9)	U		50,000	"	"	"
Chloroethane (75-00-3)	U		20,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		20,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		20,000	"	"	"
Carbon disulfide (75-15-0)	U		20,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		20,000	"	"	"
Acetone (67-64-1)	U		100,000	"	"	"
Methylene chloride (75-09-2)	U		20,000	"	"	"
Methyl acetate (79-20-9)	U		50,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		20,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		20,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	**268,000**		20,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		20,000	"	"	"
2-Butanone (78-93-3)	**101,000**		50,000	"	"	"
Chloroform (67-66-3)	U		20,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		20,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		20,000	"	"	"
Cyclohexane (110-82-7)	**1,060,000**		20,000	"	"	"
Carbon tetrachloride (56-23-5)	U		20,000	"	"	"
Benzene (71-43-2)	**3,280,000**		20,000	"	"	"
Trichloroethene (79-01-6)	U		20,000	"	"	"
Methylcyclohexane (108-87-2)	**417,000**		20,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		20,000	"	"	"
Bromodichloromethane (75-27-4)	U		20,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		20,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		20,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		20,000	10000	08/18/09	08/18/09
Dibromochloromethane (124-48-1)	U		20,000	"	"	"
Bromoform (75-25-2)	U		20,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		50,000	"	"	"
Toluene (108-88-3)	**41,100,000**	**J**	1,000,000	500000	"	11/05/09
Tetrachloroethene (127-18-4)	U		20,000	10000	"	08/18/09
2-Hexanone (591-78-6)	U		50,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		20,000	"	"	"
Chlorobenzene (108-90-7)	U		20,000	"	"	"
Ethylbenzene (100-41-4)	**23,200,000**	**J**	1,000,000	500000	"	11/05/09
meta-/para-Xylene (na)	**103,000,000**	**J**	2,000,000	"	"	"
ortho-Xylene (95-47-6)	**37,000,000**	**J**	1,000,000	"	"	"
Styrene (100-42-5)	U		20,000	10000	"	08/18/09
Isopropylbenzene (98-82-8)	**1,420,000**		20,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		20,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		20,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		20,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		20,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		50,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		50,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Cyclohexene, 4-ethenyl- (100-40-3)	**1,700,000**		8.85	10000	08/18/09	08/18/09
Methyl ethyl disulphide (020333-39-5)	**2,000,000**		9.14	"	"	"
2,3-Dimethyl-2-heptene (3074-64-4)	**1,800,000**		9.68	"	"	"
Disulfide, diethyl (110-81-6)	**1,600,000**		10.41	"	"	"
C9H12 isomer (01) (NA)	**4,200,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**1,700,000**		10.91	"	"	"
C9H12 isomer (03) (NA)	**1,400,000**		11.10	"	"	"
C9H12 isomer (04) (NA)	**6,000,000**		11.29	"	"	"
C10H12 isomer (01) (NA)	**1,500,000**		11.66	"	"	"
C9H12 isomer (05) (NA)	**2,400,000**		11.69	"	"	"
C10H14 isomer (01) (NA)	**2,800,000**		11.93	"	"	"
C10H14 isomer (02) (NA)	**1,800,000**		11.98	"	"	"
C10H14 isomer (03) (NA)	**2,800,000**		11.99	"	"	"
C10H14 isomer (04) (NA)	**1,400,000**		12.17	"	"	"
C10H14 isomer (05) (NA)	**2,600,000**		12.26	"	"	"
C10H14 isomer (06) (NA)	**2,300,000**		12.29	"	"	"
C10H14 isomer (07) (NA)	**5,000,000**		12.36	"	"	"
C10H14 isomer (08) (NA)	**3,000,000**		12.76	"	"	"
C10H14 isomer (09) (NA)	**3,900,000**		12.81	"	"	"
C10H12 isomer (02) (NA)	**1,700,000**		13.22	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Combinate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9L1001
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/07/09
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers
Benzene (71-43-2)	**223,000**	

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9K2503
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result ug/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	47.4		94.7	79-123	11/05/09	11/05/09

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**3,130,000**		20,000	10000	11/05/09	11/05/09

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9K2506
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	44.6		89.2	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**10,700**		400	200	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.101 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	531,000		35.7	10-153	08/17/09	08/19/09
Surr: Phenol-d5	1,510,000		102	16-138	"	"
Surr: 2-Chlorophenol-d4	1,440,000		97.1	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	1,010,000		102	28-127	"	"
Surr: Nitrobenzene-d5	1,000,000		101	20-142	"	"
Surr: 2-Fluorobiphenyl	985,000		99.5	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,540,000		103	10-151	"	"
Surr: Terphenyl-d14	860,000		86.8	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		39,600	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		39,600	"	"	"
Acetophenone (98-86-2)	**4,910,000**		990,000	10	"	08/19/09
Anthracene (120-12-7)	U		39,600	1	"	08/19/09
Atrazine (1912-24-9)	U		99,000	"	"	"
Benzaldehyde (100-52-7)	U		99,000	"	"	"
Benzoic acid (65-85-0)	U		198,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		99,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		99,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		99,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		99,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		99,000	"	"	"
Benzyl alcohol (100-51-6)	U		99,000	"	"	"
1,1'-Biphenyl (92-52-4)	**223,000**		99,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		99,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		99,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		99,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		99,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		99,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		99,000	"	"	"
Carbazole (86-74-8)	U		99,000	"	"	"
Caprolactam (105-60-2)	U		99,000	"	"	"
4-Chloroaniline (106-47-8)	U		99,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		99,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.101 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		99,000	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		99,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		99,000	"	"	"
Chrysene (218-01-9)	U		99,000	"	"	"
Dibenzofuran (132-64-9)	U		99,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		99,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		99,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		99,000	"	"	"
Diethyl phthalate (84-66-2)	U		99,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		99,000	"	"	"
Dimethyl phthalate (131-11-3)	U		99,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		396,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		99,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		99,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		396,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		99,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		99,000	"	"	"
Fluoranthene (206-44-0)	U		39,600	"	"	"
Fluorene (86-73-7)	U		39,600	"	"	"
Hexachlorobenzene (118-74-1)	U		99,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		99,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		99,000	"	"	"
Hexachloroethane (67-72-1)	U		99,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		99,000	"	"	"
Isophorone (78-59-1)	U		99,000	"	"	"
2-Methylnaphthalene (91-57-6)	**1,920,000**		39,600	"	"	"
2-Methylphenol (95-48-7)	U		99,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		99,000	"	"	"
Naphthalene (91-20-3)	**4,450,000**		396,000	10	"	08/19/09
2-Nitroaniline (88-74-4)	U		158,000	1	"	08/19/09
3-Nitroaniline (99-09-2)	U		158,000	"	"	"
4-Nitroaniline (100-01-6)	U		158,000	"	"	"
Nitrobenzene (98-95-3)	U		99,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.101 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		99,000	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		257,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		99,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		99,000	"	"	"
Pentachlorophenol (87-86-5)	U		99,000	"	"	"
Phenanthrene (85-01-8)	**60,200**		39,600	"	"	"
Phenol (108-95-2)	U		99,000	"	"	"
Pyrene (129-00-0)	U		39,600	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		99,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		99,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		99,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.101 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C10H20 isomer (NA)	**1,800,000**		3.24	10	08/17/09	08/19/09
Benzene, propyl- (103-65-1)	**2,300,000**		3.33	"	"	"
C9H12 isomer (02) (NA)	**4,600,000**		3.38	"	"	"
C9H12 isomer (03) (NA)	**1,600,000**		3.51	"	"	"
C9H12 isomer (05) (NA)	**9,300,000**		3.61	"	"	"
2-Hexenal, 2-ethyl- (645-62-5)	**2,600,000**		3.63	"	"	"
C9H12 isomer (04) (NA)	**3,100,000**		3.82	"	"	"
C10H12 isomer (03) (NA)	**2,200,000**		3.86	"	"	"
C10H14 isomer (01) (NA)	**5,900,000**		4.00	"	"	"
C10H14 isomer (02) (NA)	**7,600,000**		4.04	"	"	"
C10H14 isomer (03) (NA)	**3,500,000**		4.18	"	"	"
C10H14 isomer (08) (NA)	**2,800,000**		4.19	"	"	"
C10H14 isomer (07) (NA)	**6,500,000**		4.24	"	"	"
C10H14 isomer (04) (NA)	**1,400,000**		4.39	"	"	"
C10H14 isomer (05) (NA)	**3,100,000**		4.46	"	"	"
C10H14 isomer (06) (NA)	**4,500,000**		4.48	"	"	"
C10H12 isomer (01) (NA)	**3,100,000**		4.63	"	"	"
C10H12 isomer (02) (NA)	**3,700,000**		4.71	"	"	"
C8H14O4 isomer (NA)	**3,500,000**		5.21	"	"	"
C13H26O2 isomer (NA)	**2,500,000**		6.84	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9I1001 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.5213 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		9,590	1	09/10/09	09/23/09
Antimony (7440-36-0)	U		5,750	"	"	"
Arsenic (7440-38-2)	U		9,590	"	"	"
Barium (7440-39-3)	**3,400**		959	"	"	"
Beryllium (7440-41-7)	U		480	"	"	"
Cadmium (7440-43-9)	U		480	"	"	"
Calcium (7440-70-2)	**66,100**		14,400	"	"	"
Chromium (7440-47-3)	U		959	"	"	"
Cobalt (7440-48-4)	U		1,920	"	"	"
Copper (7440-50-8)	**2,160**		1,920	"	"	"
Iron (7439-89-6)	**234,000**		2,400	"	"	"
Lead (7439-92-1)	U		2,880	"	"	"
Magnesium (7439-95-4)	U		14,400	"	"	"
Manganese (7439-96-5)	**733**		480	"	"	"
Nickel (7440-02-2)	U		1,920	"	"	"
Potassium (7440-09-7)	U		95,900	"	"	"
Selenium (7782-49-2)	U		9,590	"	"	"
Silver (7440-22-4)	U		959	"	"	"
Sodium (7440-23-5)	U		48,000	"	"	"
Thallium (7440-28-0)	U		9,590	"	"	"
Vanadium (7440-62-2)	U		2,880	"	"	"
Zinc (7440-66-6)	**7,960**		1,920	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-10 **Station ID: S3B (top layer)**

Batch: B9I0106 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.125 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.0002	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	42.8		85.6	84-117	08/17/09	08/17/09
Surr: Toluene-d8	50.4		101	79-123	"	"
Surr: 4-Bromofluorobenzene	52.9		106	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5,000	1000	08/17/09	08/17/09
Chloromethane (74-87-3)	U		5,000	"	"	"
Vinyl chloride (75-01-4)	U		2,000	"	"	"
Bromomethane (74-83-9)	U		5,000	"	"	"
Chloroethane (75-00-3)	U	RL	6,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		2,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		2,000	"	"	"
Carbon disulfide (75-15-0)	U		2,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2,000	"	"	"
Acetone (67-64-1)	**91,000**	**NJ**	10,000	"	"	"
Methylene chloride (75-09-2)	U		2,000	"	"	"
Methyl acetate (79-20-9)	U		5,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	**382,000**		2,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		2,000	"	"	"
2-Butanone (78-93-3)	**104,000**	**NJ**	5,000	"	"	"
Chloroform (67-66-3)	U		2,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		2,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2,000	"	"	"
Cyclohexane (110-82-7)	**488,000**		50,000	25000	"	08/17/09
Carbon tetrachloride (56-23-5)	U		2,000	1000	"	08/17/09
Benzene (71-43-2)	**1,620,000**		50,000	25000	"	08/17/09
Trichloroethene (79-01-6)	**38,900**		2,000	1000	"	08/17/09
Methylcyclohexane (108-87-2)	**211,000**		2,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		2,000	"	"	"
Bromodichloromethane (75-27-4)	U		2,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		2,000	1000	08/17/09	08/17/09
Dibromochloromethane (124-48-1)	U		2,000	"	"	"
Bromoform (75-25-2)	U		2,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5,000	"	"	"
Toluene (108-88-3)	**2,970,000**		50,000	25000	"	08/17/09
Tetrachloroethene (127-18-4)	**40,900**		2,000	1000	"	08/17/09
2-Hexanone (591-78-6)	U		5,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		2,000	"	"	"
Chlorobenzene (108-90-7)	U		2,000	"	"	"
Ethylbenzene (100-41-4)	**2,130,000**		50,000	25000	"	08/17/09
meta-/para-Xylene (na)	**8,260,000**		100,000	"	"	"
ortho-Xylene (95-47-6)	**3,280,000**		50,000	"	"	"
Styrene (100-42-5)	U		2,000	1000	"	08/17/09
Isopropylbenzene (98-82-8)	**213,000**		2,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C8H12 isomer (NA)	**1,200,000**		8.86	1000	08/17/09	08/17/09
Methyl ethyl disulphide (020333-39-5)	**1,600,000**		9.15	"	"	"
unknown hydrocarbon (01) (NA)	**1,100,000**		9.69	"	"	"
propyl benzene (103-65-1)	**1,300,000**		10.74	"	"	"
C9H12 isomer (01) (NA)	**3,500,000**		10.83	"	"	"
C9H12 isomer (02) (NA)	**1,600,000**		10.93	"	"	"
C9H12 isomer (03) (NA)	**990,000**		11.11	"	"	"
C9H12 isomer (04) (NA)	**3,100,000**		11.29	"	"	"
C10H12 isomer (01) (NA)	**1,000,000**		11.67	"	"	"
C9H12 isomer (05) (NA)	**1,600,000**		11.70	"	"	"
C9H10 isomer (NA)	**800,000**		11.90	"	"	"
C10H14 isomer (01) (NA)	**1,600,000**		11.93	"	"	"
C10H14 isomer (02) (NA)	**830,000**		11.99	"	"	"
C10H14 isomer (03) (NA)	**1,600,000**		12.01	"	"	"
C10H14 isomer (04) (NA)	**1,000,000**		12.18	"	"	"
C10H14 isomer (05) (NA)	**970,000**		12.27	"	"	"
C10H14 isomer (06) (NA)	**2,400,000**		12.37	"	"	"
C10H14 isomer (07) (NA)	**850,000**		12.77	"	"	"
C10H14 isomer (08) (NA)	**1,600,000**		12.82	"	"	"
C10H12 isomer (02) (NA)	**760,000**		13.23	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Combinate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9L1001
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/07/09
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers
Trichloroethene (79-01-6)	**3,730**	
Benzene (71-43-2)	**164,000**	
Tetrachloroethene (127-18-4)	**3,420**	

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9K2503
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result ug/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	42.6		85.2	79-123	11/05/09	11/05/09
Surr: 4-Bromofluorobenzene	42.7		85.4	73-132	"	"

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,590,000**		10,000	5000	11/05/09	11/05/09
Trichloroethene (79-01-6)	**38,000**		10,000	"	"	"
Tetrachloroethene (127-18-4)	**35,600**		10,000	"	"	"

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9K2506
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	44.8		89.6	86-115	11/03/09	11/03/09
Surr: 4-Bromofluorobenzene	45.2		90.4	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**14,300**		200	100	11/03/09	11/03/09
Trichloroethene (79-01-6)	**139**		40.0	20	"	11/03/09
Tetrachloroethene (127-18-4)	**49.8**		40.0	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.106 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,250,000		88.1	10-153	08/17/09	08/19/09
Surr: Phenol-d5	1,320,000		93.5	16-138	"	"
Surr: 2-Chlorophenol-d4	1,290,000		91.0	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	874,000		92.6	28-127	"	"
Surr: Nitrobenzene-d5	840,000		89.1	20-142	"	"
Surr: 2-Fluorobiphenyl	883,000		93.6	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,340,000		94.6	10-151	"	"
Surr: Terphenyl-d14	831,000		88.1	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		37,700	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		37,700	"	"	"
Acetophenone (98-86-2)	**3,490,000**		943,000	10	"	08/19/09
Anthracene (120-12-7)	U		37,700	1	"	08/19/09
Atrazine (1912-24-9)	U		94,300	"	"	"
Benzaldehyde (100-52-7)	U		94,300	"	"	"
Benzoic acid (65-85-0)	U		189,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		94,300	"	"	"
Benzo (a) pyrene (50-32-8)	U		94,300	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		94,300	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		94,300	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		94,300	"	"	"
Benzyl alcohol (100-51-6)	U		94,300	"	"	"
1,1'-Biphenyl (92-52-4)	**218,000**		94,300	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		94,300	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		94,300	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		94,300	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		94,300	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		94,300	"	"	"
Butyl benzyl phthalate (85-68-7)	**102,000**		94,300	"	"	"
Carbazole (86-74-8)	U		94,300	"	"	"
Caprolactam (105-60-2)	U		94,300	"	"	"
4-Chloroaniline (106-47-8)	U		94,300	"	"	"
2-Chloronaphthalene (91-58-7)	U		94,300	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.106 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		94,300	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		94,300	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		94,300	"	"	"
Chrysene (218-01-9)	U		94,300	"	"	"
Dibenzofuran (132-64-9)	U		94,300	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		94,300	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		94,300	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		94,300	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		94,300	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		94,300	"	"	"
2,4-Dichlorophenol (120-83-2)	U		94,300	"	"	"
Diethyl phthalate (84-66-2)	U		94,300	"	"	"
2,4-Dimethylphenol (105-67-9)	U		94,300	"	"	"
Dimethyl phthalate (131-11-3)	U		94,300	"	"	"
2,4-Dinitrophenol (51-28-5)	U		377,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		94,300	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		94,300	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		377,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		94,300	"	"	"
Di-n-octyl phthalate (117-84-0)	U		94,300	"	"	"
Fluoranthene (206-44-0)	U		37,700	"	"	"
Fluorene (86-73-7)	**42,800**		37,700	"	"	"
Hexachlorobenzene (118-74-1)	U		94,300	"	"	"
Hexachlorobutadiene (87-68-3)	U		94,300	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		94,300	"	"	"
Hexachloroethane (67-72-1)	U		94,300	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		94,300	"	"	"
Isophorone (78-59-1)	U		94,300	"	"	"
2-Methylnaphthalene (91-57-6)	**1,500,000**		37,700	"	"	"
2-Methylphenol (95-48-7)	U		94,300	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		94,300	"	"	"
Naphthalene (91-20-3)	**1,630,000**		37,700	"	"	"
2-Nitroaniline (88-74-4)	U		151,000	"	"	"
3-Nitroaniline (99-09-2)	U		151,000	"	"	"
4-Nitroaniline (100-01-6)	U		151,000	"	"	"
Nitrobenzene (98-95-3)	U		94,300	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.106 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		94,300	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		245,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		94,300	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		94,300	"	"	"
Pentachlorophenol (87-86-5)	U		94,300	"	"	"
Phenanthrene (85-01-8)	**96,600**		37,700	"	"	"
Phenol (108-95-2)	U		94,300	"	"	"
Pyrene (129-00-0)	U		37,700	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		94,300	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		94,300	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		94,300	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.106 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Benzene, propyl- (103-65-1)	**2,200,000**		3.33	10	08/17/09	08/19/09
C9H12 isomer (01) (NA)	**4,300,000**		3.38	"	"	"
C9H12 isomer (03) (NA)	**8,200,000**		3.61	"	"	"
2-Hexenal, 2-ethyl- (645-62-5)	**1,800,000**		3.63	"	"	"
C9H12 isomer (02) (NA)	**4,500,000**		3.82	"	"	"
C10H14 isomer (01) (NA)	**3,400,000**		4.00	"	"	"
C10H14 isomer (02) (NA)	**4,100,000**		4.04	"	"	"
C10H14 isomer (03) (NA)	**2,000,000**		4.18	"	"	"
C10H14 isomer (04) (NA)	**3,100,000**		4.24	"	"	"
Undecane (1120-21-4)	**3,100,000**		4.28	"	"	"
Pentanedioic acid, dimethyl... (1119-40-0)	**2,200,000**		4.53	"	"	"
C8H14O4 isomer (NA)	**4,100,000**		5.21	"	"	"
Tetradecane (629-59-4)	**2,200,000**		6.15	"	"	"
Pentadecane (629-62-9)	**1,900,000**		6.71	"	"	"
C13H26O2 isomer (NA)	**1,800,000**		6.84	"	"	"
Hexadecane (544-76-3)	**1,800,000**		7.23	"	"	"
Heptadecane (629-78-7)	**2,100,000**		7.73	"	"	"
C17H34O2 isomer (NA)	**1,900,000**		8.78	"	"	"
Octadecadienoic acid, methyl ester isomer (NA)	**2,700,000**		9.51	"	"	"
Octadecenoic acid, methyl ester isomer (NA)	**3,000,000**		9.53	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9I1001 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.5523 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		9,050	1	09/10/09	09/23/09
Antimony (7440-36-0)	U		5,430	"	"	"
Arsenic (7440-38-2)	U		9,050	"	"	"
Barium (7440-39-3)	U		905	"	"	"
Beryllium (7440-41-7)	U		453	"	"	"
Cadmium (7440-43-9)	U		453	"	"	"
Calcium (7440-70-2)	U		13,600	"	"	"
Chromium (7440-47-3)	**3,650**		905	"	"	"
Cobalt (7440-48-4)	U		1,810	"	"	"
Copper (7440-50-8)	**32,500**		1,810	"	"	"
Iron (7439-89-6)	**78,400**		2,260	"	"	"
Lead (7439-92-1)	**7,440**		2,720	"	"	"
Magnesium (7439-95-4)	U		13,600	"	"	"
Manganese (7439-96-5)	**739**		453	"	"	"
Nickel (7440-02-2)	**8,780**		1,810	"	"	"
Potassium (7440-09-7)	U		90,500	"	"	"
Selenium (7782-49-2)	U		9,050	"	"	"
Silver (7440-22-4)	**1,440**		905	"	"	"
Sodium (7440-23-5)	U		45,300	"	"	"
Thallium (7440-28-0)	U		9,050	"	"	"
Vanadium (7440-62-2)	U		2,720	"	"	"
Zinc (7440-66-6)	**39,000**		1,810	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-11 **Station ID: S4B**

Batch: B9I0106 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.125 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**0.038**		0.0002	1	08/26/09	08/27/09

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	42.0		84.1	81-124	08/13/09	08/13/09
Surr: Toluene-d8	45.9		91.7	86-115	"	"
Surr: 4-Bromofluorobenzene	48.8		97.7	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**8,680**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	**1,330**		200	"	"	"
Methyl acetate (79-20-9)	**4,330**		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**583**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**5,200**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	U		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,810**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**223**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**41,300**		2,000	1000	"	08/13/09
Tetrachloroethene (127-18-4)	U		200	100	"	08/13/09
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**3,950**		200	"	"	"
meta-/para-Xylene (na)	**15,700**		400	"	"	"
ortho-Xylene (95-47-6)	**6,150**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**750**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 4.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	7,500		2.36	100	08/13/09	08/13/09
Furan, tetrahydro- (000109-99-9)	9,300		5.10	"	"	"
C9H12 isomer (01) (NA)	3,800		10.81	"	"	"
C9H12 isomer (02) (NA)	10,000		11.27	"	"	"
C9H12 isomer (03) (NA)	6,800		11.69	"	"	"
C9H10 isomer (NA)	2,500		11.88	"	"	"
C10H14 isomer (01) (NA)	5,300		11.92	"	"	"
C10H14 isomer (02) (NA)	3,700		11.97	"	"	"
C10H14 isomer (03) (NA)	6,400		11.99	"	"	"
C10H14 isomer (04) (NA)	2,800		12.16	"	"	"
C10H14 isomer (05) (NA)	5,900		12.25	"	"	"
C10H14 isomer (06) (NA)	4,800		12.28	"	"	"
C10H14 isomer (07) (NA)	11,000		12.36	"	"	"
C10H14 isomer (08) (NA)	2,600		12.65	"	"	"
C10H14 isomer (09) (NA)	8,100		12.75	"	"	"
C10H14 isomer (10) (NA)	10,000		12.80	"	"	"
C10H12 isomer (01) (NA)	3,300		13.06	"	"	"
C10H12 isomer (02) (NA)	4,500		13.22	"	"	"
C10H14 isomer (NA)	5,300		13.22	"	"	"
naphthalene (91-20-3)	4,000		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	40.3		80.5 #	86-115	11/03/09	11/03/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**389**		40.0	20	11/03/09	11/03/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 2 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	34,800		92.7	41-121	08/12/09	08/17/09
Surr: Phenol-d5	31,800		84.8	43-118	"	"
Surr: 2-Chlorophenol-d4	31,600		84.3	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	18,700		74.7	35-110	"	"
Surr: Nitrobenzene-d5	25,400		102	44-127	"	"
Surr: 2-Fluorobiphenyl	22,800		91.2	45-115	"	"
Surr: 2,4,6-Tribromophenol	41,300		110	55-139	"	"
Surr: Terphenyl-d14	28,000		112	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		1,000	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		1,000	"	"	"
Acetophenone (98-86-2)	**9,640**	**NJ**	2,500	"	"	"
Anthracene (120-12-7)	U		1,000	"	"	"
Atrazine (1912-24-9)	U		2,500	"	"	"
Benzaldehyde (100-52-7)	U		2,500	"	"	"
Benzoic acid (65-85-0)	**16,000**	**J**	5,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		2,500	"	"	"
Benzo (a) pyrene (50-32-8)	U		2,500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2,500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2,500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2,500	"	"	"
Benzyl alcohol (100-51-6)	**3,560**		2,500	"	"	"
1,1'-Biphenyl (92-52-4)	U		2,500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2,500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2,500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		2,500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	**45,800**		2,500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2,500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2,500	"	"	"
Carbazole (86-74-8)	U		2,500	"	"	"
Caprolactam (105-60-2)	U		2,500	"	"	"
4-Chloroaniline (106-47-8)	U		2,500	"	"	"
2-Chloronaphthalene (91-58-7)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 2 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		2,500	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		2,500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2,500	"	"	"
Chrysene (218-01-9)	U		2,500	"	"	"
Dibenzofuran (132-64-9)	U		2,500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2,500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2,500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2,500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2,500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		2,500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2,500	"	"	"
Diethyl phthalate (84-66-2)	U		2,500	"	"	"
2,4-Dimethylphenol (105-67-9)	**22,100**		2,500	"	"	"
Dimethyl phthalate (131-11-3)	U		2,500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		10,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2,500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2,500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		10,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		2,500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2,500	"	"	"
Fluoranthene (206-44-0)	U		1,000	"	"	"
Fluorene (86-73-7)	U		1,000	"	"	"
Hexachlorobenzene (118-74-1)	U		2,500	"	"	"
Hexachlorobutadiene (87-68-3)	U		2,500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2,500	"	"	"
Hexachloroethane (67-72-1)	U		2,500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2,500	"	"	"
Isophorone (78-59-1)	U		2,500	"	"	"
2-Methylnaphthalene (91-57-6)	**22,700**		1,000	"	"	"
2-Methylphenol (95-48-7)	**5,220**		2,500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	**8,560**		2,500	"	"	"
Naphthalene (91-20-3)	**98,000**		10,000	10	"	08/19/09
2-Nitroaniline (88-74-4)	U		4,000	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		4,000	"	"	"
4-Nitroaniline (100-01-6)	U		4,000	"	"	"
Nitrobenzene (98-95-3)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 2 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		2,500	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		6,500	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		2,500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2,500	"	"	"
Pentachlorophenol (87-86-5)	U		2,500	"	"	"
Phenanthrene (85-01-8)	**2,300**		1,000	"	"	"
Phenol (108-95-2)	**119,000**		25,000	10	"	08/19/09
Pyrene (129-00-0)	U		1,000	1	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		2,500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2,500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-12 **Station ID: S9A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 2 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Trimethyl benzene isomer (01) (NA)	**130,000**		3.50	10	08/12/09	08/19/09
Unknown glycol (NA)	**42,000**		3.54	"	"	"
Trimethyl benzene isomer (02) (NA)	**57,000**		3.72	"	"	"
Methyl propyl benzene isomer (01) (NA)	**89,000**		3.90	"	"	"
Methyl methylethyl henzene isomer (01) (NA)	**150,000**		3.95	"	"	"
Methyl propyl benzene isomer (02) (NA)	**41,000**		4.01	"	"	"
Methyl methylethyl benzene isomer (02) (NA)	**56,000**		4.10	"	"	"
Ethyl dimethyl benzene isomer (NA)	**140,000**		4.14	"	"	"
Tetramethyl benzene isomer (01) (NA)	**80,000**		4.36	"	"	"
Tetramethyl benzene isomer (02) (NA)	**120,000**		4.39	"	"	"
C10H12 isomer (NA)	**43,000**		4.61	"	"	"
Tetramethyl benzene isomer (03) (NA)	**43,000**		4.61	"	"	"
Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]- (112-35-6)	**62,000**		4.98	"	"	"
Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]- (000112-50-5)	**44,000**		5.39	"	"	"
C14H22O isomer (NA)	**43,000**		6.37	"	"	"
1-Pentadecene (13360-61-7)	**38,000**		8.49	"	"	"
Pentadecanoic acid, 14-methyl-, methyl ester (005129-60-2)	**39,000**		8.68	"	"	"
1-Octadecanol (112-92-5)	**68,000**		9.36	"	"	"
Octadecenoic acid methyl ester isomer (NA)	**35,000**		9.43	"	"	"
9-Octadecenoic acid isomer (NA)	**55,000**		9.58	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	44.2		88.4	81-124	08/16/09	08/16/09
Surr: Toluene-d8	46.1		92.1	86-115	"	"
Surr: 4-Bromofluorobenzene	48.5		97.0	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/16/09	08/16/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**11,300**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	**8,080**		200	"	"	"
Methyl acetate (79-20-9)	**1,150**		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**2,490**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**93,000**		10,000	2000	"	08/16/09
Chloroform (67-66-3)	U		200	100	"	08/16/09
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**1,750**	**N**	200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**2,480**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**4,140**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/16/09	08/16/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**15,000**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**15,300**		200	"	"	"
meta-/para-Xylene (na)	**65,700**		400	"	"	"
ortho-Xylene (95-47-6)	**26,900**		200	"	"	"
Styrene (100-42-5)	**14,200**		200	"	"	"
Isopropylbenzene (98-82-8)	**1,460**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 6.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9I0301 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C5H8O2 isomer (NA)	**91,000**		6.95	100	08/16/09	08/16/09
Nonane (111-84-2)	**12,000**		9.61	"	"	"
C9H12 isomer (01) (NA)	**20,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**35,000**		11.28	"	"	"
C9H12 isomer (03) (NA)	**30,000**		11.69	"	"	"
C9H10 isomer (NA)	**18,000**		11.88	"	"	"
C10H14 isomer (01) (NA)	**44,000**		11.92	"	"	"
C10H14 isomer (02) (NA)	**28,000**		11.98	"	"	"
C10H14 isomer (03) (NA)	**61,000**		11.99	"	"	"
C10H14 isomer (04) (NA)	**24,000**		12.17	"	"	"
C10H14 isomer (05) (NA)	**43,000**		12.26	"	"	"
C10H14 isomer (06) (NA)	**39,000**		12.29	"	"	"
C10H14 isomer (07) (NA)	**82,000**		12.36	"	"	"
C10H14 isomer (08) (NA)	**19,000**		12.66	"	"	"
C10H14 isomer (09) (NA)	**57,000**		12.76	"	"	"
C10H14 isomer (10) (NA)	**72,000**		12.81	"	"	"
C10H12 isomer (01) (NA)	**25,000**		13.06	"	"	"
C10H14 isomer (NA)	**35,000**		13.22	"	"	"
C10H12 isomer (02) (NA)	**28,000**		13.23	"	"	"
naphthalene (91-20-3)	**28,000**		13.83	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	28,200		37.5 #	41-121	08/12/09	08/17/09
Surr: Phenol-d5	61,300		81.7	43-118	"	"
Surr: 2-Chlorophenol-d4	55,700		74.3	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	37,600		75.2	35-110	"	"
Surr: Nitrobenzene-d5	37,800		75.7	44-127	"	"
Surr: 2-Fluorobiphenyl	47,600		95.3	45-115	"	"
Surr: 2,4,6-Tribromophenol	90,900		121	55-139	"	"
Surr: Terphenyl-d14	56,100		112	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	**4,960**		2,000	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		2,000	"	"	"
Acetophenone (98-86-2)	U	RL	400,000	"	"	"
Anthracene (120-12-7)	U		2,000	"	"	"
Atrazine (1912-24-9)	U		5,000	"	"	"
Benzaldehyde (100-52-7)	U	RL	70,000	"	"	"
Benzoic acid (65-85-0)	**16,500**	**J**	10,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		5,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		5,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		5,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		5,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		5,000	"	"	"
Benzyl alcohol (100-51-6)	U		5,000	"	"	"
1,1'-Biphenyl (92-52-4)	**8,970**		5,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		5,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		5,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U	RL	25,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	**15,700**		5,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		5,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		5,000	"	"	"
Carbazole (86-74-8)	U		5,000	"	"	"
Caprolactam (105-60-2)	U	RL	80,000	"	"	"
4-Chloroaniline (106-47-8)	U		5,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		5,000	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		5,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	**59,500**	**K**	5,000	"	"	"
Chrysene (218-01-9)	U		5,000	"	"	"
Dibenzofuran (132-64-9)	U		5,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		5,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		5,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		5,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		5,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		5,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		5,000	"	"	"
Diethyl phthalate (84-66-2)	U		5,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		5,000	"	"	"
Dimethyl phthalate (131-11-3)	U		5,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		20,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		5,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		5,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		20,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		5,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		5,000	"	"	"
Fluoranthene (206-44-0)	U		2,000	"	"	"
Fluorene (86-73-7)	**4,510**		2,000	"	"	"
Hexachlorobenzene (118-74-1)	U		5,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		5,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		5,000	"	"	"
Hexachloroethane (67-72-1)	U		5,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		5,000	"	"	"
Isophorone (78-59-1)	U		5,000	"	"	"
2-Methylnaphthalene (91-57-6)	**91,000**		20,000	10	"	08/17/09
2-Methylphenol (95-48-7)	U	RL	10,000	1	"	08/17/09
3 &/or 4-Methylphenol (106-44-5)	U		5,000	"	"	"
Naphthalene (91-20-3)	**843,000**		20,000	10	"	08/17/09
2-Nitroaniline (88-74-4)	U		8,000	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		8,000	"	"	"
4-Nitroaniline (100-01-6)	U		8,000	"	"	"
Nitrobenzene (98-95-3)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		5,000	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		13,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		5,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		5,000	"	"	"
Pentachlorophenol (87-86-5)	U		5,000	"	"	"
Phenanthrene (85-01-8)	**12,400**		2,000	"	"	"
Phenol (108-95-2)	**80,900**		5,000	"	"	"
Pyrene (129-00-0)	**3,600**		2,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		5,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		5,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-13 **Station ID: S10A**

Batch: B9H1201 Date Collected: 08/07/09
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethyl methyl benzene isomer (NA)	**390,000**		3.37	10	08/12/09	08/17/09
Trimethyl benzene isomer (01) (NA)	**960,000**		3.61	"	"	"
Trimethyl benzene isomer (02) (NA)	**590,000**		3.82	"	"	"
Benzene, cyclopropyl- (873-49-4)	**240,000**		3.93	"	"	"
Methyl propyl benzene isomer (01) (NA)	**1,100,000**		4.01	"	"	"
Methyl propyl benzene isomer (NA)	**750,000**		4.04	"	"	"
Methyl methylethyl benzene isomer (01) (NA)	**860,000**		4.06	"	"	"
Methyl propyl benzene isomer (02) (NA)	**430,000**		4.12	"	"	"
Ethyl dimethyl benzene isomer (01) (NA)	**770,000**		4.20	"	"	"
Methyl methylethyl benzene isomer (02) (NA)	**710,000**		4.21	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**1,400,000**		4.25	"	"	"
Undecane (1120-21-4)	**510,000**		4.29	"	"	"
Tetramethyl benzene isomer (01) (NA)	**450,000**		4.47	"	"	"
Tetramethyl benzene isomer (02) (NA)	**530,000**		4.51	"	"	"
C10H12 isomer (NA)	**360,000**		4.64	"	"	"
C10H12 isomer (01) (NA)	**250,000**		4.72	"	"	"
Tetramethyl benzene isomer (03) (NA)	**250,000**		4.73	"	"	"
C11H20O2 isomer (NA)	**260,000**		5.15	"	"	"
Octadecadienoic acid, methyl ester isomer (NA)	**350,000**		9.53	"	"	"
Octadecenoic acid methyl ester isomer (NA)	**310,000**		9.55	"	"	"

Total # of TICs: 20

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	39.3		78.6 #	84-117	08/17/09	08/17/09
Surr: Toluene-d8	28.3		56.7 #	79-123	"	"
Surr: 4-Bromofluorobenzene	50.2		100	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5,000	1000	08/17/09	08/17/09
Chloromethane (74-87-3)	U		5,000	"	"	"
Vinyl chloride (75-01-4)	U		2,000	"	"	"
Bromomethane (74-83-9)	U		5,000	"	"	"
Chloroethane (75-00-3)	U	RL	6,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		2,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		2,000	"	"	"
Carbon disulfide (75-15-0)	**5,850**		2,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2,000	"	"	"
Acetone (67-64-1)	U	RL	20,000	"	"	"
Methylene chloride (75-09-2)	U		2,000	"	"	"
Methyl acetate (79-20-9)	U		5,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	**21,500**		2,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		2,000	"	"	"
2-Butanone (78-93-3)	U		5,000	"	"	"
Chloroform (67-66-3)	U		2,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		2,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2,000	"	"	"
Cyclohexane (110-82-7)	**402,000**		100,000	50000	"	08/17/09
Carbon tetrachloride (56-23-5)	U		2,000	1000	"	08/17/09
Benzene (71-43-2)	**217,000**		2,000	"	"	"
Trichloroethene (79-01-6)	**284,000**		2,000	"	"	"
Methylcyclohexane (108-87-2)	**241,000**		2,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		2,000	"	"	"
Bromodichloromethane (75-27-4)	U		2,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		2,000	1000	08/17/09	08/17/09
Dibromochloromethane (124-48-1)	U		2,000	"	"	"
Bromoform (75-25-2)	U		2,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5,000	"	"	"
Toluene (108-88-3)	**87,800,000**		1,000,000	500000	"	08/17/09
Tetrachloroethene (127-18-4)	**28,100**		2,000	1000	"	08/17/09
2-Hexanone (591-78-6)	U		5,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		2,000	"	"	"
Chlorobenzene (108-90-7)	U		2,000	"	"	"
Ethylbenzene (100-41-4)	**4,390,000**		100,000	50000	"	08/17/09
meta-/para-Xylene (na)	**17,700,000**		200,000	"	"	"
ortho-Xylene (95-47-6)	**6,170,000**		100,000	"	"	"
Styrene (100-42-5)	U		2,000	1000	"	08/17/09
Isopropylbenzene (98-82-8)	**412,000**		100,000	50000	"	08/17/09
1,1,2,2-Tetrachloroethane (79-34-5)	U		2,000	1000	"	08/17/09
1,3-Dichlorobenzene (541-73-1)	U		2,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
propyl benzene (103-65-1)	**980,000**		10.74	1000	08/17/09	08/17/09
C9H12 isomer (01) (NA)	**2,400,000**		10.83	"	"	"
C9H12 isomer (NA)	**890,000**		10.93	"	"	"
C9H12 isomer (04) (NA)	**860,000**		11.12	"	"	"
C9H12 isomer (02) (NA)	**2,500,000**		11.29	"	"	"
C9H12 isomer (03) (NA)	**2,300,000**		11.70	"	"	"
C9H10 isomer (NA)	**990,000**		11.90	"	"	"
C10H14 isomer (01) (NA)	**3,500,000**		11.92	"	"	"
C10H14 isomer (02) (NA)	**2,000,000**		12.00	"	"	"
C10H14 isomer (NA)	**1,700,000**		12.20	"	"	"
C10H14 isomer (03) (NA)	**2,900,000**		12.27	"	"	"
C10H14 isomer (08) (NA)	**1,600,000**		12.33	"	"	"
C10H14 isomer (04) (NA)	**2,500,000**		12.38	"	"	"
C10H14 isomer (10) (NA)	**1,600,000**		12.50	"	"	"
C10H14 isomer (09) (NA)	**1,300,000**		12.68	"	"	"
C10H14 isomer (06) (NA)	**2,500,000**		12.77	"	"	"
C10H14 isomer (07) (NA)	**2,300,000**		12.83	"	"	"
C10H12 isomer (01) (NA)	**1,200,000**		13.09	"	"	"
C10H12 isomer (02) (NA)	**1,200,000**		13.25	"	"	"
Naphthalene (91-20-3)	**950,000**		13.84	"	"	"

Total # of TICs: 20

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9K2506
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	45.9		91.8	86-115	11/03/09	11/03/09
Surr: 4-Bromofluorobenzene	44.8		89.5	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**4,710**		400	200	11/03/09	11/03/09
Trichloroethene (79-01-6)	**5,660**		400	"	"	"
Tetrachloroethene (127-18-4)	**538**		400	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.204 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	570,000		77.5	10-153	08/17/09	08/19/09
Surr: Phenol-d5	727,000		98.9	16-138	"	"
Surr: 2-Chlorophenol-d4	709,000		96.4	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	486,000		99.1	28-127	"	"
Surr: Nitrobenzene-d5	447,000		91.1	20-142	"	"
Surr: 2-Fluorobiphenyl	489,000		99.8	40-129	"	"
Surr: 2,4,6-Tribromophenol	765,000		104	10-151	"	"
Surr: Terphenyl-d14	467,000		95.2	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		19,600	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		19,600	"	"	"
Acetophenone (98-86-2)	U		49,000	"	"	"
Anthracene (120-12-7)	U		19,600	"	"	"
Atrazine (1912-24-9)	U		49,000	"	"	"
Benzaldehyde (100-52-7)	U		49,000	"	"	"
Benzoic acid (65-85-0)	U		98,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		49,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		49,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		49,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		49,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		49,000	"	"	"
Benzyl alcohol (100-51-6)	U		49,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		49,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		49,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		49,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		49,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		49,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		49,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		49,000	"	"	"
Carbazole (86-74-8)	U		49,000	"	"	"
Caprolactam (105-60-2)	U		49,000	"	"	"
4-Chloroaniline (106-47-8)	U		49,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		49,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.204 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		49,000	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		49,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		49,000	"	"	"
Chrysene (218-01-9)	U		49,000	"	"	"
Dibenzofuran (132-64-9)	U		49,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		49,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		49,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		49,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		49,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		49,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		49,000	"	"	"
Diethyl phthalate (84-66-2)	U		49,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		49,000	"	"	"
Dimethyl phthalate (131-11-3)	U		49,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		196,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		49,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		49,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		196,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		49,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		49,000	"	"	"
Fluoranthene (206-44-0)	U		19,600	"	"	"
Fluorene (86-73-7)	U		19,600	"	"	"
Hexachlorobenzene (118-74-1)	U		49,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		49,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		49,000	"	"	"
Hexachloroethane (67-72-1)	U		49,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		49,000	"	"	"
Isophorone (78-59-1)	U		49,000	"	"	"
2-Methylnaphthalene (91-57-6)	**300,000**		19,600	"	"	"
2-Methylphenol (95-48-7)	U		49,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		49,000	"	"	"
Naphthalene (91-20-3)	**2,600,000**		196,000	10	"	08/19/09
2-Nitroaniline (88-74-4)	U		78,400	1	"	08/19/09
3-Nitroaniline (99-09-2)	U		78,400	"	"	"
4-Nitroaniline (100-01-6)	U		78,400	"	"	"
Nitrobenzene (98-95-3)	U		49,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.204 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		49,000	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		127,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		49,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		49,000	"	"	"
Pentachlorophenol (87-86-5)	U		49,000	"	"	"
Phenanthrene (85-01-8)	**45,800**		19,600	"	"	"
Phenol (108-95-2)	**71,900**		49,000	"	"	"
Pyrene (129-00-0)	U		19,600	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		49,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		49,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		49,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-14 **Station ID: S5B**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.204 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C9H12 isomer (01) (NA)	**1,200,000**		3.38	10	08/17/09	08/19/09
C9H12 isomer (03) (NA)	**2,100,000**		3.61	"	"	"
C9H12 isomer (02) (NA)	**1,600,000**		3.82	"	"	"
C10H14 isomer (01) (NA)	**2,900,000**		4.00	"	"	"
C10H14 isomer (02) (NA)	**4,200,000**		4.04	"	"	"
C10H14 isomer (03) (NA)	**850,000**		4.11	"	"	"
C10H14 isomer (04) (NA)	**2,000,000**		4.18	"	"	"
C10H14 isomer (05) (NA)	**1,300,000**		4.19	"	"	"
C10H14 isomer (NA)	**3,500,000**		4.24	"	"	"
Undecane (1120-21-4)	**1,100,000**		4.28	"	"	"
C10H14 isomer (06) (NA)	**1,600,000**		4.45	"	"	"
C10H14 isomer (07) (NA)	**2,200,000**		4.48	"	"	"
C10H12 isomer (NA)	**1,300,000**		4.62	"	"	"
C10H14 isomer (08) (NA)	**2,000,000**		4.71	"	"	"
Tridecane (629-50-5)	**710,000**		5.56	"	"	"
Tetradecane (629-59-4)	**790,000**		6.15	"	"	"
Pentadecane (629-62-9)	**730,000**		6.70	"	"	"
Hexadecane (544-76-3)	**660,000**		7.23	"	"	"
Heptadecane (629-78-7)	**680,000**		7.73	"	"	"
Heneicosane (629-94-7)	**640,000**		9.50	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-15 **Station ID: S6B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	42.9		85.7	81-124	08/13/09	08/13/09
Surr: Toluene-d8	46.4		92.9	86-115	"	"
Surr: 4-Bromofluorobenzene	48.0		96.0	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/13/09	08/13/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**3,310**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	**392**	**B**	200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**418**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**2,010**	**L**	500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**1,540**		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**2,290**		200	"	"	"
Trichloroethene (79-01-6)	**1,640**		200	"	"	"
Methylcyclohexane (108-87-2)	**911**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-15 **Station ID: S6B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/13/09	08/13/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**331,000**		5,000	2500	"	08/13/09
Tetrachloroethene (127-18-4)	U		200	100	"	08/13/09
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**19,500**		200	"	"	"
meta-/para-Xylene (na)	**75,200**		400	"	"	"
ortho-Xylene (95-47-6)	**28,600**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**1,720**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-15 **Station ID: S6B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	**5,300**		2.35	100	08/13/09	08/13/09
C9H12 isomer (01) (NA)	**12,000**		10.82	"	"	"
C9H12 isomer (02) (NA)	**19,000**		11.27	"	"	"
C9H12 isomer (03) (NA)	**15,000**		11.69	"	"	"
C9H10 isomer (NA)	**5,800**		11.88	"	"	"
C10H14 isomer (01) (NA)	**18,000**		11.92	"	"	"
C10H14 isomer (02) (NA)	**11,000**		11.97	"	"	"
C10H14 isomer (03) (NA)	**20,000**		11.99	"	"	"
C10H14 isomer (04) (NA)	**9,000**		12.16	"	"	"
C10H14 isomer (05) (NA)	**16,000**		12.25	"	"	"
C10H14 isomer (06) (NA)	**15,000**		12.29	"	"	"
C10H14 isomer (07) (NA)	**32,000**		12.36	"	"	"
C10H14 isomer (08) (NA)	**7,600**		12.65	"	"	"
C10H14 isomer (09) (NA)	**22,000**		12.75	"	"	"
C10H14 isomer (10) (NA)	**29,000**		12.80	"	"	"
C10H12 isomer (01) (NA)	**14,000**		13.06	"	"	"
C10H14 isomer (NA)	**15,000**		13.22	"	"	"
C10H12 isomer (03) (NA)	**16,000**		13.22	"	"	"
C11H16 isomer (NA)	**5,500**		13.60	"	"	"
naphthalene (91-20-3)	**12,000**		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-15 **Station ID: S6B**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 4-Bromofluorobenzene	46.2		92.3	76-115	11/04/09	11/04/09
Surr: Toluene-d8	47.7		95.4	86-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,690**		200	100	11/04/09	11/04/09
Trichloroethene (79-01-6)	**1,040**		200	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-15RE1 **Station ID: S6B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	5,750		76.7	41-121	08/13/09	08/17/09
Surr: Phenol-d5	6,140		81.8	43-118	"	"
Surr: 2-Chlorophenol-d4	5,570		74.2	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	3,440		68.7	35-110	"	"
Surr: Nitrobenzene-d5	4,850		97.0	44-127	"	"
Surr: 2-Fluorobiphenyl	4,320		86.4	45-115	"	"
Surr: 2,4,6-Tribromophenol	8,140		109	55-139	"	"
Surr: Terphenyl-d14	5,660		113	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		200	1	08/13/09	08/17/09
Acenaphthylene (208-96-8)	U		200	"	"	"
Acetophenone (98-86-2)	**898**	**J**	500	"	"	"
Anthracene (120-12-7)	U		200	"	"	"
Atrazine (1912-24-9)	U		500	"	"	"
Benzaldehyde (100-52-7)	U		500	"	"	"
Benzoic acid (65-85-0)	**1,250**	**J**	1,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		500	"	"	"
Benzo (a) pyrene (50-32-8)	U		500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		500	"	"	"
Benzyl alcohol (100-51-6)	**523**	**L**	500	"	"	"
1,1'-Biphenyl (92-52-4)	U		500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		500	"	"	"
Carbazole (86-74-8)	U		500	"	"	"
Caprolactam (105-60-2)	U		500	"	"	"
4-Chloroaniline (106-47-8)	U		500	"	"	"
2-Chloronaphthalene (91-58-7)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-15RE1 **Station ID: S6B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		500	1	08/13/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		500	"	"	"
Chrysene (218-01-9)	U		500	"	"	"
Dibenzofuran (132-64-9)	U		500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		500	"	"	"
Diethyl phthalate (84-66-2)	U		500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		500	"	"	"
Dimethyl phthalate (131-11-3)	U		500	"	"	"
2,4-Dinitrophenol (51-28-5)	U	RL	6,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		2,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		500	"	"	"
Fluoranthene (206-44-0)	U		200	"	"	"
Fluorene (86-73-7)	U		200	"	"	"
Hexachlorobenzene (118-74-1)	U		500	"	"	"
Hexachlorobutadiene (87-68-3)	U		500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U	RL	2,000	"	"	"
Hexachloroethane (67-72-1)	U		500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		500	"	"	"
Isophorone (78-59-1)	U		500	"	"	"
2-Methylnaphthalene (91-57-6)	**3,310**		200	"	"	"
2-Methylphenol (95-48-7)	**880**		500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	**928**		500	"	"	"
Naphthalene (91-20-3)	**27,300**		1,000	5	"	08/19/09
2-Nitroaniline (88-74-4)	U		800	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		800	"	"	"
4-Nitroaniline (100-01-6)	U		800	"	"	"
Nitrobenzene (98-95-3)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-15RE1 **Station ID: S6B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		500	1	08/13/09	08/17/09
4-Nitrophenol (100-02-7)	U		1,300	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		500	"	"	"
Pentachlorophenol (87-86-5)	U		500	"	"	"
Phenanthrene (85-01-8)	**369**		200	"	"	"
Phenol (108-95-2)	**9,490**		500	"	"	"
Pyrene (129-00-0)	U		200	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-15RE1 **Station ID: S6B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol, 2-butoxy- (111-76-2)	**39,000**		3.03	1	08/13/09	08/17/09
Ethyl methyl benzene isomer (01) (NA)	**11,000**		3.39	"	"	"
Trimethyl benzene isomer (01) (NA)	**3,700**		3.43	"	"	"
Ethyl methyl benzene isomer (02) (NA)	**3,800**		3.52	"	"	"
Trimethyl benzene isomer (02) (NA)	**18,000**		3.62	"	"	"
Trimethyl benzene isomer (03) (NA)	**14,000**		3.84	"	"	"
Benzene, cyclopropyl- (873-49-4)	**7,900**		3.93	"	"	"
Methyl propyl benzene isomer (01) (NA)	**16,000**		4.02	"	"	"
Methyl propyl benzene isomer (02) (NA)	**11,000**		4.05	"	"	"
Methyl methylethyl benzene isomer (NA)	**11,000**		4.07	"	"	"
Methyl propyl benzene isomer (03) (NA)	**6,900**		4.13	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**18,000**		4.27	"	"	"
Undecane (1120-21-4)	**4,500**		4.29	"	"	"
Tetramethyl benzene isomer (01) (NA)	**6,700**		4.48	"	"	"
Tetramethyl benzene isomer (02) (NA)	6,700		4.51	"	"	"
C10H12 isomer (NA)	**5,500**		4.65	"	"	"
C10H12 isomer (01) (NA)	**4,300**		4.73	"	"	"
Tetramethyl benzene isomer (03) (NA)	**4,300**		4.74	"	"	"
Tetradecane (629-59-4)	**3,900**		6.17	"	"	"
Ethanol, 2-(2-phenoxyethoxy)- (000104-68-7)	**5,400**		6.89	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	44.5		89.1	81-124	08/14/09	08/14/09
Surr: Toluene-d8	45.2		90.4	86-115	"	"
Surr: 4-Bromofluorobenzene	47.4		94.7	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/14/09	08/14/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**3,510**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	**415**	**B, L**	200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**389**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**2,080**		500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**667**		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,910**		200	"	"	"
Trichloroethene (79-01-6)	**1,080**		200	"	"	"
Methylcyclohexane (108-87-2)	**345**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/14/09	08/14/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**252,000**		5,000	2500	"	08/14/09
Tetrachloroethene (127-18-4)	U		200	100	"	08/14/09
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**9,250**		200	"	"	"
meta-/para-Xylene (na)	**37,000**		400	"	"	"
ortho-Xylene (95-47-6)	**13,800**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**724**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 3.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	**5,500**		2.35	100	08/14/09	08/14/09
Butanal (123-72-8)	**3,800**		4.52	"	"	"
propyl benzene (103-65-1)	**3,000**		10.72	"	"	"
C9H12 isomer (01) (NA)	**4,900**		10.81	"	"	"
C9H12 isomer (02) (NA)	**7,800**		11.27	"	"	"
C9H12 isomer (03) (NA)	**6,700**		11.69	"	"	"
C9H10 isomer (NA)	**3,000**		11.88	"	"	"
C10H14 isomer (01) (NA)	**6,700**		11.92	"	"	"
C10H14 isomer (02) (NA)	**4,500**		11.97	"	"	"
C10H14 isomer (03) (NA)	**7,700**		11.99	"	"	"
C10H14 isomer (04) (NA)	**3,400**		12.16	"	"	"
C10H14 isomer (05) (NA)	**6,500**		12.25	"	"	"
C10H14 isomer (06) (NA)	**5,700**		12.28	"	"	"
C10H14 isomer (07) (NA)	**12,000**		12.36	"	"	"
C10H14 isomer (08) (NA)	**8,500**		12.75	"	"	"
C10H14 isomer (09) (NA)	**11,000**		12.80	"	"	"
C10H12 isomer (01) (NA)	**5,200**		13.06	"	"	"
C10H14 isomer (NA)	**5,800**		13.22	"	"	"
C10H12 isomer (03) (NA)	**6,600**		13.22	"	"	"
naphthalene (91-20-3)	**4,900**		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 4-Bromofluorobenzene	42.5		85.0	76-115	11/04/09	11/04/09
Surr: Toluene-d8	44.0		87.9	86-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,310**		200	100	11/04/09	11/04/09
Trichloroethene (79-01-6)	**600**		200	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	5,540		73.8	41-121	08/12/09	08/17/09
Surr: Phenol-d5	5,890		78.5	43-118	"	"
Surr: 2-Chlorophenol-d4	6,300		84.0	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	3,920		78.4	35-110	"	"
Surr: Nitrobenzene-d5	3,900		78.1	44-127	"	"
Surr: 2-Fluorobiphenyl	4,580		91.6	45-115	"	"
Surr: 2,4,6-Tribromophenol	8,760		117	55-139	"	"
Surr: Terphenyl-d14	5,460		109	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		200	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		200	"	"	"
Acetophenone (98-86-2)	**950**	**J**	500	"	"	"
Anthracene (120-12-7)	U		200	"	"	"
Atrazine (1912-24-9)	U		500	"	"	"
Benzaldehyde (100-52-7)	U		500	"	"	"
Benzoic acid (65-85-0)	**1,380**	**J**	1,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		500	"	"	"
Benzo (a) pyrene (50-32-8)	U		500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		500	"	"	"
Benzyl alcohol (100-51-6)	**636**	**J**	500	"	"	"
1,1'-Biphenyl (92-52-4)	U		500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		500	"	"	"
Carbazole (86-74-8)	U		500	"	"	"
Caprolactam (105-60-2)	U		500	"	"	"
4-Chloroaniline (106-47-8)	U		500	"	"	"
2-Chloronaphthalene (91-58-7)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		500	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		500	"	"	"
Chrysene (218-01-9)	U		500	"	"	"
Dibenzofuran (132-64-9)	U		500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		500	"	"	"
Diethyl phthalate (84-66-2)	U		500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		500	"	"	"
Dimethyl phthalate (131-11-3)	U		500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		2,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		2,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		500	"	"	"
Fluoranthene (206-44-0)	U		200	"	"	"
Fluorene (86-73-7)	U		200	"	"	"
Hexachlorobenzene (118-74-1)	U		500	"	"	"
Hexachlorobutadiene (87-68-3)	U		500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		500	"	"	"
Hexachloroethane (67-72-1)	U		500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		500	"	"	"
Isophorone (78-59-1)	U		500	"	"	"
2-Methylnaphthalene (91-57-6)	**1,860**		1,000	5	"	08/17/09
2-Methylphenol (95-48-7)	**839**	**J**	500	1	"	08/17/09
3 &/or 4-Methylphenol (106-44-5)	**740**	**J**	500	"	"	"
Naphthalene (91-20-3)	**15,700**		1,000	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		800	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		800	"	"	"
4-Nitroaniline (100-01-6)	U		800	"	"	"
Nitrobenzene (98-95-3)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		500	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		1,300	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		500	"	"	"
Pentachlorophenol (87-86-5)	U		500	"	"	"
Phenanthrene (85-01-8)	**240**		200	"	"	"
Phenol (108-95-2)	**9,290**		2,500	5	"	08/17/09
Pyrene (129-00-0)	U		200	1	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-16 **Station ID: S7B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol, 2-butoxy- (111-76-2)	**44,000**		3.02	1	08/12/09	08/17/09
Ethyl methyl benzene isomer (NA)	**7,100**		3.38	"	"	"
Trimethyl benzene isomer (02) (NA)	**14,000**		3.61	"	"	"
Trimethyl benzene isomer (03) (NA)	**8,600**		3.83	"	"	"
Benzene, cyclopropyl- (873-49-4)	**4,600**		3.93	"	"	"
Methyl propyl benzene isomer (01) (NA)	**12,000**		4.01	"	"	"
Methyl propyl benzene isomer (02) (NA)	**7,700**		4.04	"	"	"
Methyl methylethyl benzene isomer (NA)	**10,000**		4.06	"	"	"
Methylpropyl benzene isomer (NA)	**5,000**		4.13	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**7,800**		4.20	"	"	"
Ethyl dimethyl benzene isomer (03) (NA)	**7,400**		4.21	"	"	"
Ethyl dimethyl benzene isomer (04) (NA)	**15,000**		4.26	"	"	"
Tetramethyl benzene isomer (01) (NA)	**4,800**		4.48	"	"	"
Tetramethyl benzene isomer (02) (NA)	**5,800**		4.51	"	"	"
C10H12 isomer (NA)	**3,700**		4.64	"	"	"
C10H12 isomer (01) (NA)	**3,000**		4.72	"	"	"
Tetramethyl benzene isomer (03) (NA)	**3,000**		4.73	"	"	"
Ethanol, 2-phenoxy- (122-99-6)	**2,800**		5.16	"	"	"
Tetradecane (629-59-4)	**2,300**		6.17	"	"	"
Ethanol, 2-(2-phenoxyethoxy)- (000104-68-7)	**4,900**		6.88	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	46.0		92.0	81-124	08/14/09	08/14/09
Surr: Toluene-d8	46.5		92.9	86-115	"	"
Surr: 4-Bromofluorobenzene	48.2		96.5	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/14/09	08/14/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**4,030**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	**1,460**	**L**	200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**1,400**		500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**1,970**		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,160**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**405**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/14/09	08/14/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**12,200**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**10,200**		200	"	"	"
meta-/para-Xylene (na)	**40,100**		400	"	"	"
ortho-Xylene (95-47-6)	**14,600**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**1,220**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 5.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	**40,000**		2.36	100	08/14/09	08/14/09
unknown hydrocarbon (01) (NA)	**3,900**		3.79	"	"	"
C8H18 isomer (NA)	**2,200**		5.92	"	"	"
C9H12 isomer (01) (NA)	**3,500**		10.82	"	"	"
C9H12 isomer (02) (NA)	**5,700**		11.27	"	"	"
C9H12 isomer (03) (NA)	**3,800**		11.69	"	"	"
C9H10 isomer (NA)	**3,400**		11.89	"	"	"
unknown hydrocarbon (02) (NA)	**3,900**		11.92	"	"	"
C10H14 isomer (01) (NA)	**2,800**		11.97	"	"	"
C10H14 isomer (02) (NA)	**4,600**		11.99	"	"	"
C10H14 isomer (03) (NA)	**2,100**		12.16	"	"	"
C10H14 isomer (04) (NA)	**3,900**		12.25	"	"	"
C10H14 isomer (05) (NA)	**3,500**		12.29	"	"	"
C10H14 isomer (06) (NA)	**7,500**		12.36	"	"	"
C10H14 isomer (07) (NA)	**5,400**		12.75	"	"	"
C10H14 isomer (08) (NA)	**7,200**		12.80	"	"	"
C10H12 isomer (01) (NA)	**3,400**		13.06	"	"	"
C10H14 isomer (NA)	**3,800**		13.22	"	"	"
C10H12 isomer (03) (NA)	**4,500**		13.22	"	"	"
naphthalene (91-20-3)	**4,100**		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	42.3		84.6 #	86-115	11/03/09	11/03/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**343**		40.0	20	11/03/09	11/03/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	10,900		72.5	41-121	08/12/09	08/17/09
Surr: Phenol-d5	6,330		42.2 #	43-118	"	"
Surr: 2-Chlorophenol-d4	12,100		80.6	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	8,280		82.8	35-110	"	"
Surr: Nitrobenzene-d5	9,780		97.8	44-127	"	"
Surr: 2-Fluorobiphenyl	9,370		93.7	45-115	"	"
Surr: 2,4,6-Tribromophenol	19,600		131	55-139	"	"
Surr: Terphenyl-d14	10,700		107	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	**500**		400	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		400	"	"	"
Acetophenone (98-86-2)	U		1,000	"	"	"
Anthracene (120-12-7)	U		400	"	"	"
Atrazine (1912-24-9)	U		1,000	"	"	"
Benzaldehyde (100-52-7)	U		1,000	"	"	"
Benzoic acid (65-85-0)	**24,500**	**J**	10,000	5	"	08/17/09
Benzo (a) anthracene (56-55-3)	U		1,000	1	"	08/17/09
Benzo (a) pyrene (50-32-8)	U		1,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,000	"	"	"
Benzyl alcohol (100-51-6)	**3,190**		1,000	"	"	"
1,1'-Biphenyl (92-52-4)	**1,580**		1,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		1,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	**1,160**		1,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,000	"	"	"
Carbazole (86-74-8)	U		1,000	"	"	"
Caprolactam (105-60-2)	U		1,000	"	"	"
4-Chloroaniline (106-47-8)	U		1,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		1,000	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	**23,300**		5,000	5	"	08/17/09
Chrysene (218-01-9)	U		1,000	1	"	08/17/09
Dibenzofuran (132-64-9)	U		1,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		1,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1,000	"	"	"
Diethyl phthalate (84-66-2)	U		1,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1,000	"	"	"
Dimethyl phthalate (131-11-3)	U		1,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		4,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		4,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,000	"	"	"
Fluoranthene (206-44-0)	U		400	"	"	"
Fluorene (86-73-7)	**780**		400	"	"	"
Hexachlorobenzene (118-74-1)	U		1,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		1,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,000	"	"	"
Hexachloroethane (67-72-1)	U		1,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,000	"	"	"
Isophorone (78-59-1)	U		1,000	"	"	"
2-Methylnaphthalene (91-57-6)	**15,500**		400	"	"	"
2-Methylphenol (95-48-7)	U		1,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		1,000	"	"	"
Naphthalene (91-20-3)	**54,600**		2,000	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		1,600	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		1,600	"	"	"
4-Nitroaniline (100-01-6)	U		1,600	"	"	"
Nitrobenzene (98-95-3)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		1,000	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		2,600	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,000	"	"	"
Pentachlorophenol (87-86-5)	U		1,000	"	"	"
Phenanthrene (85-01-8)	**2,370**		400	"	"	"
Phenol (108-95-2)	**1,800**	L	1,000	"	"	"
Pyrene (129-00-0)	U		400	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-17 **Station ID: S8B**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethyl methyl benzene isomer (NA)	**22,000**		3.37	5	08/12/09	08/17/09
Trimethyl benzene isomer (01) (NA)	**68,000**		3.60	"	"	"
Trimethyl benzene isomer (02) (NA)	**33,000**		3.82	"	"	"
Methyl propyl benzene isomer (NA)	**42,000**		4.00	"	"	"
Ethyl dimethyl benzene isomer (01) (NA)	**64,000**		4.05	"	"	"
Ethyl dimethyl benzene isomer (NA)	**30,000**		4.19	"	"	"
Ethyl dimethyl benzene isomer (03) (NA)	**22,000**		4.20	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**45,000**		4.25	"	"	"
Undecane (1120-21-4)	**28,000**		4.29	"	"	"
Tetramethyl benzene isomer (01) (NA)	**26,000**		4.47	"	"	"
Tetramethyl benzene isomer (02) (NA)	**31,000**		4.50	"	"	"
Tridecane (629-50-5)	**20,000**		5.57	"	"	"
C10H20 isomer (NA)	**39,000**		6.60	"	"	"
Dodecanoic acid (143-07-7)	**27,000**		7.11	"	"	"
Ethanol, 2-(dodecyloxy)- (4536-30-5)	**35,000**		7.87	"	"	"
Dodecanamide, N-(2-hydroxyethyl)- (000142-78-9)	**24,000**		7.94	"	"	"
Hexadecanoic acid (57-10-3)	**27,000**		8.98	"	"	"
Octadecadienoic acid, methyl ester isomer (NA)	**26,000**		9.53	"	"	"
Unknown ketone (NA)	**22,000**		9.71	"	"	"
9-Octadecenoic acid isomer (NA)	**67,000**		9.74	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	47.5		95.0	81-124	08/16/09	08/16/09
Surr: Toluene-d8	46.6		93.3	86-115	"	"
Surr: 4-Bromofluorobenzene	49.4		98.9	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/16/09	08/16/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**3,940**	**J**	1,000	"	"	"
Methylene chloride (75-09-2)	U		200	"	"	"
Methyl acetate (79-20-9)	**1,710**		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**306**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**1,980**		500	"	"	"
Chloroform (67-66-3)	U		200	"	"	"
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**261**		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**796**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	U		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/16/09	08/16/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**4,800**		200	"	"	"
Tetrachloroethene (127-18-4)	U		200	"	"	"
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**2,990**		200	"	"	"
meta-/para-Xylene (na)	**11,800**		400	"	"	"
ortho-Xylene (95-47-6)	**4,620**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**243**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 5.
If biological activity is present, then aromatics may be biased low.

Environmental Protection Agency
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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Acetaldehyde (75-07-0)	**1,600**		1.73	100	08/16/09	08/16/09
Ethanol (64-17-5)	**18,000**		2.36	"	"	"
Ethyl acetate (141-78-6)	**2,500**		4.88	"	"	"
C5H10O isomer (NA)	**660**		6.16	"	"	"
C9H12 isomer (01) (NA)	**630**		10.82	"	"	"
C9H12 isomer (02) (NA)	**1,200**		11.27	"	"	"
C9H12 isomer (03) (NA)	**730**		11.69	"	"	"
C9H10 isomer (NA)	**770**		11.88	"	"	"
C10H14 isomer (01) (NA)	**740**		11.92	"	"	"
C10H14 isomer (02) (NA)	**510**		11.97	"	"	"
C10H14 isomer (03) (NA)	**910**		11.99	"	"	"
C10H14 isomer (04) (NA)	**750**		12.25	"	"	"
C10H14 isomer (05) (NA)	**680**		12.28	"	"	"
C10H14 isomer (06) (NA)	**1,500**		12.36	"	"	"
C10H14 isomer (07) (NA)	**1,100**		12.75	"	"	"
C10H14 isomer (08) (NA)	**1,500**		12.80	"	"	"
C10H12 isomer (01) (NA)	**670**		13.06	"	"	"
C10H14 isomer (NA)	**900**		13.22	"	"	"
C10H12 isomer (03) (NA)	**1,100**		13.22	"	"	"
naphthalene (91-20-3)	**870**		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	5,840		77.8	41-121	08/13/09	08/17/09
Surr: Phenol-d5	5,550		74.1	43-118	"	"
Surr: 2-Chlorophenol-d4	5,950		79.4	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	2,780		55.6	35-110	"	"
Surr: Nitrobenzene-d5	4,530		90.5	44-127	"	"
Surr: 2-Fluorobiphenyl	4,080		81.7	45-115	"	"
Surr: 2,4,6-Tribromophenol	8,840		118	55-139	"	"
Surr: Terphenyl-d14	5,820		116	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		200	1	08/13/09	08/17/09
Acenaphthylene (208-96-8)	U		200	"	"	"
Acetophenone (98-86-2)	U		500	"	"	"
Anthracene (120-12-7)	U		200	"	"	"
Atrazine (1912-24-9)	U		500	"	"	"
Benzaldehyde (100-52-7)	U		500	"	"	"
Benzoic acid (65-85-0)	**8,740**	**J**	5,000	5	"	08/19/09
Benzo (a) anthracene (56-55-3)	U		500	1	"	08/17/09
Benzo (a) pyrene (50-32-8)	U		500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		500	"	"	"
Benzyl alcohol (100-51-6)	**1,680**	**L**	500	"	"	"
1,1'-Biphenyl (92-52-4)	U		500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		500	"	"	"
Carbazole (86-74-8)	U		500	"	"	"
Caprolactam (105-60-2)	U		500	"	"	"
4-Chloroaniline (106-47-8)	U		500	"	"	"
2-Chloronaphthalene (91-58-7)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		500	1	08/13/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	**2,340**	**J**	500	"	"	"
Chrysene (218-01-9)	U		500	"	"	"
Dibenzofuran (132-64-9)	U		500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		500	"	"	"
Diethyl phthalate (84-66-2)	U		500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		500	"	"	"
Dimethyl phthalate (131-11-3)	U		500	"	"	"
2,4-Dinitrophenol (51-28-5)	U	RL	6,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		2,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		500	"	"	"
Fluoranthene (206-44-0)	U		200	"	"	"
Fluorene (86-73-7)	U		200	"	"	"
Hexachlorobenzene (118-74-1)	U		500	"	"	"
Hexachlorobutadiene (87-68-3)	U		500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U	RL	2,000	"	"	"
Hexachloroethane (67-72-1)	U		500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		500	"	"	"
Isophorone (78-59-1)	U		500	"	"	"
2-Methylnaphthalene (91-57-6)	**1,150**		200	"	"	"
2-Methylphenol (95-48-7)	U		500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		500	"	"	"
Naphthalene (91-20-3)	**4,410**		200	"	"	"
2-Nitroaniline (88-74-4)	U		800	"	"	"
3-Nitroaniline (99-09-2)	U		800	"	"	"
4-Nitroaniline (100-01-6)	U		800	"	"	"
Nitrobenzene (98-95-3)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		500	1	08/13/09	08/17/09
4-Nitrophenol (100-02-7)	U		1,300	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		500	"	"	"
Pentachlorophenol (87-86-5)	U		500	"	"	"
Phenanthrene (85-01-8)	U		200	"	"	"
Phenol (108-95-2)	**2,540**		500	"	"	"
Pyrene (129-00-0)	U		200	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-18 **Station ID: S9B**

Batch: B9H1205 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol, 2-butoxy- (111-76-2)	**4,100**		3.02	1	08/13/09	08/17/09
2,4-Pentanediol, 2-methyl- (000107-41-5)	**3,200**		3.18	"	"	"
Unknown glycol (NA)	**2,300**		3.67	"	"	"
Trimethyl benzene isomer (NA)	**3,100**		3.83	"	"	"
Methyl propyl benzene isomer (NA)	**3,300**		4.01	"	"	"
Ethyl dimethyl benzene isomer (01) (NA)	**3,300**		4.25	"	"	"
Tetramethyl benzene isomer (01) (NA)	**1,700**		4.47	"	"	"
Tetramethyl benzene isomer (02) (NA)	**1,600**		4.50	"	"	"
C10H12 isomer (NA)	**1,600**		4.72	"	"	"
Tetramethyl benzene isomer (03) (NA)	**1,600**		4.72	"	"	"
Ethanol, 2-phenoxy- (122-99-6)	**2,600**		5.19	"	"	"
1-Propanol, 3-phenoxy- (6180-61-6)	**2,900**		5.33	"	"	"
Ethanol, 2-(2-phenoxyethoxy)- (000104-68-7)	**2,000**		6.89	"	"	"
Dodecanoic acid (143-07-7)	**1,500**		7.11	"	"	"
1H-Benzotriazole, 5-methyl- (000136-85-6)	**2,400**		7.14	"	"	"
Decanedioic acid (111-20-6)	**12,000**		8.24	"	"	"
Tridecanedioic acid (505-52-2)	**9,600**		8.66	"	"	"
Nonadecane (629-92-5)	**5,500**		8.67	"	"	"
Hexadecanoic acid (57-10-3)	**3,200**		8.99	"	"	"
Unknown carboxylic acid (NA)	**1,500**		10.37	"	"	"

Total # of TICs: 20

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	46.8		93.6	84-117	08/18/09	08/18/09
Surr: Toluene-d8	48.1		96.3	79-123	"	"
Surr: 4-Bromofluorobenzene	51.0		102	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		10,000	2000	08/18/09	08/18/09
Chloromethane (74-87-3)	U		10,000	"	"	"
Vinyl chloride (75-01-4)	U		4,000	"	"	"
Bromomethane (74-83-9)	U		10,000	"	"	"
Chloroethane (75-00-3)	U	RL	12,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		4,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		4,000	"	"	"
Carbon disulfide (75-15-0)	U		4,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		4,000	"	"	"
Acetone (67-64-1)	U		20,000	"	"	"
Methylene chloride (75-09-2)	U		4,000	"	"	"
Methyl acetate (79-20-9)	U		10,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		4,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		4,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		4,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		4,000	"	"	"
2-Butanone (78-93-3)	U		10,000	"	"	"
Chloroform (67-66-3)	U		4,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		4,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		4,000	"	"	"
Cyclohexane (110-82-7)	U		4,000	"	"	"
Carbon tetrachloride (56-23-5)	U		4,000	"	"	"
Benzene (71-43-2)	U		4,000	"	"	"
Trichloroethene (79-01-6)	U		4,000	"	"	"
Methylcyclohexane (108-87-2)	**11,600**		4,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		4,000	"	"	"
Bromodichloromethane (75-27-4)	U		4,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		4,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		4,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		4,000	2000	08/18/09	08/18/09
Dibromochloromethane (124-48-1)	U		4,000	"	"	"
Bromoform (75-25-2)	U		4,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		10,000	"	"	"
Toluene (108-88-3)	**18,800**		4,000	"	"	"
Tetrachloroethene (127-18-4)	U		4,000	"	"	"
2-Hexanone (591-78-6)	U		10,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		4,000	"	"	"
Chlorobenzene (108-90-7)	**6,780**		4,000	"	"	"
Ethylbenzene (100-41-4)	**6,600**		4,000	"	"	"
meta-/para-Xylene (na)	**92,400**		8,000	"	"	"
ortho-Xylene (95-47-6)	**14,800**		4,000	"	"	"
Styrene (100-42-5)	U		4,000	"	"	"
Isopropylbenzene (98-82-8)	U		4,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		4,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		4,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		4,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		4,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		10,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		10,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
unknown hydrocarbon (01) (NA)	**120,000**		10.59	2000	08/18/09	08/18/09
unknown hydrocarbon (02) (NA)	**130,000**		10.83	"	"	"
C12H24 isomer (NA)	**130,000**		11.24	"	"	"
C9H14O2 isomer (NA)	**110,000**		11.33	"	"	"
unknown hydrocarbon (03) (NA)	**84,000**		11.51	"	"	"
unknown hydrocarbon (04) (NA)	**88,000**		11.59	"	"	"
unknown hydrocarbon (05) (NA)	**250,000**		11.62	"	"	"
unknown hydrocarbon (06) (NA)	**77,000**		11.68	"	"	"
unknown hydrocarbon (07) (NA)	**210,000**		11.96	"	"	"
unknown hydrocarbon (08) (NA)	**120,000**		11.96	"	"	"
unknown hydrocarbon (09) (NA)	**220,000**		11.97	"	"	"
unknown hydrocarbon (10) (NA)	**220,000**		12.01	"	"	"
unknown hydrocarbon (11) (NA)	**1,200,000**		12.16	"	"	"
unknown hydrocarbon (12) (NA)	**260,000**		12.24	"	"	"
unknown hydrocarbon (13) (NA)	**85,000**		12.40	"	"	"
C6H10O isomer (NA)	**750,000**		12.48	"	"	"
unknown hydrocarbon (14) (NA)	**94,000**		12.65	"	"	"
C8H18S2 isomer (NA)	**200,000**		12.83	"	"	"
unknown hydrocarbon (15) (NA)	**450,000**		13.08	"	"	"
unknown hydrocarbon (16) (NA)	**170,000**		13.16	"	"	"

Total # of TICs: 20

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.154 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,050,000		108	10-153	08/17/09	08/19/09
Surr: Phenol-d5	1,190,000		122	16-138	"	"
Surr: 2-Chlorophenol-d4	1,030,000		105	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	727,000		112	28-127	"	"
Surr: Nitrobenzene-d5	659,000		101	20-142	"	"
Surr: 2-Fluorobiphenyl	702,000		108	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,180,000		121	10-151	"	"
Surr: Terphenyl-d14	875,000		135 #	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		26,000	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		26,000	"	"	"
Acetophenone (98-86-2)	U		64,900	"	"	"
Anthracene (120-12-7)	U		26,000	"	"	"
Atrazine (1912-24-9)	U		64,900	"	"	"
Benzaldehyde (100-52-7)	U		64,900	"	"	"
Benzoic acid (65-85-0)	U		130,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		64,900	"	"	"
Benzo (a) pyrene (50-32-8)	U		64,900	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		64,900	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		64,900	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		64,900	"	"	"
Benzyl alcohol (100-51-6)	U		64,900	"	"	"
1,1'-Biphenyl (92-52-4)	U		64,900	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		64,900	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		64,900	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		64,900	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		64,900	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		64,900	"	"	"
Butyl benzyl phthalate (85-68-7)	U		64,900	"	"	"
Carbazole (86-74-8)	U		64,900	"	"	"
Caprolactam (105-60-2)	U		64,900	"	"	"
4-Chloroaniline (106-47-8)	U		64,900	"	"	"
2-Chloronaphthalene (91-58-7)	U		64,900	"	"	"

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Region 6 Laboratory
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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.154 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		64,900	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		64,900	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		64,900	"	"	"
Chrysene (218-01-9)	U		64,900	"	"	"
Dibenzofuran (132-64-9)	U		64,900	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		64,900	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		64,900	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		64,900	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		64,900	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		64,900	"	"	"
2,4-Dichlorophenol (120-83-2)	U		64,900	"	"	"
Diethyl phthalate (84-66-2)	U		64,900	"	"	"
2,4-Dimethylphenol (105-67-9)	U		64,900	"	"	"
Dimethyl phthalate (131-11-3)	U		64,900	"	"	"
2,4-Dinitrophenol (51-28-5)	U		260,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		64,900	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		64,900	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		260,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		64,900	"	"	"
Di-n-octyl phthalate (117-84-0)	U		64,900	"	"	"
Fluoranthene (206-44-0)	U		26,000	"	"	"
Fluorene (86-73-7)	U		26,000	"	"	"
Hexachlorobenzene (118-74-1)	U		64,900	"	"	"
Hexachlorobutadiene (87-68-3)	U		64,900	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		64,900	"	"	"
Hexachloroethane (67-72-1)	U		64,900	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		64,900	"	"	"
Isophorone (78-59-1)	U		64,900	"	"	"
2-Methylnaphthalene (91-57-6)	U		26,000	"	"	"
2-Methylphenol (95-48-7)	U		64,900	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		64,900	"	"	"
Naphthalene (91-20-3)	U		26,000	"	"	"
2-Nitroaniline (88-74-4)	U		104,000	"	"	"
3-Nitroaniline (99-09-2)	U		104,000	"	"	"
4-Nitroaniline (100-01-6)	U		104,000	"	"	"
Nitrobenzene (98-95-3)	U		64,900	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.154 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		64,900	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		169,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	**648,000**		64,900	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		64,900	"	"	"
Pentachlorophenol (87-86-5)	U		64,900	"	"	"
Phenanthrene (85-01-8)	U		26,000	"	"	"
Phenol (108-95-2)	U		64,900	"	"	"
Pyrene (129-00-0)	U		26,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		64,900	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		64,900	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		64,900	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-19 **Station ID: S11A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.154 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C5H8O isomer (NA)	**2,600,000**		4.11	10	08/17/09	08/19/09
3-Undecene, 6-methyl-, (E)- (074630-52-7)	**8,300,000**		4.24	"	"	"
Unknown branched alkene or alkane (NA)	**1,800,000**		4.27	"	"	"
C6H10O isomer (NA)	**4,900,000**		4.42	"	"	"
Unknown alkene or alcohol (01) (NA)	**3,600,000**		4.77	"	"	"
Unknown alkene or alcohol (02) (NA)	**1,200,000**		4.81	"	"	"
Unknown sulfur compound (01) (NA)	**1,700,000**		4.83	"	"	"
Unknown (01) (NA)	**3,300,000**		5.53	"	"	"
Di-t-butyl trisulfide (4253-90-1)	**1,900,000**		5.64	"	"	"
Unknown alkene (NA)	**1,500,000**		5.73	"	"	"
Unknown (02) (NA)	**15,000,000**		5.86	"	"	"
Unknown (03) (NA)	**1,700,000**		5.95	"	"	"
Thiophene, 2-decyl- (024769-39-9)	**2,900,000**		6.00	"	"	"
Substituted hydrocarbon (NA)	**2,700,000**		6.30	"	"	"
Unknown sulfur compound (02) (NA)	**1,500,000**		6.32	"	"	"
C14H22O isomer (NA)	**3,700,000**		6.46	"	"	"
C8H16S3 isomer (NA)	**1,500,000**		6.65	"	"	"
Unknown (04) (NA)	**5,700,000**		9.94	"	"	"
Unknown alkane (NA)	**1,200,000**		10.05	"	"	"
Unknown aromatic hydrocarbon (NA)	**1,500,000**		11.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.4		105	84-117	08/19/09	08/19/09
Surr: Toluene-d8	57.7		115	79-123	"	"
Surr: 4-Bromofluorobenzene	54.0		108	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		2,600	521	08/19/09	08/19/09
Chloromethane (74-87-3)	U		2,600	"	"	"
Vinyl chloride (75-01-4)	U		1,040	"	"	"
Bromomethane (74-83-9)	U		2,600	"	"	"
Chloroethane (75-00-3)	U	RL	3,130	"	"	"
Trichlorofluoromethane (75-69-4)	U		1,040	"	"	"
1,1-Dichloroethene (75-35-4)	U		1,040	"	"	"
Carbon disulfide (75-15-0)	U		1,040	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1,040	"	"	"
Acetone (67-64-1)	**5,380**	**J**	5,210	"	"	"
Methylene chloride (75-09-2)	U		1,040	"	"	"
Methyl acetate (79-20-9)	U		2,600	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1,040	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1,040	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1,040	"	"	"
1,1-Dichloroethane (75-34-3)	U		1,040	"	"	"
2-Butanone (78-93-3)	U		2,600	"	"	"
Chloroform (67-66-3)	U		1,040	"	"	"
1,2-Dichloroethane (107-06-2)	U		1,040	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1,040	"	"	"
Cyclohexane (110-82-7)	**3,860**		1,040	"	"	"
Carbon tetrachloride (56-23-5)	U		1,040	"	"	"
Benzene (71-43-2)	U		1,040	"	"	"
Trichloroethene (79-01-6)	U		1,040	"	"	"
Methylcyclohexane (108-87-2)	**13,300**		1,040	"	"	"
1,2-Dichloropropane (78-87-5)	U		1,040	"	"	"
Bromodichloromethane (75-27-4)	U		1,040	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		1,040	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		1,040	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		1,040	521	08/19/09	08/19/09
Dibromochloromethane (124-48-1)	U		1,040	"	"	"
Bromoform (75-25-2)	U		1,040	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		2,600	"	"	"
Toluene (108-88-3)	**24,200**		1,040	"	"	"
Tetrachloroethene (127-18-4)	U		1,040	"	"	"
2-Hexanone (591-78-6)	U		2,600	"	"	"
1,2-Dibromoethane (106-93-4)	U		1,040	"	"	"
Chlorobenzene (108-90-7)	**5,760**		1,040	"	"	"
Ethylbenzene (100-41-4)	**4,880**		1,040	"	"	"
meta-/para-Xylene (na)	**61,700**		2,080	"	"	"
ortho-Xylene (95-47-6)	**8,570**		1,040	"	"	"
Styrene (100-42-5)	U		1,040	"	"	"
Isopropylbenzene (98-82-8)	U		1,040	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1,040	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,040	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,040	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,040	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		2,600	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2,600	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
1-Pentene, 2,4,4-trimethyl- (000107-39-1)	**34,000**		6.49	521	08/19/09	08/19/09
C8H16 isomer (01) (NA)	**80,000**		6.97	"	"	"
C8H16 isomer (02) (NA)	**43,000**		7.48	"	"	"
C8H16 isomer (NA)	**130,000**		7.97	"	"	"
unknown hydrocarbon (01) (NA)	**32,000**		10.59	"	"	"
unknown hydrocarbon (02) (NA)	**31,000**		10.83	"	"	"
C12H24 isomer (01) (NA)	**32,000**		11.24	"	"	"
C9H14O2 isomer (NA)	**25,000**		11.33	"	"	"
C12H24 isomer (02) (NA)	**66,000**		11.62	"	"	"
C9H18 isomer (NA)	**29,000**		11.67	"	"	"
unknown hydrocarbon (03) (NA)	**49,000**		11.96	"	"	"
unknown hydrocarbon (04) (NA)	**29,000**		11.96	"	"	"
unknown hydrocarbon (05) (NA)	**53,000**		11.97	"	"	"
unknown hydrocarbon (06) (NA)	**58,000**		12.01	"	"	"
unknown hydrocarbon (07) (NA)	**290,000**		12.16	"	"	"
unknown hydrocarbon (08) (NA)	**67,000**		12.24	"	"	"
Unknown hydrocarbon (NA)	**180,000**		12.48	"	"	"
C8H18S2 isomer (NA)	**52,000**		12.83	"	"	"
unknown hydrocarbon (10) (NA)	**98,000**		13.08	"	"	"
unknown hydrocarbon (11) (NA)	**39,000**		13.16	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.147 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	980,000		96.0	10-153	08/17/09	08/19/09
Surr: Phenol-d5	944,000		92.5	16-138	"	"
Surr: 2-Chlorophenol-d4	922,000		90.4	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	660,000		97.0	28-127	"	"
Surr: Nitrobenzene-d5	652,000		95.8	20-142	"	"
Surr: 2-Fluorobiphenyl	674,000		99.1	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,100,000		108	10-151	"	"
Surr: Terphenyl-d14	625,000		91.9	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		27,200	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		27,200	"	"	"
Acetophenone (98-86-2)	U		68,000	"	"	"
Anthracene (120-12-7)	U		27,200	"	"	"
Atrazine (1912-24-9)	U		68,000	"	"	"
Benzaldehyde (100-52-7)	U		68,000	"	"	"
Benzoic acid (65-85-0)	U	R	136,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		68,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		68,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		68,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		68,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		68,000	"	"	"
Benzyl alcohol (100-51-6)	U		68,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		68,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		68,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		68,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		68,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		68,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		68,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		68,000	"	"	"
Carbazole (86-74-8)	U		68,000	"	"	"
Caprolactam (105-60-2)	U		68,000	"	"	"
4-Chloroaniline (106-47-8)	U		68,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		68,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.147 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		68,000	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		68,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		68,000	"	"	"
Chrysene (218-01-9)	U		68,000	"	"	"
Dibenzofuran (132-64-9)	U		68,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		68,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		68,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		68,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		68,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		68,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		68,000	"	"	"
Diethyl phthalate (84-66-2)	U		68,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		68,000	"	"	"
Dimethyl phthalate (131-11-3)	U		68,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U	RL	544,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		68,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		68,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		272,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		68,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		68,000	"	"	"
Fluoranthene (206-44-0)	U		27,200	"	"	"
Fluorene (86-73-7)	U		27,200	"	"	"
Hexachlorobenzene (118-74-1)	U		68,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		68,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U	RL	136,000	"	"	"
Hexachloroethane (67-72-1)	U		68,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		68,000	"	"	"
Isophorone (78-59-1)	U		68,000	"	"	"
2-Methylnaphthalene (91-57-6)	U		27,200	"	"	"
2-Methylphenol (95-48-7)	U		68,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		68,000	"	"	"
Naphthalene (91-20-3)	U		27,200	"	"	"
2-Nitroaniline (88-74-4)	U		109,000	"	"	"
3-Nitroaniline (99-09-2)	U		109,000	"	"	"
4-Nitroaniline (100-01-6)	U		109,000	"	"	"
Nitrobenzene (98-95-3)	U		68,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.147 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		68,000	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		177,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	**434,000**		68,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		68,000	"	"	"
Pentachlorophenol (87-86-5)	U		68,000	"	"	"
Phenanthrene (85-01-8)	U		27,200	"	"	"
Phenol (108-95-2)	U		68,000	"	"	"
Pyrene (129-00-0)	U		27,200	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		68,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		68,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		68,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-20 **Station ID: S12A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.147 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Unknown (01) (NA)	**1,100,000**		3.97	10	08/17/09	08/19/09
C5H8O isomer (NA)	**2,300,000**		4.11	"	"	"
Unknown (02) (NA)	**1,400,000**		4.13	"	"	"
3-Undecene, 6-methyl-, (E)- (074630-52-7)	**6,300,000**		4.24	"	"	"
Unknown branched alkene or alkane (NA)	**1,400,000**		4.27	"	"	"
C6H10O isomer (NA)	**3,900,000**		4.42	"	"	"
Unknown alkene or alcohol (NA)	**2,700,000**		4.77	"	"	"
Unknown sulfur compound (NA)	**2,300,000**		4.83	"	"	"
Unknown (03) (NA)	**2,700,000**		5.53	"	"	"
Di-t-butyl trisulfide (4253-90-1)	**1,400,000**		5.64	"	"	"
Unknown alkene (NA)	**1,100,000**		5.73	"	"	"
Unknown (04) (NA)	**11,000,000**		5.86	"	"	"
Unknown (05) (NA)	**1,300,000**		5.95	"	"	"
Thiophene, 2-decyl- (024769-39-9)	**1,600,000**		6.00	"	"	"
Unknown (08) (NA)	**2,100,000**		6.05	"	"	"
Unknown (06) (NA)	**950,000**		6.27	"	"	"
Substituted hydrocarbon (NA)	**2,000,000**		6.30	"	"	"
C14H22O isomer (NA)	**2,700,000**		6.46	"	"	"
C8H16S3 isomer (NA)	**1,100,000**		6.65	"	"	"
Unknown (07) (NA)	**5,000,000**		9.93	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	50.9		102	84-117	08/19/09	08/19/09
Surr: Toluene-d8	67.1		134 #	79-123	"	"
Surr: 4-Bromofluorobenzene	54.5		109	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		2,400	479	08/19/09	08/19/09
Chloromethane (74-87-3)	U		2,400	"	"	"
Vinyl chloride (75-01-4)	U		958	"	"	"
Bromomethane (74-83-9)	U		2,400	"	"	"
Chloroethane (75-00-3)	U	RL	2,870	"	"	"
Trichlorofluoromethane (75-69-4)	U		958	"	"	"
1,1-Dichloroethene (75-35-4)	U		958	"	"	"
Carbon disulfide (75-15-0)	**2,360**		958	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		958	"	"	"
Acetone (67-64-1)	U	RL	9,580	"	"	"
Methylene chloride (75-09-2)	U		958	"	"	"
Methyl acetate (79-20-9)	U		2,400	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		958	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		958	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		958	"	"	"
1,1-Dichloroethane (75-34-3)	U		958	"	"	"
2-Butanone (78-93-3)	U		2,400	"	"	"
Chloroform (67-66-3)	U		958	"	"	"
1,2-Dichloroethane (107-06-2)	U		958	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		958	"	"	"
Cyclohexane (110-82-7)	**7,210**		958	"	"	"
Carbon tetrachloride (56-23-5)	U		958	"	"	"
Benzene (71-43-2)	U		958	"	"	"
Trichloroethene (79-01-6)	U		958	"	"	"
Methylcyclohexane (108-87-2)	**24,000**		958	"	"	"
1,2-Dichloropropane (78-87-5)	U		958	"	"	"
Bromodichloromethane (75-27-4)	U		958	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		958	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		958	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		958	479	08/19/09	08/19/09
Dibromochloromethane (124-48-1)	U		958	"	"	"
Bromoform (75-25-2)	U		958	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		2,400	"	"	"
Toluene (108-88-3)	**37,400**		958	"	"	"
Tetrachloroethene (127-18-4)	U		958	"	"	"
2-Hexanone (591-78-6)	U		2,400	"	"	"
1,2-Dibromoethane (106-93-4)	U		958	"	"	"
Chlorobenzene (108-90-7)	**8,340**		958	"	"	"
Ethylbenzene (100-41-4)	**7,130**		958	"	"	"
meta-/para-Xylene (na)	**92,600**		1,920	"	"	"
ortho-Xylene (95-47-6)	**12,400**		958	"	"	"
Styrene (100-42-5)	U		958	"	"	"
Isopropylbenzene (98-82-8)	U		958	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		958	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		958	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		958	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		958	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		2,400	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2,400	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Heptane (142-82-5)	**34,000**		6.14	479	08/19/09	08/19/09
C8H16 isomer (01) (NA)	**59,000**		6.49	"	"	"
C8H16 isomer (02) (NA)	**140,000**		6.98	"	"	"
C8H16 isomer (NA)	**73,000**		7.48	"	"	"
C8H16 isomer (03) (NA)	**210,000**		7.97	"	"	"
C9H18 isomer (01) (NA)	**45,000**		8.56	"	"	"
C9H18 isomer (02) (NA)	**36,000**		9.09	"	"	"
C10H20 isomer (NA)	**25,000**		9.83	"	"	"
unknown hydrocarbon (01) (NA)	**42,000**		10.59	"	"	"
unknown hydrocarbon (02) (NA)	**46,000**		10.83	"	"	"
unknown hydrocarbon (03) (NA)	**33,000**		11.33	"	"	"
unknown hydrocarbon (04) (NA)	**44,000**		11.62	"	"	"
unknown hydrocarbon (05) (NA)	**34,000**		11.96	"	"	"
unknown hydrocarbon (06) (NA)	**41,000**		11.97	"	"	"
Unknown hydrocarbon (NA)	**42,000**		12.01	"	"	"
unknown hydrocarbon (07) (NA)	**190,000**		12.15	"	"	"
unknown hydrocarbon (08) (NA)	**36,000**		12.23	"	"	"
C6H10O isomer (NA)	**100,000**		12.47	"	"	"
C8H18S2 isomer (NA)	**73,000**		12.83	"	"	"
unknown hydrocarbon (09) (NA)	**40,000**		13.07	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.155 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	866,000		89.5	10-153	08/17/09	08/19/09
Surr: Phenol-d5	801,000		82.8	16-138	"	"
Surr: 2-Chlorophenol-d4	850,000		87.8	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	593,000		91.9	28-127	"	"
Surr: Nitrobenzene-d5	565,000		87.6	20-142	"	"
Surr: 2-Fluorobiphenyl	617,000		95.6	40-129	"	"
Surr: 2,4,6-Tribromophenol	964,000		99.6	10-151	"	"
Surr: Terphenyl-d14	652,000		101	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		25,800	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		25,800	"	"	"
Acetophenone (98-86-2)	U		64,500	"	"	"
Anthracene (120-12-7)	U		25,800	"	"	"
Atrazine (1912-24-9)	U		64,500	"	"	"
Benzaldehyde (100-52-7)	U		64,500	"	"	"
Benzoic acid (65-85-0)	U		129,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		64,500	"	"	"
Benzo (a) pyrene (50-32-8)	U		64,500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		64,500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		64,500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		64,500	"	"	"
Benzyl alcohol (100-51-6)	U		64,500	"	"	"
1,1'-Biphenyl (92-52-4)	U		64,500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		64,500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		64,500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		64,500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		64,500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		64,500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		64,500	"	"	"
Carbazole (86-74-8)	U		64,500	"	"	"
Caprolactam (105-60-2)	U		64,500	"	"	"
4-Chloroaniline (106-47-8)	U		64,500	"	"	"
2-Chloronaphthalene (91-58-7)	U		64,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.155 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		64,500	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		64,500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		64,500	"	"	"
Chrysene (218-01-9)	U		64,500	"	"	"
Dibenzofuran (132-64-9)	U		64,500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		64,500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		64,500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		64,500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		64,500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		64,500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		64,500	"	"	"
Diethyl phthalate (84-66-2)	U		64,500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		64,500	"	"	"
Dimethyl phthalate (131-11-3)	U		64,500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		258,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		64,500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		64,500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		258,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		64,500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		64,500	"	"	"
Fluoranthene (206-44-0)	U		25,800	"	"	"
Fluorene (86-73-7)	U		25,800	"	"	"
Hexachlorobenzene (118-74-1)	U		64,500	"	"	"
Hexachlorobutadiene (87-68-3)	U		64,500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		64,500	"	"	"
Hexachloroethane (67-72-1)	U		64,500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		64,500	"	"	"
Isophorone (78-59-1)	U		64,500	"	"	"
2-Methylnaphthalene (91-57-6)	U		25,800	"	"	"
2-Methylphenol (95-48-7)	U		64,500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		64,500	"	"	"
Naphthalene (91-20-3)	U		25,800	"	"	"
2-Nitroaniline (88-74-4)	U		103,000	"	"	"
3-Nitroaniline (99-09-2)	U		103,000	"	"	"
4-Nitroaniline (100-01-6)	U		103,000	"	"	"
Nitrobenzene (98-95-3)	U		64,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.155 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		64,500	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		168,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	**401,000**		64,500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		64,500	"	"	"
Pentachlorophenol (87-86-5)	U		64,500	"	"	"
Phenanthrene (85-01-8)	U		25,800	"	"	"
Phenol (108-95-2)	U		64,500	"	"	"
Pyrene (129-00-0)	U		25,800	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		64,500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		64,500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		64,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-21 **Station ID: S13A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.155 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C5H8O isomer (NA)	**2,100,000**		4.11	10	08/17/09	08/19/09
3-Undecene, 6-methyl-, (E)- (074630-52-7)	**6,300,000**		4.24	"	"	"
Unknown branched alkene or alkane (NA)	**1,300,000**		4.27	"	"	"
C6H10O isomer (NA)	**3,600,000**		4.42	"	"	"
Unknown alkene or alcohol (01) (NA)	**2,500,000**		4.77	"	"	"
Unknown alkene or alcohol (02) (NA)	**880,000**		4.81	"	"	"
Unknown sulfur compound (NA)	**1,100,000**		4.83	"	"	"
Unknown (01) (NA)	**2,500,000**		5.53	"	"	"
Di-t-butyl trisulfide (4253-90-1)	**1,300,000**		5.64	"	"	"
Unknown alkene (NA)	**880,000**		5.73	"	"	"
Unknown (02) (NA)	**9,400,000**		5.86	"	"	"
Unknown (03) (NA)	**1,200,000**		5.95	"	"	"
Thiophene, 2-decyl- (024769-39-9)	**1,500,000**		6.00	"	"	"
Unknown (06) (NA)	**1,900,000**		6.05	"	"	"
Unknown (04) (NA)	**940,000**		6.27	"	"	"
Substituted hydrocarbon (NA)	**1,900,000**		6.30	"	"	"
C14H22O isomer (NA)	**2,500,000**		6.46	"	"	"
C8H16S3 isomer (NA)	**960,000**		6.64	"	"	"
Unknown (05) (NA)	**4,700,000**		9.93	"	"	"
Unknown aromatic hydrocarbon (NA)	**1,200,000**		11.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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10625 Fallstone Road, Houston, TX 77099
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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	48.7		97.4	84-117	08/19/09	08/19/09
Surr: Toluene-d8	43.7		87.5	79-123	"	"
Surr: 4-Bromofluorobenzene	49.7		99.3	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		2,400	480	08/19/09	08/19/09
Chloromethane (74-87-3)	U		2,400	"	"	"
Vinyl chloride (75-01-4)	U		960	"	"	"
Bromomethane (74-83-9)	U		2,400	"	"	"
Chloroethane (75-00-3)	U	RL	2,880	"	"	"
Trichlorofluoromethane (75-69-4)	U		960	"	"	"
1,1-Dichloroethene (75-35-4)	U		960	"	"	"
Carbon disulfide (75-15-0)	**1,120**		960	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		960	"	"	"
Acetone (67-64-1)	**23,200**	**J**	4,800	"	"	"
Methylene chloride (75-09-2)	**1,130**		960	"	"	"
Methyl acetate (79-20-9)	**14,900**		2,400	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		960	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		960	"	"	"
Methyl tert-butyl ether (1634-04-4)	**57,000**		960	"	"	"
1,1-Dichloroethane (75-34-3)	U		960	"	"	"
2-Butanone (78-93-3)	**30,700**		2,400	"	"	"
Chloroform (67-66-3)	U		960	"	"	"
1,2-Dichloroethane (107-06-2)	U		960	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		960	"	"	"
Cyclohexane (110-82-7)	**124,000**		960	"	"	"
Carbon tetrachloride (56-23-5)	U		960	"	"	"
Benzene (71-43-2)	**116,000**		960	"	"	"
Trichloroethene (79-01-6)	U		960	"	"	"
Methylcyclohexane (108-87-2)	**162,000**		960	"	"	"
1,2-Dichloropropane (78-87-5)	U		960	"	"	"
Bromodichloromethane (75-27-4)	U		960	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		960	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		960	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		960	480	08/19/09	08/19/09
Dibromochloromethane (124-48-1)	U		960	"	"	"
Bromoform (75-25-2)	U		960	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		2,400	"	"	"
Toluene (108-88-3)	**17,200,000**		480,000	240000	"	08/19/09
Tetrachloroethene (127-18-4)	**18,800**		960	480	"	08/19/09
2-Hexanone (591-78-6)	U		2,400	"	"	"
1,2-Dibromoethane (106-93-4)	U		960	"	"	"
Chlorobenzene (108-90-7)	U		960	"	"	"
Ethylbenzene (100-41-4)	**1,470,000**		48,000	24000	"	08/19/09
meta-/para-Xylene (na)	**6,080,000**		96,000	"	"	"
ortho-Xylene (95-47-6)	**2,240,000**		48,000	"	"	"
Styrene (100-42-5)	U		960	480	"	08/19/09
Isopropylbenzene (98-82-8)	**236,000**		48,000	24000	"	08/19/09
1,1,2,2-Tetrachloroethane (79-34-5)	U		960	480	"	08/19/09
1,3-Dichlorobenzene (541-73-1)	U		960	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		960	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		960	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		2,400	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2,400	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9I0901 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
propyl benzene (103-65-1)	**510,000**		10.74	480	08/19/09	08/19/09
C9H12 isomer (01) (NA)	**1,100,000**		10.83	"	"	"
C9H12 isomer (02) (NA)	**430,000**		10.92	"	"	"
C9H12 isomer (03) (NA)	**1,200,000**		11.29	"	"	"
C10H14 isomer (08) (NA)	**490,000**		11.57	"	"	"
C9H12 isomer (04) (NA)	**950,000**		11.70	"	"	"
C9H10 isomer (NA)	**490,000**		11.90	"	"	"
C7H6N2O isomer (NA)	**1,300,000**		11.93	"	"	"
C10H14 isomer (01) (NA)	**1,900,000**		12.00	"	"	"
C10H14 isomer (09) (NA)	**700,000**		12.19	"	"	"
C10H14 isomer (03) (NA)	**1,200,000**		12.27	"	"	"
unknown hydrocarbon (02) (NA)	**440,000**		12.33	"	"	"
C10H14 isomer (05) (NA)	**1,400,000**		12.38	"	"	"
C10H14 isomer (10) (NA)	**620,000**		12.50	"	"	"
C10H14 isomer (11) (NA)	**520,000**		12.67	"	"	"
C10H14 isomer (06) (NA)	**980,000**		12.77	"	"	"
C10H14 isomer (07) (NA)	**1,000,000**		12.82	"	"	"
C10H12 isomer (NA)	**510,000**		13.09	"	"	"
C10H12 isomer (01) (NA)	**960,000**		13.24	"	"	"
Naphthalene (91-20-3)	**450,000**		13.84	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.1 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,540,000		102	10-153	08/17/09	08/19/09
Surr: Phenol-d5	1,510,000		101	16-138	"	"
Surr: 2-Chlorophenol-d4	1,480,000		98.9	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	1,010,000		101	28-127	"	"
Surr: Nitrobenzene-d5	917,000		91.7	20-142	"	"
Surr: 2-Fluorobiphenyl	1,030,000		103	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,540,000		103	10-151	"	"
Surr: Terphenyl-d14	1,030,000		103	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		40,000	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		40,000	"	"	"
Acetophenone (98-86-2)	U		100,000	"	"	"
Anthracene (120-12-7)	U		40,000	"	"	"
Atrazine (1912-24-9)	U		100,000	"	"	"
Benzaldehyde (100-52-7)	U		100,000	"	"	"
Benzoic acid (65-85-0)	U		200,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		100,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		100,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		100,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		100,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		100,000	"	"	"
Benzyl alcohol (100-51-6)	U		100,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		100,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		100,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		100,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		100,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		100,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		100,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		100,000	"	"	"
Carbazole (86-74-8)	U		100,000	"	"	"
Caprolactam (105-60-2)	U		100,000	"	"	"
4-Chloroaniline (106-47-8)	U		100,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		100,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.1 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		100,000	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		100,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	**127,000**	**J**	100,000	"	"	"
Chrysene (218-01-9)	U		100,000	"	"	"
Dibenzofuran (132-64-9)	U		100,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		100,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100,000	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		100,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		100,000	"	"	"
Diethyl phthalate (84-66-2)	U		100,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		100,000	"	"	"
Dimethyl phthalate (131-11-3)	U		100,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		400,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		100,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		100,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		400,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		100,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		100,000	"	"	"
Fluoranthene (206-44-0)	U		40,000	"	"	"
Fluorene (86-73-7)	U		40,000	"	"	"
Hexachlorobenzene (118-74-1)	U		100,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		100,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		100,000	"	"	"
Hexachloroethane (67-72-1)	U		100,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		100,000	"	"	"
Isophorone (78-59-1)	U		100,000	"	"	"
2-Methylnaphthalene (91-57-6)	**610,000**		40,000	"	"	"
2-Methylphenol (95-48-7)	**293,000**		100,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	**237,000**		100,000	"	"	"
Naphthalene (91-20-3)	**2,950,000**		400,000	10	"	08/19/09
2-Nitroaniline (88-74-4)	U		160,000	1	"	08/19/09
3-Nitroaniline (99-09-2)	U		160,000	"	"	"
4-Nitroaniline (100-01-6)	U		160,000	"	"	"
Nitrobenzene (98-95-3)	U		100,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.1 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		100,000	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		260,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		100,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		100,000	"	"	"
Pentachlorophenol (87-86-5)	U		100,000	"	"	"
Phenanthrene (85-01-8)	**93,800**		40,000	"	"	"
Phenol (108-95-2)	**294,000**		100,000	"	"	"
Pyrene (129-00-0)	**42,400**		40,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		100,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		100,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		100,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-22 **Station ID: S14A**

Batch: B9H1701 Date Collected: 08/08/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.1 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C9H12 isomer (01) (NA)	**1,500,000**		3.38	10	08/17/09	08/19/09
C9H12 isomer (03) (NA)	**3,000,000**		3.61	"	"	"
C9H12 isomer (02) (NA)	**1,700,000**		3.82	"	"	"
C10H14 isomer (06) (NA)	**3,500,000**		4.00	"	"	"
C10H14 isomer (01) (NA)	**4,100,000**		4.04	"	"	"
C10H14 isomer (NA)	**1,500,000**		4.11	"	"	"
C10H14 isomer (02) (NA)	**2,300,000**		4.18	"	"	"
C10H14 isomer (03) (NA)	**1,300,000**		4.19	"	"	"
C10H14 isomer (07) (NA)	**3,700,000**		4.24	"	"	"
Undecane (1120-21-4)	**1,300,000**		4.28	"	"	"
C10H14 isomer (04) (NA)	**1,900,000**		4.45	"	"	"
C10H14 isomer (05) (NA)	**2,500,000**		4.48	"	"	"
C10H12 isomer (01) (NA)	**1,700,000**		4.62	"	"	"
C10H12 isomer (02) (NA)	**2,300,000**		4.71	"	"	"
2,6,8-Trimethyl-4-nonanol (123-17-1)	**1,200,000**		5.14	"	"	"
C8H14O4 isomer (NA)	**2,800,000**		5.21	"	"	"
Tridecane (629-50-5)	**1,700,000**		5.56	"	"	"
Tetradecane (629-59-4)	**1,000,000**		6.15	"	"	"
Unknown (NA)	**1,300,000**		9.67	"	"	"
Unknown ester (NA)	**1,000,000**		10.56	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	45.5		90.9	81-124	08/16/09	08/16/09
Surr: Toluene-d8	46.5		93.1	86-115	"	"
Surr: 4-Bromofluorobenzene	48.9		97.9	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/16/09	08/16/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**73,800**	**J**	20,000	2000	"	08/16/09
Methylene chloride (75-09-2)	**205**	**B**	200	100	"	08/16/09
Methyl acetate (79-20-9)	**35,000**		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**7,590**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**43,300**		10,000	2000	"	08/16/09
Chloroform (67-66-3)	U		200	100	"	08/16/09
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	**355**		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,950**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	**413**		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/16/09	08/16/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	**517**		500	"	"	"
Toluene (108-88-3)	**89,300**		4,000	2000	"	08/16/09
Tetrachloroethene (127-18-4)	U		200	100	"	08/16/09
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**4,490**		200	"	"	"
meta-/para-Xylene (na)	**18,300**		400	"	"	"
ortho-Xylene (95-47-6)	**7,230**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**558**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 3.
If biological activity is present, then aromatics may be biased low.

Environmental Protection Agency
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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	**15,000**		2.36	100	08/16/09	08/16/09
C4H8O isomer (01) (NA)	**9,100**		3.66	"	"	"
1-Propanol (71-23-8)	**3,200**		4.21	"	"	"
Butanal (123-72-8)	**130,000**		4.53	"	"	"
Ethyl acetate (141-78-6)	**3,100**		4.88	"	"	"
C4H8O isomer (02) (NA)	**26,000**		5.10	"	"	"
1-Butanol (71-36-3)	**4,900**		6.53	"	"	"
C9H12 isomer (01) (NA)	**4,800**		11.27	"	"	"
C9H12 isomer (02) (NA)	**3,800**		11.69	"	"	"
C10H14 isomer (01) (NA)	**3,600**		11.92	"	"	"
C10H14 isomer (02) (NA)	**4,200**		11.99	"	"	"
C10H14 isomer (03) (NA)	**3,700**		12.25	"	"	"
C10H14 isomer (04) (NA)	**3,200**		12.28	"	"	"
C10H14 isomer (05) (NA)	**6,900**		12.36	"	"	"
C10H14 isomer (06) (NA)	**4,900**		12.75	"	"	"
C10H14 isomer (07) (NA)	**6,500**		12.80	"	"	"
C10H12 isomer (01) (NA)	**2,900**		13.06	"	"	"
C10H14 isomer (NA)	**3,500**		13.22	"	"	"
C10H12 isomer (03) (NA)	**3,900**		13.22	"	"	"
naphthalene (91-20-3)	**3,300**		13.82	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	45.3		90.5	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**504**		40.0	20	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	20,000		80.1	41-121	08/12/09	08/17/09
Surr: Phenol-d5	19,900		79.5	43-118	"	"
Surr: 2-Chlorophenol-d4	19,900		79.6	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	11,900		71.3	35-110	"	"
Surr: Nitrobenzene-d5	14,900		89.4	44-127	"	"
Surr: 2-Fluorobiphenyl	15,600		93.7	45-115	"	"
Surr: 2,4,6-Tribromophenol	30,400		122	55-139	"	"
Surr: Terphenyl-d14	19,800		119	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		667	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		667	"	"	"
Acetophenone (98-86-2)	**5,310**	**J**	1,670	"	"	"
Anthracene (120-12-7)	U		667	"	"	"
Atrazine (1912-24-9)	U		1,670	"	"	"
Benzaldehyde (100-52-7)	U		1,670	"	"	"
Benzoic acid (65-85-0)	**23,800**	**J**	3,330	"	"	"
Benzo (a) anthracene (56-55-3)	U		1,670	"	"	"
Benzo (a) pyrene (50-32-8)	U		1,670	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,670	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,670	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,670	"	"	"
Benzyl alcohol (100-51-6)	**2,950**	**J**	1,670	"	"	"
1,1'-Biphenyl (92-52-4)	U		1,670	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1,670	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1,670	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		1,670	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1,670	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,670	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,670	"	"	"
Carbazole (86-74-8)	U		1,670	"	"	"
Caprolactam (105-60-2)	U		1,670	"	"	"
4-Chloroaniline (106-47-8)	U		1,670	"	"	"
2-Chloronaphthalene (91-58-7)	U		1,670	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		1,670	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,670	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1,670	"	"	"
Chrysene (218-01-9)	U		1,670	"	"	"
Dibenzofuran (132-64-9)	U		1,670	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,670	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,670	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,670	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,670	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1,670	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1,670	"	"	"
Diethyl phthalate (84-66-2)	U		1,670	"	"	"
2,4-Dimethylphenol (105-67-9)	**4,600**		3,330	5	"	08/17/09
Dimethyl phthalate (131-11-3)	U		1,670	1	"	08/17/09
2,4-Dinitrophenol (51-28-5)	U		6,670	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,670	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,670	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		6,670	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,670	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,670	"	"	"
Fluoranthene (206-44-0)	U		667	"	"	"
Fluorene (86-73-7)	**913**		667	"	"	"
Hexachlorobenzene (118-74-1)	U		1,670	"	"	"
Hexachlorobutadiene (87-68-3)	U		1,670	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,670	"	"	"
Hexachloroethane (67-72-1)	U		1,670	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,670	"	"	"
Isophorone (78-59-1)	U		1,670	"	"	"
2-Methylnaphthalene (91-57-6)	**18,400**		667	"	"	"
2-Methylphenol (95-48-7)	**23,100**		8,330	5	"	08/17/09
3 &/or 4-Methylphenol (106-44-5)	**22,100**		1,670	1	"	08/17/09
Naphthalene (91-20-3)	**89,800**		3,330	5	"	08/17/09
2-Nitroaniline (88-74-4)	U		2,670	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		2,670	"	"	"
4-Nitroaniline (100-01-6)	U		2,670	"	"	"
Nitrobenzene (98-95-3)	U		1,670	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		1,670	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		4,330	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,670	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,670	"	"	"
Pentachlorophenol (87-86-5)	U		1,670	"	"	"
Phenanthrene (85-01-8)	**2,950**		667	"	"	"
Phenol (108-95-2)	**57,200**		8,330	5	"	08/17/09
Pyrene (129-00-0)	**1,310**		667	1	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		1,670	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1,670	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,670	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-23 **Station ID: S15A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 3 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethyl methyl benzene isomer (NA)	**31,000**		3.37	5	08/12/09	08/17/09
Trimethyl benzene isomer (01) (NA)	**83,000**		3.61	"	"	"
Trimethyl benzene isomer (02) (NA)	**56,000**		3.82	"	"	"
Butanedioic acid, dimethyl ester (106-65-0)	**75,000**		3.85	"	"	"
Methyl propyl benzene isomer (NA)	**68,000**		4.00	"	"	"
Methyl propyl benzene isomer (01) (NA)	**29,000**		4.04	"	"	"
Ethyl dimethyl benzene isomer (01) (NA)	**52,000**		4.05	"	"	"
Methyl propyl benzene isomer (02) (NA)	**37,000**		4.12	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**44,000**		4.19	"	"	"
Ethyl dimethyl benzene isomer (04) (NA)	**34,000**		4.21	"	"	"
Ethyl dimethyl benzene isomer (03) (NA)	**75,000**		4.25	"	"	"
Undecane (1120-21-4)	**51,000**		4.29	"	"	"
Tetramethyl benzene isomer (01) (NA)	**40,000**		4.47	"	"	"
Tetramethyl benzene isomer (02) (NA)	**37,000**		4.50	"	"	"
Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]-(112-35-6)	**170,000**		5.16	"	"	"
Hexanedioic acid, dimethyl ester (627-93-0)	**78,000**		5.25	"	"	"
Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]-(000112-50-5)	**150,000**		5.55	"	"	"
Tert-butyl phenol isomer (NA)	**31,000**		5.63	"	"	"
Tetradecane (629-59-4)	**33,000**		6.16	"	"	"
Unknown ester (NA)	**40,000**		10.58	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	46.5		93.1	81-124	08/16/09	08/16/09
Surr: Toluene-d8	46.1		92.2	86-115	"	"
Surr: 4-Bromofluorobenzene	48.4		96.8	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		500	100	08/16/09	08/16/09
Chloromethane (74-87-3)	U		500	"	"	"
Vinyl chloride (75-01-4)	U		200	"	"	"
Bromomethane (74-83-9)	U		500	"	"	"
Chloroethane (75-00-3)	U		200	"	"	"
Trichlorofluoromethane (75-69-4)	U		200	"	"	"
1,1-Dichloroethene (75-35-4)	U		200	"	"	"
Carbon disulfide (75-15-0)	U		200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		200	"	"	"
Acetone (67-64-1)	**71,200**	**J**	20,000	2000	"	08/16/09
Methylene chloride (75-09-2)	**218**		200	100	"	08/16/09
Methyl acetate (79-20-9)	**35,800**		200	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		200	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		200	"	"	"
Methyl tert-butyl ether (1634-04-4)	**4,990**		200	"	"	"
1,1-Dichloroethane (75-34-3)	U		200	"	"	"
2-Butanone (78-93-3)	**41,300**		10,000	2000	"	08/16/09
Chloroform (67-66-3)	U		200	100	"	08/16/09
1,2-Dichloroethane (107-06-2)	U		200	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		200	"	"	"
Cyclohexane (110-82-7)	U		200	"	"	"
Carbon tetrachloride (56-23-5)	U		200	"	"	"
Benzene (71-43-2)	**1,530**		200	"	"	"
Trichloroethene (79-01-6)	U		200	"	"	"
Methylcyclohexane (108-87-2)	U		200	"	"	"
1,2-Dichloropropane (78-87-5)	U		200	"	"	"
Bromodichloromethane (75-27-4)	U		200	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		200	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		200	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		200	100	08/16/09	08/16/09
Dibromochloromethane (124-48-1)	U		200	"	"	"
Bromoform (75-25-2)	U		200	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		500	"	"	"
Toluene (108-88-3)	**50,900**		4,000	2000	"	08/16/09
Tetrachloroethene (127-18-4)	U		200	100	"	08/16/09
2-Hexanone (591-78-6)	U		500	"	"	"
1,2-Dibromoethane (106-93-4)	U		200	"	"	"
Chlorobenzene (108-90-7)	U		200	"	"	"
Ethylbenzene (100-41-4)	**2,460**		200	"	"	"
meta-/para-Xylene (na)	**9,830**		400	"	"	"
ortho-Xylene (95-47-6)	**4,040**		200	"	"	"
Styrene (100-42-5)	U		200	"	"	"
Isopropylbenzene (98-82-8)	**257**		200	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		200	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		200	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		200	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		200	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		500	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"

This sample was received at pH 3.
If biological activity is present, then aromatics may be biased low.

Environmental Protection Agency

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9I0301 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol (64-17-5)	**14,000**		2.36	100	08/16/09	08/16/09
C3H6O isomer (NA)	**2,500**		2.59	"	"	"
Isopropyl alcohol (67-63-0)	**4,300**		2.84	"	"	"
C2H3N isomer (NA)	**4,000**		2.93	"	"	"
C4H8O isomer (01) (NA)	**8,500**		3.65	"	"	"
1-Propanol (71-23-8)	**4,500**		4.21	"	"	"
Butanal (123-72-8)	**130,000**		4.53	"	"	"
unknown hydrocarbon (01) (NA)	**2,200**		4.87	"	"	"
Ethyl acetate (141-78-6)	**3,000**		4.88	"	"	"
C4H8O isomer (02) (NA)	**25,000**		5.10	"	"	"
1-Butanol (71-36-3)	**5,300**		6.53	"	"	"
C9H12 isomer (01) (NA)	**2,200**		11.27	"	"	"
2-Hexenal, 2-ethyl- (645-62-5)	**1,800**		11.56	"	"	"
C10H20O2 isomer (NA)	**2,500**		11.65	"	"	"
C9H12 isomer (02) (NA)	**1,600**		11.69	"	"	"
C10H14 isomer (01) (NA)	**1,700**		11.98	"	"	"
C10H14 isomer (02) (NA)	**2,800**		12.36	"	"	"
C10H14 isomer (03) (NA)	**2,100**		12.75	"	"	"
C10H14 isomer (04) (NA)	**2,700**		12.80	"	"	"
C10H14 isomer (05) (NA)	**1,800**		13.22	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9K2302
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	46.0		92.1	86-115	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**1,170**		200	100	11/04/09	11/04/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	7,360		98.1	41-121	08/12/09	08/17/09
Surr: Phenol-d5	5,320		70.9	43-118	"	"
Surr: 2-Chlorophenol-d4	6,880		91.7	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	3,500		70.0	35-110	"	"
Surr: Nitrobenzene-d5	4,700		94.1	44-127	"	"
Surr: 2-Fluorobiphenyl	4,750		94.9	45-115	"	"
Surr: 2,4,6-Tribromophenol	9,170		122	55-139	"	"
Surr: Terphenyl-d14	5,620		112	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		200	1	08/12/09	08/17/09
Acenaphthylene (208-96-8)	U		200	"	"	"
Acetophenone (98-86-2)	**18,100**		5,000	10	"	08/19/09
Anthracene (120-12-7)	U		200	1	"	08/17/09
Atrazine (1912-24-9)	U		500	"	"	"
Benzaldehyde (100-52-7)	U		500	"	"	"
Benzoic acid (65-85-0)	**21,600**	**J**	10,000	10	"	08/19/09
Benzo (a) anthracene (56-55-3)	U		500	1	"	08/17/09
Benzo (a) pyrene (50-32-8)	U		500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		500	"	"	"
Benzyl alcohol (100-51-6)	**8,840**		5,000	10	"	08/19/09
1,1'-Biphenyl (92-52-4)	U		500	1	"	08/17/09
Bis(2-chloroethoxy)methane (111-91-1)	U		500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		500	"	"	"
Carbazole (86-74-8)	U		500	"	"	"
Caprolactam (105-60-2)	U		500	"	"	"
4-Chloroaniline (106-47-8)	U		500	"	"	"
2-Chloronaphthalene (91-58-7)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		500	1	08/12/09	08/17/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	**1,620**	**NJ**	500	"	"	"
Chrysene (218-01-9)	U		500	"	"	"
Dibenzofuran (132-64-9)	U		500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		500	"	"	"
3,3'-Dichlorobenzidine (91-94-1)	U		500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		500	"	"	"
Diethyl phthalate (84-66-2)	U		500	"	"	"
2,4-Dimethylphenol (105-67-9)	U	RL	1,500	"	"	"
Dimethyl phthalate (131-11-3)	U		500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		2,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		2,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		500	"	"	"
Fluoranthene (206-44-0)	U		200	"	"	"
Fluorene (86-73-7)	**207**		200	"	"	"
Hexachlorobenzene (118-74-1)	U		500	"	"	"
Hexachlorobutadiene (87-68-3)	U		500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		500	"	"	"
Hexachloroethane (67-72-1)	U		500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		500	"	"	"
Isophorone (78-59-1)	U		500	"	"	"
2-Methylnaphthalene (91-57-6)	**2,580**		200	"	"	"
2-Methylphenol (95-48-7)	**21,100**		5,000	10	"	08/19/09
3 &/or 4-Methylphenol (106-44-5)	**23,000**		5,000	"	"	"
Naphthalene (91-20-3)	**21,400**		2,000	"	"	"
2-Nitroaniline (88-74-4)	U		800	1	"	08/17/09
3-Nitroaniline (99-09-2)	U		800	"	"	"
4-Nitroaniline (100-01-6)	U		800	"	"	"
Nitrobenzene (98-95-3)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		500	1	08/12/09	08/17/09
4-Nitrophenol (100-02-7)	U		1,300	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		500	"	"	"
Pentachlorophenol (87-86-5)	U		500	"	"	"
Phenanthrene (85-01-8)	**669**		200	"	"	"
Phenol (108-95-2)	**61,400**		5,000	10	"	08/19/09
Pyrene (129-00-0)	**288**		200	1	"	08/17/09
1,2,4-Trichlorobenzene (120-82-1)	U		500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-24 **Station ID: S16A**

Batch: B9H1201 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 10 ml Sample Qualifiers: A

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Ethanol, 2-butoxy- (111-76-2)	**11,000**		2.86	10	08/12/09	08/19/09
Trimethyl benzene isomer (NA)	**14,000**		3.50	"	"	"
Ethanol, 2-(2-ethoxyethoxy)- (111-90-0)	**64,000**		3.56	"	"	"
Butanedioic acid, dimethyl ester (106-65-0)	**94,000**		3.74	"	"	"
2-Propyl-1,3-dioxonanne (No CAS#)	**17,000**		3.81	"	"	"
Methyl propyl benzene isomer (NA)	**24,000**		3.90	"	"	"
Ethyl dimethyl benzene isomer (01) (NA)	**17,000**		3.95	"	"	"
Methyl methylethyl henzene isomer (NA)	**10,000**		4.09	"	"	"
Ethyl dimethyl benzene isomer (02) (NA)	**11,000**		4.10	"	"	"
Ethyl dimethyl henzene isomer (03) (NA)	**21,000**		4.14	"	"	"
Tetramethyl benzene isomer (02) (NA)	**13,000**		4.39	"	"	"
Pentanedioic acid, dimethyl ester (1119-40-0)	**12,000**		4.44	"	"	"
Butanedioic acid, monomethyl ester (3878-55-5)	**81,000**		4.47	"	"	"
Ethanol, 2-[2-(2-methoxyethoxy)ethoxy]- (112-35-6)	**460,000**		5.07	"	"	"
Hexanedioic acid, dimethyl ester (627-93-0)	**39,000**		5.15	"	"	"
Ethanol, 2-[2-(2-ethoxyethoxy)ethoxy]- (000112-50-5)	**390,000**		5.47	"	"	"
Tert-butyl phenol isomer (NA)	**40,000**		5.52	"	"	"
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy] (143-22-6)	**9,500**		6.48	"	"	"
1-Hexadecanol (36653-82-4)	**9,800**		8.49	"	"	"
Unknown ester (NA)	**12,000**		10.47	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-25 **Station ID: SIC-01**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**3,490,000**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	**9,730**		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**5,820**		2,500	"	"	"
Calcium (7440-70-2)	**215,000**		75,000	"	"	"
Chromium (7440-47-3)	**73,000**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**27,200**		10,000	"	"	"
Iron (7439-89-6)	**156,000,000**	K	12,500	"	"	"
Lead (7439-92-1)	**312,000**		15,000	"	"	"
Magnesium (7439-95-4)	**400,000**		75,000	"	"	"
Manganese (7439-96-5)	**1,360,000**		2,500	"	"	"
Nickel (7440-02-2)	U		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**182,000**		50,000	"	"	"
Silver (7440-22-4)	**44,100**		5,000	"	"	"
Sodium (7440-23-5)	**851,000**		250,000	"	"	"
Thallium (7440-28-0)	**103,000**		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**204,000**		10,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-25 **Station ID: SIC-01**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**3.28**		0.200	1	08/26/09	08/27/09

Environmental Protection Agency

Region 6 Laboratory

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TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-25 **Station ID: SIC-01**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		125	50	12/11/09	12/14/09
Chromium (7440-47-3)	**2,570**	**B**	125	"	"	"
Lead (7439-92-1)	**1,620**		125	"	"	"
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	**569**	**K**	125	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-26 **Station ID: SIC-02**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**3,130,000**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	**8,620**		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**5,030**		2,500	"	"	"
Calcium (7440-70-2)	**202,000**		75,000	"	"	"
Chromium (7440-47-3)	**64,100**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**23,900**		10,000	"	"	"
Iron (7439-89-6)	**141,000,000**	**K**	12,500	"	"	"
Lead (7439-92-1)	**276,000**		15,000	"	"	"
Magnesium (7439-95-4)	**368,000**		75,000	"	"	"
Manganese (7439-96-5)	**1,220,000**		2,500	"	"	"
Nickel (7440-02-2)	U		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**164,000**		50,000	"	"	"
Silver (7440-22-4)	**40,300**		5,000	"	"	"
Sodium (7440-23-5)	**768,000**		250,000	"	"	"
Thallium (7440-28-0)	**83,700**		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**183,000**		10,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-26 **Station ID: SIC-02**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**3.02**		0.200	1	08/26/09	08/27/09

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TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-26 **Station ID: SIC-02**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		125	50	12/11/09	12/14/09
Chromium (7440-47-3)	**2,550**	**B**	125	"	"	"
Lead (7439-92-1)	**1,800**		125	"	"	"
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	**620**		125	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-27 **Station ID: SIC-03**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**69,500**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	U		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**4,380**		2,500	"	"	"
Calcium (7440-70-2)	U		75,000	"	"	"
Chromium (7440-47-3)	**54,300**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**42,600**		10,000	"	"	"
Iron (7439-89-6)	**132,000,000**	**K**	12,500	"	"	"
Lead (7439-92-1)	U		15,000	"	"	"
Magnesium (7439-95-4)	U		75,000	"	"	"
Manganese (7439-96-5)	**504,000**		2,500	"	"	"
Nickel (7440-02-2)	**19,500**		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**155,000**		50,000	"	"	"
Silver (7440-22-4)	**17,500**		5,000	"	"	"
Sodium (7440-23-5)	U		250,000	"	"	"
Thallium (7440-28-0)	U		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**11,200**		10,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-27 **Station ID: SIC-03**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**14.3**		0.200	1	08/26/09	08/27/09

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TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-27 **Station ID: SIC-03**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Chromium (7440-47-3)	**7,310**	**B**	125	50	12/11/09	12/14/09
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	U		125	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 0908013-28 **Station ID: SIC-04**

Batch: B9H2001
Sample Type: Liquid

Date Collected: 08/08/09
Sample Volume: 50 ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**74,400**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	U		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**4,880**		2,500	"	"	"
Calcium (7440-70-2)	U		75,000	"	"	"
Chromium (7440-47-3)	**58,100**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**46,800**		10,000	"	"	"
Iron (7439-89-6)	**141,000,000**	**K**	12,500	"	"	"
Lead (7439-92-1)	U		15,000	"	"	"
Magnesium (7439-95-4)	U		75,000	"	"	"
Manganese (7439-96-5)	**547,000**		2,500	"	"	"
Nickel (7440-02-2)	**20,300**		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**161,000**		50,000	"	"	"
Silver (7440-22-4)	**18,900**		5,000	"	"	"
Sodium (7440-23-5)	U		250,000	"	"	"
Thallium (7440-28-0)	U		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**12,200**		10,000	"	"	"

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Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-28 **Station ID: SIC-04**

Batch: B9I0105
Sample Type: Liquid
Date Collected: 08/08/09
Sample Volume: 5 ml
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**13.6**		0.200	1	08/26/09	08/27/09

TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-28 **Station ID: SIC-04**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid
Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Chromium (7440-47-3)	**12,900**	**B**	125	50	12/11/09	12/14/09
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	U		125	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-29 **Station ID: SIC-05**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**80,500**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	U		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**5,140**		2,500	"	"	"
Calcium (7440-70-2)	U		75,000	"	"	"
Chromium (7440-47-3)	**58,500**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**47,700**		10,000	"	"	"
Iron (7439-89-6)	**144,000,000**	**K**	12,500	"	"	"
Lead (7439-92-1)	U		15,000	"	"	"
Magnesium (7439-95-4)	U		75,000	"	"	"
Manganese (7439-96-5)	**556,000**		2,500	"	"	"
Nickel (7440-02-2)	**21,900**		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**167,000**		50,000	"	"	"
Silver (7440-22-4)	**19,300**		5,000	"	"	"
Sodium (7440-23-5)	U		250,000	"	"	"
Thallium (7440-28-0)	U		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**12,100**		10,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-29 **Station ID: SIC-05**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**13.6**		0.200	1	08/26/09	08/27/09

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TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-29 **Station ID: SIC-05**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Chromium (7440-47-3)	**11,800**	**B**	125	50	12/11/09	12/14/09
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	U		125	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 0908013-30 **Station ID: SIC-06**

Batch: B9H2001
Sample Type: Liquid

Date Collected: 08/08/09
Sample Volume: 50 ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		2,000	20	08/20/09	09/16/09
Antimony (7440-36-0)	U		1,200	"	"	"
Arsenic (7440-38-2)	U	L	2,000	"	"	"
Barium (7440-39-3)	U		200	"	"	"
Beryllium (7440-41-7)	U		100	"	"	"
Cadmium (7440-43-9)	U		100	"	"	"
Calcium (7440-70-2)	U		3,000	"	"	"
Chromium (7440-47-3)	U		200	"	"	"
Cobalt (7440-48-4)	U		400	"	"	"
Copper (7440-50-8)	U		400	"	"	"
Iron (7439-89-6)	**3,100**	**K**	500	"	"	"
Lead (7439-92-1)	U		600	"	"	"
Magnesium (7439-95-4)	U		3,000	"	"	"
Manganese (7439-96-5)	U		100	"	"	"
Nickel (7440-02-2)	U		400	"	"	"
Potassium (7440-09-7)	U		20,000	"	"	"
Selenium (7782-49-2)	U		2,000	"	"	"
Silver (7440-22-4)	U		200	"	"	"
Sodium (7440-23-5)	**16,200**		10,000	"	"	"
Thallium (7440-28-0)	U		2,000	"	"	"
Vanadium (7440-62-2)	U		400	"	"	"
Zinc (7440-66-6)	**440**		400	"	"	"

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Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-30 **Station ID: SIC-06**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/26/09	08/27/09

Metals by EPA Method 6010B - ICP

Lab ID: 0908013-31 **Station ID: SIC-07**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**525,000**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	U		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**6,540**		2,500	"	"	"
Calcium (7440-70-2)	**328,000**		75,000	"	"	"
Chromium (7440-47-3)	**13,000**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**30,800**		10,000	"	"	"
Iron (7439-89-6)	**193,000,000**	**K**	12,500	"	"	"
Lead (7439-92-1)	**56,400**		15,000	"	"	"
Magnesium (7439-95-4)	**225,000**		75,000	"	"	"
Manganese (7439-96-5)	**687,000**		2,500	"	"	"
Nickel (7440-02-2)	**18,600**		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**226,000**		50,000	"	"	"
Silver (7440-22-4)	**27,100**		5,000	"	"	"
Sodium (7440-23-5)	U		250,000	"	"	"
Thallium (7440-28-0)	U		50,000	"	"	"
Vanadium (7440-62-2)	**60,200**		10,000	"	"	"
Zinc (7440-66-6)	**31,200**		10,000	"	"	"

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Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-31 **Station ID: SIC-07**

Batch: B9I0105
Sample Type: Liquid
Date Collected: 08/08/09
Sample Volume: 5 ml
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**2.80**		0.200	1	08/26/09	08/27/09

TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-31 **Station ID: SIC-07**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid
Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09
Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		125	50	12/11/09	12/14/09
Chromium (7440-47-3)	**4,400**	**B**	125	"	"	"
Lead (7439-92-1)	**182**		125	"	"	"
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	**142**		125	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-32 **Station ID: SIC-08**

Batch: B9H2001 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 50 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**99,300**		50,000	500	08/20/09	09/15/09
Antimony (7440-36-0)	U		30,000	"	"	"
Arsenic (7440-38-2)	U	L	50,000	"	"	"
Barium (7440-39-3)	U		5,000	"	"	"
Beryllium (7440-41-7)	U		2,500	"	"	"
Cadmium (7440-43-9)	**5,400**		2,500	"	"	"
Calcium (7440-70-2)	**400,000**		75,000	"	"	"
Chromium (7440-47-3)	**72,500**		5,000	"	"	"
Cobalt (7440-48-4)	U		10,000	"	"	"
Copper (7440-50-8)	**210,000**		10,000	"	"	"
Iron (7439-89-6)	**165,000,000**	K	12,500	"	"	"
Lead (7439-92-1)	U		15,000	"	"	"
Magnesium (7439-95-4)	**118,000**		75,000	"	"	"
Manganese (7439-96-5)	**788,000**		2,500	"	"	"
Nickel (7440-02-2)	**66,500**		10,000	"	"	"
Potassium (7440-09-7)	U		500,000	"	"	"
Selenium (7782-49-2)	**198,000**		50,000	"	"	"
Silver (7440-22-4)	**21,500**		5,000	"	"	"
Sodium (7440-23-5)	**760,000**		250,000	"	"	"
Thallium (7440-28-0)	U		50,000	"	"	"
Vanadium (7440-62-2)	U		10,000	"	"	"
Zinc (7440-66-6)	**36,200**		10,000	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-32 **Station ID: SIC-08**

Batch: B9I0105 Date Collected: 08/08/09
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**0.405**		0.200	1	08/26/09	08/27/09

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TCLP Metals by EPA Method 1311/6020 - ICP-MS

Lab ID: 0908013-32 **Station ID: SIC-08**

Batch: B9I0202
Sample Type: Liquid
Batch Matrix: Liquid

Date Collected: 08/08/09
Sample Volume: 10 ml
TCLP Prepared: 10/29/09

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cadmium (7440-43-9)	U		125	50	12/11/09	12/14/09
Chromium (7440-47-3)	**16,500**	**B**	125	"	"	"
Selenium (7782-49-2)	U		125	"	"	"
Silver (7440-22-4)	U		125	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	49.6		99.2	84-117	08/18/09	08/18/09
Surr: Toluene-d8	47.0		94.1	79-123	"	"
Surr: 4-Bromofluorobenzene	50.2		100	73-132	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		10,000	2000	08/18/09	08/18/09
Chloromethane (74-87-3)	U		10,000	"	"	"
Vinyl chloride (75-01-4)	U		4,000	"	"	"
Bromomethane (74-83-9)	U		10,000	"	"	"
Chloroethane (75-00-3)	U	RL	12,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		4,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		4,000	"	"	"
Carbon disulfide (75-15-0)	U		4,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		4,000	"	"	"
Acetone (67-64-1)	U	RL	40,000	"	"	"
Methylene chloride (75-09-2)	U		4,000	"	"	"
Methyl acetate (79-20-9)	U		10,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		4,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		4,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	**10,600**		4,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		4,000	"	"	"
2-Butanone (78-93-3)	**24,600**		10,000	"	"	"
Chloroform (67-66-3)	U		4,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		4,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		4,000	"	"	"
Cyclohexane (110-82-7)	**5,120**		4,000	"	"	"
Carbon tetrachloride (56-23-5)	U		4,000	"	"	"
Benzene (71-43-2)	**23,000**		4,000	"	"	"
Trichloroethene (79-01-6)	U		4,000	"	"	"
Methylcyclohexane (108-87-2)	U		4,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		4,000	"	"	"
Bromodichloromethane (75-27-4)	U		4,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		4,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		4,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		4,000	2000	08/18/09	08/18/09
Dibromochloromethane (124-48-1)	U		4,000	"	"	"
Bromoform (75-25-2)	U		4,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		10,000	"	"	"
Toluene (108-88-3)	**461,000**		4,000	"	"	"
Tetrachloroethene (127-18-4)	U		4,000	"	"	"
2-Hexanone (591-78-6)	U		10,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		4,000	"	"	"
Chlorobenzene (108-90-7)	U		4,000	"	"	"
Ethylbenzene (100-41-4)	**245,000**		4,000	"	"	"
meta-/para-Xylene (na)	**1,030,000**		8,000	"	"	"
ortho-Xylene (95-47-6)	**383,000**		4,000	"	"	"
Styrene (100-42-5)	U		4,000	"	"	"
Isopropylbenzene (98-82-8)	**7,600**		4,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		4,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		4,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		4,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		4,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		10,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		10,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9I0901 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Butanal (123-72-8)	**45,000**		4.51	2000	08/18/09	08/18/09
2-Heptene, 2,3-dimethyl- (3074-64-4)	**21,000**		9.66	"	"	"
propyl benzene (103-65-1)	**24,000**		10.72	"	"	"
C9H12 isomer (01) (NA)	**38,000**		10.81	"	"	"
C9H12 isomer (02) (NA)	**15,000**		10.90	"	"	"
C9H12 isomer (03) (NA)	**57,000**		11.27	"	"	"
C10H12 isomer (01) (NA)	**15,000**		11.65	"	"	"
C9H12 isomer (04) (NA)	**23,000**		11.69	"	"	"
C10H14 isomer (01) (NA)	**25,000**		11.92	"	"	"
C10H14 isomer (02) (NA)	**18,000**		11.97	"	"	"
C10H14 isomer (03) (NA)	**28,000**		11.98	"	"	"
C10H14 isomer (04) (NA)	**17,000**		12.16	"	"	"
C10H14 isomer (05) (NA)	**22,000**		12.25	"	"	"
C10H14 isomer (06) (NA)	**24,000**		12.28	"	"	"
C10H14 isomer (07) (NA)	**46,000**		12.35	"	"	"
C10H14 isomer (08) (NA)	**28,000**		12.75	"	"	"
C10H14 isomer (09) (NA)	**38,000**		12.80	"	"	"
C10H12 isomer (02) (NA)	**15,000**		13.06	"	"	"
C10H14 isomer (NA)	**17,000**		13.22	"	"	"
C10H12 isomer (04) (NA)	**18,000**		13.22	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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TCLP Combinate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9L1001 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Qualifiers: **HTS**
Batch Matrix: Non-Aqueous Liquid TCLP Prepared: 11/2/09

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers
Benzene (71-43-2)	**4,380**	

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9K2503
Sample Type: Non-Aqueous Liquid
Batch Matrix: Non-Aqueous Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result ug/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	45.4		90.7	79-123	11/04/09	11/04/09

Targets

Analyte (CAS Number)	Result ug/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**4,200**		200	100	11/04/09	11/04/09

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Phone:(281)983-2100 Fax:(281)983-2248

TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9K2506
Sample Type: Non-Aqueous Liquid
Batch Matrix: Liquid

Date Collected: 08/07/09
Sample Volume: 5 ml
TCLP Prepared: 11/2/09

Sample Qualifiers: **HTS**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: Toluene-d8	44.4		88.8	86-115	11/03/09	11/03/09

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzene (71-43-2)	**4,390**		400	200	11/03/09	11/03/09

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.506 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	214,000		72.3	10-153	08/17/09	08/19/09
Surr: Phenol-d5	388,000		131	16-138	"	"
Surr: 2-Chlorophenol-d4	380,000		128	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	262,000		133 #	28-127	"	"
Surr: Nitrobenzene-d5	253,000		128	20-142	"	"
Surr: 2-Fluorobiphenyl	268,000		136 #	40-129	"	"
Surr: 2,4,6-Tribromophenol	194,000		65.5	10-151	"	08/19/09
Surr: Terphenyl-d14	232,000		117	29-129	"	08/19/09

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		7,910	1	08/17/09	08/19/09
Acenaphthylene (208-96-8)	U		7,910	"	"	"
Acetophenone (98-86-2)	**413,000**		98,800	5	"	08/19/09
Anthracene (120-12-7)	U		7,910	1	"	08/19/09
Atrazine (1912-24-9)	U		19,800	"	"	"
Benzaldehyde (100-52-7)	U		19,800	"	"	"
Benzoic acid (65-85-0)	U		39,500	"	"	"
Benzo (a) anthracene (56-55-3)	U		19,800	"	"	"
Benzo (a) pyrene (50-32-8)	U		19,800	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		19,800	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		19,800	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		19,800	"	"	"
Benzyl alcohol (100-51-6)	U		19,800	"	"	"
1,1'-Biphenyl (92-52-4)	U		19,800	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		19,800	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		19,800	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		19,800	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		19,800	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		19,800	"	"	"
Butyl benzyl phthalate (85-68-7)	U		19,800	"	"	"
Carbazole (86-74-8)	U		19,800	"	"	"
Caprolactam (105-60-2)	U		19,800	"	"	"
4-Chloroaniline (106-47-8)	U		19,800	"	"	"
2-Chloronaphthalene (91-58-7)	U		19,800	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.506 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		19,800	1	08/17/09	08/19/09
4-Chlorophenyl phenyl ether (7005-72-3)	U		19,800	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		19,800	"	"	"
Chrysene (218-01-9)	U		19,800	"	"	"
Dibenzofuran (132-64-9)	U		19,800	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		19,800	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		19,800	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		19,800	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		19,800	"	"	"
3,3′-Dichlorobenzidine (91-94-1)	U		19,800	"	"	"
2,4-Dichlorophenol (120-83-2)	U		19,800	"	"	"
Diethyl phthalate (84-66-2)	U		19,800	"	"	"
2,4-Dimethylphenol (105-67-9)	U		19,800	"	"	"
Dimethyl phthalate (131-11-3)	U		19,800	"	"	"
2,4-Dinitrophenol (51-28-5)	U		79,100	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		19,800	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		19,800	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		79,100	"	"	"
Di-n-butyl phthalate (84-74-2)	U		19,800	"	"	"
Di-n-octyl phthalate (117-84-0)	U		19,800	"	"	"
Fluoranthene (206-44-0)	U		7,910	"	"	"
Fluorene (86-73-7)	U		7,910	"	"	"
Hexachlorobenzene (118-74-1)	U		19,800	"	"	"
Hexachlorobutadiene (87-68-3)	U		19,800	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		19,800	"	"	"
Hexachloroethane (67-72-1)	U		19,800	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		19,800	"	"	"
Isophorone (78-59-1)	U		19,800	"	"	"
2-Methylnaphthalene (91-57-6)	**136,000**		7,910	"	"	"
2-Methylphenol (95-48-7)	U		19,800	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		19,800	"	"	"
Naphthalene (91-20-3)	**306,000**		7,910	"	"	"
2-Nitroaniline (88-74-4)	U		31,600	"	"	"
3-Nitroaniline (99-09-2)	U		31,600	"	"	"
4-Nitroaniline (100-01-6)	U		31,600	"	"	"
Nitrobenzene (98-95-3)	U		19,800	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.506 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		19,800	1	08/17/09	08/19/09
4-Nitrophenol (100-02-7)	U		51,400	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		19,800	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		19,800	"	"	"
Pentachlorophenol (87-86-5)	U		19,800	"	"	"
Phenanthrene (85-01-8)	U		7,910	"	"	"
Phenol (108-95-2)	U		19,800	"	"	"
Pyrene (129-00-0)	U		7,910	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		19,800	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		19,800	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		19,800	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9H1701 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.506 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C10H20 isomer (NA)	**120,000**		3.25	1	08/17/09	08/19/09
Nonane, 4-methyl- (017301-94-9)	**160,000**		3.34	"	"	"
C9H12 isomer (01) (NA)	**330,000**		3.39	"	"	"
C9H12 isomer (03) (NA)	**170,000**		3.44	"	"	"
C9H12 isomer (04) (NA)	**660,000**		3.62	"	"	"
2-Hexenal, 2-ethyl- (645-62-5)	**170,000**		3.65	"	"	"
C9H12 isomer (02) (NA)	**460,000**		3.83	"	"	"
C10H12 isomer (03) (NA)	**160,000**		3.87	"	"	"
C10H14 isomer (01) (NA)	**430,000**		4.01	"	"	"
C10H14 isomer (02) (NA)	**570,000**		4.05	"	"	"
C10H14 isomer (05) (NA)	**480,000**		4.25	"	"	"
C10H14 isomer (03) (NA)	**200,000**		4.46	"	"	"
C10H14 isomer (04) (NA)	**240,000**		4.49	"	"	"
Pentanedioic acid, dimethyl... (1119-40-0)	**170,000**		4.54	"	"	"
C10H12 isomer (01) (NA)	**170,000**		4.63	"	"	"
C10H12 isomer (02) (NA)	**210,000**		4.71	"	"	"
C8H14O4 isomer (NA)	**390,000**		5.23	"	"	"
C13H26O2 isomer (NA)	**170,000**		6.84	"	"	"
C18H34O2 isomer (NA)	**720,000**		9.71	"	"	"
C21H40O4 isomer (NA)	**1,200,000**		11.75	"	"	"

Total # of TICs: 20

The compounds listed are *tentatively* identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard. A minimum of the top 10 most significant peaks that are at least 10% in area of the nearest internal standard are reported, excluding those found in the laboratory blank.

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Metals by EPA Method 6010B - ICP

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9I1001 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.6431 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**90,500**		7,770	1	09/10/09	09/23/09
Antimony (7440-36-0)	U		4,660	"	"	"
Arsenic (7440-38-2)	U		7,770	"	"	"
Barium (7440-39-3)	**69,700**		777	"	"	"
Beryllium (7440-41-7)	U		389	"	"	"
Cadmium (7440-43-9)	U		389	"	"	"
Calcium (7440-70-2)	**451,000**		11,700	"	"	"
Chromium (7440-47-3)	**3,740**		777	"	"	"
Cobalt (7440-48-4)	U		1,550	"	"	"
Copper (7440-50-8)	**7,730**		1,550	"	"	"
Iron (7439-89-6)	**780,000**		1,940	"	"	"
Lead (7439-92-1)	**10,400**		2,330	"	"	"
Magnesium (7439-95-4)	**21,200**		11,700	"	"	"
Manganese (7439-96-5)	**6,310**		389	"	"	"
Nickel (7440-02-2)	**9,610**		1,550	"	"	"
Potassium (7440-09-7)	**89,300**		77,700	"	"	"
Selenium (7782-49-2)	U		7,770	"	"	"
Silver (7440-22-4)	U		777	"	"	"
Sodium (7440-23-5)	**107,000**		38,900	"	"	"
Thallium (7440-28-0)	U		7,770	"	"	"
Vanadium (7440-62-2)	U		2,330	"	"	"
Zinc (7440-66-6)	**69,400**		1,550	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 0908013-33 **Station ID: S3B (bottom layer)**

Batch: B9I0106 Date Collected: 08/07/09
Sample Type: Non-Aqueous Liquid Sample Weight: 0.111 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	**0.050**		0.0002	1	08/26/09	08/27/09

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Ignitability by EPA Method 1020A

Batch: B9L1003

Laboratory ID	Station ID	Result
0908013-01	S2A	No Flash @ 60° C
0908013-02	S1B	Flash @ 38° C
0908013-03	S3A	Flash @ 30° C
0908013-04	S2B	No Flash @ 60° C
0908013-05	S4A	Flash @ 30° C
0908013-06	S5A	Flash @ 30° C
0908013-10	S3B (top layer)	Flash @ 30° C
0908013-11	S4B	Flash @ 30° C
0908013-12	S9A	No Flash @ 60° C
0908013-12RE1	S9A	No Flash @ 60° C
0908013-14	S5B	Flash @ 30° C
0908013-15	S6B	No Flash @ 60° C
0908013-16	S7B	No Flash @ 60° C
0908013-16RE1	S7B	No Flash @ 60° C
0908013-17	S8B	No Flash @ 60° C
0908013-17RE1	S8B	No Flash @ 60° C
0908013-19	S11A	No Flash @ 60° C
0908013-20	S12A	No Flash @ 60° C
0908013-21	S13A	No Flash @ 60° C
0908013-22	S14A	No Flash @ 60° C
0908013-23	S15A	Flash @ 50° C
0908013-24	S16A	No Flash @ 60° C
0908013-33	S3B (bottom layer)	Flash @ 38° C

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Volatiles by EPA Method 8260 - GC/MS --Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK1)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	49.4		50.0	98.7	81-124
Surr: Toluene-d8	49.4		50.0	98.8	86-115
Surr: 4-Bromofluorobenzene	50.7		50.0	101	76-115

Blank (B9I0301-BLK1)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK1)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK2)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	42.6		50.0	85.3	81-124
Surr: Toluene-d8	46.1		50.0	92.2	86-115
Surr: 4-Bromofluorobenzene	49.8		50.0	99.7	76-115

Blank (B9I0301-BLK2)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		5.0
1,1-Dichloroethene	U		5.0
Carbon disulfide	U		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		5.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK2)
Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK3)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	41.8		50.0	83.5	81-124
Surr: Toluene-d8	45.2		50.0	90.3	86-115
Surr: 4-Bromofluorobenzene	47.7		50.0	95.3	76-115

Blank (B9I0301-BLK3)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK3)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK4)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	45.2		50.0	90.5	81-124
Surr: Toluene-d8	48.1		50.0	96.2	86-115
Surr: 4-Bromofluorobenzene	50.6		50.0	101	76-115

Blank (B9I0301-BLK4)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK4)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK5)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	43.0		50.0	86.1	81-124
Surr: Toluene-d8	44.2		50.0	88.5	86-115
Surr: 4-Bromofluorobenzene	46.7		50.0	93.4	76-115

Blank (B9I0301-BLK5)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK5)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK6)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	43.9		50.0	87.7	81-124
Surr: Toluene-d8	44.9		50.0	89.9	86-115
Surr: 4-Bromofluorobenzene	47.5		50.0	94.9	76-115

Blank (B9I0301-BLK6)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		2.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Blank (B9I0301-BLK6)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS1)

Prepared: 8/13/2009 Analyzed: 8/13/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.1		50.0	88.1	81-124
Surr: Toluene-d8	44.5		50.0	89.0	86-115
Surr: 4-Bromofluorobenzene	46.5		50.0	93.1	76-115

LCS (B9I0301-BS1)

Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	46.7			50.0	93.4	64-176
Chloromethane	50.6			50.0	101	70-168
Vinyl chloride	48.5			50.0	97.1	69-153
Bromomethane	57.9			50.0	116	73-155
Chloroethane	45.1			50.0	90.2	68-137
Trichlorofluoromethane	49.2			50.0	98.5	74-137
1,1-Dichloroethene	45.5			50.0	90.9	71-142
Carbon disulfide	49.9			50.0	99.9	58-155
1,1,2-Trichloro-1,2,2-trifluoroethane	49.2			50.0	98.3	85-142
Acetone	23.4			50.0	46.9	46-159
Methylene chloride	47.6			50.0	95.2	75-126
Methyl acetate	44.8			50.0	89.6	70-137
trans-1,2-Dichloroethene	46.9			50.0	93.7	73-127
cis-1,2-Dichloroethene	47.2			50.0	94.3	83-121
Methyl tert-butyl ether	44.5			50.0	89.1	82-124
1,1-Dichloroethane	46.1			50.0	92.2	81-123
2-Butanone	31.1			50.0	62.2	57-153
Chloroform	45.2			50.0	90.4	83-119
1,2-Dichloroethane	42.9			50.0	85.7	81-120
1,1,1-Trichloroethane	46.2			50.0	92.4	82-124

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS1)

Prepared: 8/13/2009 Analyzed: 8/13/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	47.8			50.0	95.7	77-141
Carbon tetrachloride	45.7			50.0	91.4	81-124
Benzene	48.6			50.0	97.1	80-122
Trichloroethene	46.1			50.0	92.1	79-121
Methylcyclohexane	46.2			50.0	92.5	86-126
1,2-Dichloropropane	48.6			50.0	97.2	82-119
Bromodichloromethane	47.6			50.0	95.3	82-118
cis-1,3-Dichloropropene	45.9			50.0	91.7	78-120
trans-1,3-Dichloropropene	47.6			50.0	95.2	75-123
1,1,2-Trichloroethane	47.2			50.0	94.3	81-116
Dibromochloromethane	47.8			50.0	95.5	79-112
Bromoform	47.3			50.0	94.5	76-120
4-Methyl-2-pentanone	40.9			50.0	81.8	79-130
Toluene	48.0			50.0	95.9	81-122
Tetrachloroethene	47.8			50.0	95.6	81-120
2-Hexanone	34.1			50.0	68.3 #	69-138
1,2-Dibromoethane	47.8			50.0	95.7	81-117
Chlorobenzene	48.0			50.0	95.9	82-119
Ethylbenzene	47.8			50.0	95.6	79-126
meta-/para-Xylene	95.3			100	95.3	73-131
ortho-Xylene	47.4			50.0	94.9	79-124
Styrene	48.5			50.0	96.9	65-126
Isopropylbenzene	52.4			50.0	105	82-128
1,1,2,2-Tetrachloroethane	48.9			50.0	97.7	81-117
1,3-Dichlorobenzene	48.1			50.0	96.3	82-119
1,4-Dichlorobenzene	48.9			50.0	97.8	82-120
1,2-Dichlorobenzene	48.4			50.0	96.9	81-117
1,2-Dibromo-3-chloropropane	44.0			50.0	87.9	74-122
1,2,4-Trichlorobenzene	47.0			50.0	94.1	78-119

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS2)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	42.0		50.0	83.9	81-124
Surr: Toluene-d8	43.9		50.0	87.8	86-115
Surr: 4-Bromofluorobenzene	46.2		50.0	92.5	76-115

LCS (B9I0301-BS2)
Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	44.7			50.0	89.3	64-176
Chloromethane	45.3			50.0	90.6	70-168
Vinyl chloride	45.3			50.0	90.5	69-153
Bromomethane	60.0			50.0	120	73-155
Chloroethane	41.5			50.0	82.9	68-137
Trichlorofluoromethane	47.8			50.0	95.6	74-137
1,1-Dichloroethene	46.5			50.0	93.0	71-142
Carbon disulfide	48.6			50.0	97.1	58-155
1,1,2-Trichloro-1,2,2-trifluoroethane	47.4			50.0	94.9	85-142
Acetone	22.0			50.0	44.0 #	46-159
Methylene chloride	46.3			50.0	92.6	75-126
Methyl acetate	40.2			50.0	80.5	70-137
trans-1,2-Dichloroethene	45.9			50.0	91.9	73-127
cis-1,2-Dichloroethene	46.7			50.0	93.4	83-121
Methyl tert-butyl ether	44.1			50.0	88.2	82-124
1,1-Dichloroethane	43.4			50.0	86.7	81-123
2-Butanone	29.8			50.0	59.7	57-153
Chloroform	42.6			50.0	85.2	83-119
1,2-Dichloroethane	39.8			50.0	79.5 #	81-120
1,1,1-Trichloroethane	44.4			50.0	88.8	82-124

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS2)

Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	43.2			50.0	86.3	77-141
Carbon tetrachloride	43.9			50.0	87.9	81-124
Benzene	45.5			50.0	91.1	80-122
Trichloroethene	45.3			50.0	90.7	79-121
Methylcyclohexane	43.2			50.0	86.3	86-126
1,2-Dichloropropane	44.3			50.0	88.6	82-119
Bromodichloromethane	44.7			50.0	89.4	82-118
cis-1,3-Dichloropropene	44.7			50.0	89.3	78-120
trans-1,3-Dichloropropene	46.2			50.0	92.4	75-123
1,1,2-Trichloroethane	45.0			50.0	89.9	81-116
Dibromochloromethane	46.3			50.0	92.5	79-112
Bromoform	47.6			50.0	95.3	76-120
4-Methyl-2-pentanone	39.1			50.0	78.2 #	79-130
Toluene	46.3			50.0	92.6	81-122
Tetrachloroethene	48.2			50.0	96.4	81-120
2-Hexanone	32.9			50.0	65.8 #	69-138
1,2-Dibromoethane	47.7			50.0	95.4	81-117
Chlorobenzene	46.5			50.0	93.1	82-119
Ethylbenzene	46.5			50.0	93.0	79-126
meta-/para-Xylene	91.8			100	91.8	73-131
ortho-Xylene	46.1			50.0	92.2	79-124
Styrene	46.6			50.0	93.3	65-126
Isopropylbenzene	50.8			50.0	102	82-128
1,1,2,2-Tetrachloroethane	46.0			50.0	92.1	81-117
1,3-Dichlorobenzene	47.4			50.0	94.9	82-119
1,4-Dichlorobenzene	47.6			50.0	95.2	82-120
1,2-Dichlorobenzene	47.2			50.0	94.3	81-117
1,2-Dibromo-3-chloropropane	40.8			50.0	81.5	74-122
1,2,4-Trichlorobenzene	42.7			50.0	85.4	78-119

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS3)

Prepared: 8/16/2009 Analyzed: 8/16/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.7		50.0	89.4	81-124
Surr: Toluene-d8	45.5		50.0	91.1	86-115
Surr: 4-Bromofluorobenzene	48.6		50.0	97.2	76-115

LCS (B9I0301-BS3)

Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	46.4			50.0	92.7	64-176
Chloromethane	45.6			50.0	91.2	70-168
Vinyl chloride	45.7			50.0	91.5	69-153
Bromomethane	62.8			50.0	126	73-155
Chloroethane	42.1			50.0	84.2	68-137
Trichlorofluoromethane	49.8			50.0	99.7	74-137
1,1-Dichloroethene	47.0			50.0	94.0	71-142
Carbon disulfide	49.4			50.0	98.7	58-155
1,1,2-Trichloro-1,2,2-trifluoroethane	48.2			50.0	96.3	85-142
Acetone	22.2			50.0	44.4 #	46-159
Methylene chloride	46.3			50.0	92.7	75-126
Methyl acetate	41.6			50.0	83.3	70-137
trans-1,2-Dichloroethene	46.8			50.0	93.7	73-127
cis-1,2-Dichloroethene	48.4			50.0	96.8	83-121
Methyl tert-butyl ether	45.4			50.0	90.9	82-124
1,1-Dichloroethane	44.3			50.0	88.7	81-123
2-Butanone	30.3			50.0	60.5	57-153
Chloroform	44.8			50.0	89.7	83-119
1,2-Dichloroethane	42.8			50.0	85.7	81-120
1,1,1-Trichloroethane	47.4			50.0	94.7	82-124

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

LCS (B9I0301-BS3)
Prepared: 8/16/2009 Analyzed: 8/16/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	45.1			50.0	90.2	77-141
Carbon tetrachloride	47.1			50.0	94.3	81-124
Benzene	47.2			50.0	94.5	80-122
Trichloroethene	47.6			50.0	95.1	79-121
Methylcyclohexane	44.9			50.0	89.8	86-126
1,2-Dichloropropane	46.2			50.0	92.4	82-119
Bromodichloromethane	47.9			50.0	95.8	82-118
cis-1,3-Dichloropropene	46.4			50.0	92.8	78-120
trans-1,3-Dichloropropene	49.1			50.0	98.2	75-123
1,1,2-Trichloroethane	47.1			50.0	94.2	81-116
Dibromochloromethane	49.0			50.0	98.0	79-112
Bromoform	50.0			50.0	99.9	76-120
4-Methyl-2-pentanone	41.7			50.0	83.4	79-130
Toluene	48.8			50.0	97.5	81-122
Tetrachloroethene	50.9			50.0	102	81-120
2-Hexanone	34.8			50.0	69.6	69-138
1,2-Dibromoethane	49.8			50.0	99.7	81-117
Chlorobenzene	48.6			50.0	97.1	82-119
Ethylbenzene	48.8			50.0	97.7	79-126
meta-/para-Xylene	97.0			100	97.0	73-131
ortho-Xylene	47.9			50.0	95.8	79-124
Styrene	48.8			50.0	97.5	65-126
Isopropylbenzene	53.8			50.0	108	82-128
1,1,2,2-Tetrachloroethane	48.2			50.0	96.4	81-117
1,3-Dichlorobenzene	49.8			50.0	99.6	82-119
1,4-Dichlorobenzene	50.4			50.0	101	82-120
1,2-Dichlorobenzene	49.1			50.0	98.2	81-117
1,2-Dibromo-3-chloropropane	40.9			50.0	81.7	74-122
1,2,4-Trichlorobenzene	44.0			50.0	88.1	78-119

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Matrix Spike (B9I0301-MS1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.4		50.0	88.7	81-124
Surr: Toluene-d8	45.3		50.0	90.6	86-115
Surr: 4-Bromofluorobenzene	47.1		50.0	94.2	76-115

Matrix Spike (B9I0301-MS1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dichlorodifluoromethane	5,230			5,000		105	50-150
Chloromethane	4,940			5,000		98.9	50-150
Vinyl chloride	4,720			5,000		94.4	70-130
Bromomethane	5,840			5,000	45.0	116	50-150
Chloroethane	4,230			5,000		84.6	70-130
Trichlorofluoromethane	4,530			5,000		90.7	70-130
1,1-Dichloroethene	4,500			5,000		90.1	61-145
Carbon disulfide	4,700			5,000	44.0	93.1	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	4,620			5,000		92.4	70-130
Acetone	5,620			5,000	4,030	31.9 #	50-150
Methylene chloride	4,620			5,000	26.0	91.8	70-130
Methyl acetate	5,200			5,000	1,460	74.7	70-130
trans-1,2-Dichloroethene	4,820			5,000		96.3	70-130
cis-1,2-Dichloroethene	4,720			5,000		94.4	70-130
Methyl tert-butyl ether	4,920			5,000		98.3	70-130
1,1-Dichloroethane	4,370			5,000		87.5	70-130
2-Butanone	4,280			5,000	1,400	57.6	50-150
Chloroform	4,540			5,000	63.0	89.6	70-130
1,2-Dichloroethane	4,210			5,000		84.1	70-130
1,1,1-Trichloroethane	4,480			5,000		89.5	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Matrix Spike (B9I0301-MS1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyclohexane	6,500			5,000	1,970	90.8	70-130
Carbon tetrachloride	4,470			5,000		89.3	70-130
Benzene	5,860			5,000	1,160	93.9	76-127
Trichloroethene	4,770			5,000	32.0	94.8	71-120
Methylcyclohexane	4,890			5,000	405	89.7	70-130
1,2-Dichloropropane	4,590			5,000		91.8	70-130
Bromodichloromethane	4,570			5,000		91.5	70-130
cis-1,3-Dichloropropene	4,720			5,000		94.4	70-130
trans-1,3-Dichloropropene	4,750			5,000		95.0	70-130
1,1,2-Trichloroethane	4,890			5,000		97.8	70-130
Dibromochloromethane	4,930			5,000		98.6	70-130
Bromoform	4,980			5,000		99.7	70-130
4-Methyl-2-pentanone	4,380			5,000	165	84.4	70-130
Toluene	17,200			5,000	12,200	100	76-125
Tetrachloroethene	5,060			5,000	87.0	99.5	70-130
2-Hexanone	3,670			5,000		73.4	70-130
1,2-Dibromoethane	4,980			5,000		99.5	70-130
Chlorobenzene	4,820			5,000		96.4	75-130
Ethylbenzene	15,600			5,000	10,200	108	70-130
meta-/para-Xylene	51,800			10,000	40,100	117	70-130
ortho-Xylene	20,400			5,000	14,600	116	70-130
Styrene	5,380			5,000		108	70-130
Isopropylbenzene	6,040			5,000	1,220	96.4	70-130
1,1,2,2-Tetrachloroethane	4,970			5,000		99.3	70-130
1,3-Dichlorobenzene	4,980			5,000		99.6	70-130
1,4-Dichlorobenzene	4,940			5,000		98.8	70-130
1,2-Dichlorobenzene	4,950			5,000		99.0	70-130
1,2-Dibromo-3-chloropropane	5,000			5,000		100	50-150
1,2,4-Trichlorobenzene	4,110			5,000		82.1	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Matrix Spike Dup (B9I0301-MSD1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.7		50.0	89.4	81-124
Surr: Toluene-d8	45.0		50.0	89.9	86-115
Surr: 4-Bromofluorobenzene	47.9		50.0	95.8	76-115

Matrix Spike Dup (B9I0301-MSD1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	5,400			5,000		108	50-150	3.21	20
Chloromethane	5,070			5,000		101	50-150	2.44	20
Vinyl chloride	4,920			5,000		98.4	70-130	4.21	20
Bromomethane	6,740			5,000	45.0	134	50-150	14.2	20
Chloroethane	4,410			5,000		88.2	70-130	4.10	20
Trichlorofluoromethane	4,640			5,000		92.9	70-130	2.42	20
1,1-Dichloroethene	4,560			5,000		91.3	61-145	1.30	14
Carbon disulfide	4,850			5,000	44.0	96.2	70-130	3.20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	4,770			5,000		95.3	70-130	3.18	20
Acetone	5,600			5,000	4,030	31.5 #	50-150	0.39	20
Methylene chloride	4,720			5,000	26.0	93.9	70-130	2.18	20
Methyl acetate	5,410			5,000	1,460	79.0	70-130	4.05	20
trans-1,2-Dichloroethene	4,940			5,000		98.8	70-130	2.54	20
cis-1,2-Dichloroethene	4,840			5,000		96.8	70-130	2.49	20
Methyl tert-butyl ether	5,050			5,000		101	70-130	2.65	20
1,1-Dichloroethane	4,520			5,000		90.4	70-130	3.33	20
2-Butanone	4,510			5,000	1,400	62.3	50-150	5.35	20
Chloroform	4,740			5,000	63.0	93.6	70-130	4.29	20
1,2-Dichloroethane	4,330			5,000		86.6	70-130	2.88	20
1,1,1-Trichloroethane	4,560			5,000		91.2	70-130	1.86	20

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0301 **Sample Type: Liquid**

Matrix Spike Dup (B9I0301-MSD1)

Source: 0908013-17 Prepared: 8/14/2009 Analyzed: 8/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyclohexane	6,360			5,000	1,970	87.9	70-130	2.24	20
Carbon tetrachloride	4,520			5,000		90.4	70-130	1.18	20
Benzene	5,880			5,000	1,160	94.4	76-127	0.41	11
Trichloroethene	4,820			5,000	32.0	95.7	71-120	0.94	14
Methylcyclohexane	4,850			5,000	405	89.0	70-130	0.80	20
1,2-Dichloropropane	4,600			5,000		92.1	70-130	0.33	20
Bromodichloromethane	4,630			5,000		92.7	70-130	1.30	20
cis-1,3-Dichloropropene	4,800			5,000		96.0	70-130	1.66	20
trans-1,3-Dichloropropene	4,820			5,000		96.4	70-130	1.48	20
1,1,2-Trichloroethane	4,910			5,000		98.2	70-130	0.33	20
Dibromochloromethane	5,010			5,000		100	70-130	1.57	20
Bromoform	5,050			5,000		101	70-130	1.39	20
4-Methyl-2-pentanone	4,370			5,000	165	84.1	70-130	0.30	20
Toluene	16,500			5,000	12,200	86.3	76-125	4.13	13
Tetrachloroethene	5,090			5,000	87.0	100	70-130	0.55	20
2-Hexanone	3,730			5,000		74.6	70-130	1.62	20
1,2-Dibromoethane	5,060			5,000		101	70-130	1.61	20
Chlorobenzene	4,930			5,000		98.5	75-130	2.18	13
Ethylbenzene	14,800			5,000	10,200	91.9	70-130	5.36	20
meta-/para-Xylene	48,300			10,000	40,100	81.4	70-130	7.07	20
ortho-Xylene	19,200			5,000	14,600	91.0	70-130	6.29	20
Styrene	5,420			5,000		108	70-130	0.81	20
Isopropylbenzene	5,990			5,000	1,220	95.5	70-130	0.72	20
1,1,2,2-Tetrachloroethane	5,130			5,000		103	70-130	3.29	20
1,3-Dichlorobenzene	5,040			5,000		101	70-130	1.34	20
1,4-Dichlorobenzene	5,060			5,000		101	70-130	2.48	20
1,2-Dichlorobenzene	5,100			5,000		102	70-130	3.00	20
1,2-Dibromo-3-chloropropane	4,970			5,000		99.4	50-150	0.68	20
1,2,4-Trichlorobenzene	4,280			5,000		85.5	70-130	4.03	20

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK1)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	46.4		50.0	92.9	84-117
Surr: Toluene-d8	45.6		50.0	91.2	79-123
Surr: 4-Bromofluorobenzene	47.4		50.0	94.8	73-132

Blank (B9I0901-BLK1)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK1)

Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK2)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	49.0		50.0	98.0	84-117
Surr: Toluene-d8	46.2		50.0	92.5	79-123
Surr: 4-Bromofluorobenzene	49.8		50.0	99.6	73-132

Blank (B9I0901-BLK2)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		100
Bromomethane	U		250
Chloroethane	U		100
Trichlorofluoromethane	U		100
1,1-Dichloroethene	U		100
Carbon disulfide	U		100
1,1,2-Trichloro-1,2,2-trifluoroethane	U		100
Acetone	U		500
Methylene chloride	U		100
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		100
cis-1,2-Dichloroethene	U		100
Methyl tert-butyl ether	U		100
1,1-Dichloroethane	U		100
2-Butanone	U		250
Chloroform	U		100
1,2-Dichloroethane	U		100
1,1,1-Trichloroethane	U		100

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK2)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		100
Carbon tetrachloride	U		100
Benzene	U		100
Trichloroethene	U		100
Methylcyclohexane	U		100
1,2-Dichloropropane	U		100
Bromodichloromethane	U		100
cis-1,3-Dichloropropene	U		100
trans-1,3-Dichloropropene	U		100
1,1,2-Trichloroethane	U		100
Dibromochloromethane	U		100
Bromoform	U		100
4-Methyl-2-pentanone	U		250
Toluene	U		100
Tetrachloroethene	U		100
2-Hexanone	U		250
1,2-Dibromoethane	U		100
Chlorobenzene	U		100
Ethylbenzene	U		100
meta-/para-Xylene	U		200
ortho-Xylene	U		100
Styrene	U		100
Isopropylbenzene	U		100
1,1,2,2-Tetrachloroethane	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
1,2-Dichlorobenzene	U		100
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK3)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	46.7		50.0	93.4	84-117
Surr: Toluene-d8	45.7		50.0	91.4	79-123
Surr: 4-Bromofluorobenzene	47.8		50.0	95.6	73-132

Blank (B9I0901-BLK3)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

Environmental Protection Agency
Region 6 Laboratory
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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK3)

Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueons Liquid**

Blank (B9I0901-BLK4)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	45.5		50.0	91.1	84-117
Surr: Toluene-d8	45.8		50.0	91.5	79-123
Surr: 4-Bromofluorobenzene	48.6		50.0	97.1	73-132

Blank (B9I0901-BLK4)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK4)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK5)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	47.1		50.0	94.1	84-117
Surr: Toluene-d8	44.1		50.0	88.3	79-123
Surr: 4-Bromofluorobenzene	49.1		50.0	98.1	73-132

Blank (B9I0901-BLK5)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		100
Bromomethane	U		250
Chloroethane	U		100
Trichlorofluoromethane	U		100
1,1-Dichloroethene	U		100
Carbon disulfide	U		100
1,1,2-Trichloro-1,2,2-trifluoroethane	U		100
Acetone	U		500
Methylene chloride	U		100
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		100
cis-1,2-Dichloroethene	U		100
Methyl tert-butyl ether	U		100
1,1-Dichloroethane	U		100
2-Butanone	U		250
Chloroform	U		100
1,2-Dichloroethane	U		100
1,1,1-Trichloroethane	U		100

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK5)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		100
Carbon tetrachloride	U		100
Benzene	U		100
Trichloroethene	U		100
Methylcyclohexane	U		100
1,2-Dichloropropane	U		100
Bromodichloromethane	U		100
cis-1,3-Dichloropropene	U		100
trans-1,3-Dichloropropene	U		100
1,1,2-Trichloroethane	U		100
Dibromochloromethane	U		100
Bromoform	U		100
4-Methyl-2-pentanone	U		250
Toluene	U		100
Tetrachloroethene	U		100
2-Hexanone	U		250
1,2-Dibromoethane	U		100
Chlorobenzene	U		100
Ethylbenzene	U		100
meta-/para-Xylene	U		200
ortho-Xylene	U		100
Styrene	U		100
Isopropylbenzene	U		100
1,1,2,2-Tetrachloroethane	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
1,2-Dichlorobenzene	U		100
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK6)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	46.1		50.0	92.1	84-117
Surr: Toluene-d8	45.2		50.0	90.4	79-123
Surr: 4-Bromofluorobenzene	47.6		50.0	95.3	73-132

Blank (B9I0901-BLK6)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK6)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK7)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.9		50.0	89.8	84-117
Surr: Toluene-d8	43.4		50.0	86.8	79-123
Surr: 4-Bromofluorobenzene	45.9		50.0	91.8	73-132

Blank (B9I0901-BLK7)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK7)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK8)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	52.7		50.0	105	84-117
Surr: Toluene-d8	46.7		50.0	93.4	79-123
Surr: 4-Bromofluorobenzene	51.0		50.0	102	73-132

Blank (B9I0901-BLK8)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		100
Bromomethane	U		250
Chloroethane	U		100
Trichlorofluoromethane	U		100
1,1-Dichloroethene	U		100
Carbon disulfide	U		100
1,1,2-Trichloro-1,2,2-trifluoroethane	U		100
Acetone	U		500
Methylene chloride	U		100
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		100
cis-1,2-Dichloroethene	U		100
Methyl tert-butyl ether	U		100
1,1-Dichloroethane	U		100
2-Butanone	U		250
Chloroform	U		100
1,2-Dichloroethane	U		100
1,1,1-Trichloroethane	U		100

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK8)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		100
Carbon tetrachloride	U		100
Benzene	U		100
Trichloroethene	U		100
Methylcyclohexane	U		100
1,2-Dichloropropane	U		100
Bromodichloromethane	U		100
cis-1,3-Dichloropropene	U		100
trans-1,3-Dichloropropene	U		100
1,1,2-Trichloroethane	U		100
Dibromochloromethane	U		100
Bromoform	U		100
4-Methyl-2-pentanone	U		250
Toluene	U		100
Tetrachloroethene	U		100
2-Hexanone	U		250
1,2-Dibromoethane	U		100
Chlorobenzene	U		100
Ethylbenzene	U		100
meta-/para-Xylene	U		200
ortho-Xylene	U		100
Styrene	U		100
Isopropylbenzene	U		100
1,1,2,2-Tetrachloroethane	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
1,2-Dichlorobenzene	U		100
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK9)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	47.5		50.0	94.9	84-117
Surr: Toluene-d8	45.5		50.0	90.9	79-123
Surr: 4-Bromofluorobenzene	48.3		50.0	96.7	73-132

Blank (B9I0901-BLK9)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		5.0
Chloromethane	U		5.0
Vinyl chloride	U		2.0
Bromomethane	U		5.0
Chloroethane	U		2.0
Trichlorofluoromethane	U		2.0
1,1-Dichloroethene	U		2.0
Carbon disulfide	U		2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		2.0
Acetone	U		10.0
Methylene chloride	U		2.0
Methyl acetate	U		5.0
trans-1,2-Dichloroethene	U		2.0
cis-1,2-Dichloroethene	U		2.0
Methyl tert-butyl ether	U		2.0
1,1-Dichloroethane	U		2.0
2-Butanone	U		5.0
Chloroform	U		2.0
1,2-Dichloroethane	U		2.0
1,1,1-Trichloroethane	U		2.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLK9)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		2.0
Carbon tetrachloride	U		2.0
Benzene	U		2.0
Trichloroethene	U		2.0
Methylcyclohexane	U		2.0
1,2-Dichloropropane	U		2.0
Bromodichloromethane	U		2.0
cis-1,3-Dichloropropene	U		2.0
trans-1,3-Dichloropropene	U		2.0
1,1,2-Trichloroethane	U		2.0
Dibromochloromethane	U		2.0
Bromoform	U		2.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		2.0
Tetrachloroethene	U		2.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		2.0
Chlorobenzene	U		2.0
Ethylbenzene	U		2.0
meta-/para-Xylene	U		4.0
ortho-Xylene	U		2.0
Styrene	U		2.0
Isopropylbenzene	U		2.0
1,1,2,2-Tetrachloroethane	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
1,2-Dichlorobenzene	U		2.0
1,2-Dibromo-3-chloropropane	U		5.0
1,2,4-Trichlorobenzene	U		5.0

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLKA)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	45.3		50.0	90.7	84-117
Surr: Toluene-d8	42.7		50.0	85.3	79-123
Surr: 4-Bromofluorobenzene	41.3		50.0	82.6	73-132

Blank (B9I0901-BLKA)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		100
Bromomethane	U		250
Chloroethane	U		100
Trichlorofluoromethane	U		100
1,1-Dichloroethene	U		100
Carbon disulfide	U		100
1,1,2-Trichloro-1,2,2-trifluoroethane	U		100
Acetone	U		500
Methylene chloride	U		100
Methyl acetate	354		250
trans-1,2-Dichloroethene	U		100
cis-1,2-Dichloroethene	U		100
Methyl tert-butyl ether	U		100
1,1-Dichloroethane	U		100
2-Butanone	U		250
Chloroform	U		100
1,2-Dichloroethane	U		100
1,1,1-Trichloroethane	U		100

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0901-BLKA)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		100
Carbon tetrachloride	U		100
Benzene	U		100
Trichloroethene	U		100
Methylcyclohexane	U		100
1,2-Dichloropropane	U		100
Bromodichloromethane	U		100
cis-1,3-Dichloropropene	U		100
trans-1,3-Dichloropropene	U		100
1,1,2-Trichloroethane	U		100
Dibromochloromethane	U		100
Bromoform	U		100
4-Methyl-2-pentanone	U		250
Toluene	U		100
Tetrachloroethene	U		100
2-Hexanone	U		250
1,2-Dibromoethane	U		100
Chlorobenzene	U		100
Ethylbenzene	U		100
meta-/para-Xylene	U		200
ortho-Xylene	U		100
Styrene	U		100
Isopropylbenzene	U		100
1,1,2,2-Tetrachloroethane	U		100
1,3-Dichlorobenzene	U		100
1,4-Dichlorobenzene	U		100
1,2-Dichlorobenzene	U		100
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS1)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	45.1		50.0	90.2	84-117
Surr: Toluene-d8	45.8		50.0	91.7	79-123
Surr: 4-Bromofluorobenzene	48.3		50.0	96.6	73-132

LCS (B9I0901-BS1)
Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	46.6			50.0	93.3	50-150
Chloromethane	45.3			50.0	90.7	50-150
Vinyl chloride	44.9			50.0	89.8	70-130
Bromomethane	66.9			50.0	134	50-150
Chloroethane	43.0			50.0	86.1	70-130
Trichlorofluoromethane	50.1			50.0	100	70-130
1,1-Dichloroethene	46.5			50.0	93.1	70-130
Carbon disulfide	48.2			50.0	96.4	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	48.5			50.0	97.0	70-130
Acetone	22.2			50.0	44.4 #	50-150
Methylene chloride	45.6			50.0	91.2	70-130
Methyl acetate	42.0			50.0	84.0	70-130
trans-1,2-Dichloroethene	46.5			50.0	93.0	70-130
cis-1,2-Dichloroethene	48.1			50.0	96.1	70-130
Methyl tert-butyl ether	45.7			50.0	91.4	70-130
1,1-Dichloroethane	44.6			50.0	89.2	70-130
2-Butanone	31.8			50.0	63.6	50-150
Chloroform	45.5			50.0	90.9	70-130
1,2-Dichloroethane	44.8			50.0	89.6	70-130
1,1,1-Trichloroethane	49.1			50.0	98.2	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS1)

Prepared: 8/17/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	46.2			50.0	92.4	70-130
Carbon tetrachloride	48.9			50.0	97.8	70-130
Benzene	48.5			50.0	97.0	70-130
Trichloroethene	48.4			50.0	96.8	70-130
Methylcyclohexane	46.1			50.0	92.3	70-130
1,2-Dichloropropane	47.6			50.0	95.3	70-130
Bromodichloromethane	49.1			50.0	98.3	70-130
cis-1,3-Dichloropropene	47.6			50.0	95.3	70-130
trans-1,3-Dichloropropene	50.6			50.0	101	70-130
1,1,2-Trichloroethane	48.9			50.0	97.8	70-130
Dibromochloromethane	50.3			50.0	101	70-130
Bromoform	50.9			50.0	102	70-130
4-Methyl-2-pentanone	42.8			50.0	85.6	70-130
Toluene	49.4			50.0	98.8	70-130
Tetrachloroethene	51.6			50.0	103	70-130
2-Hexanone	36.8			50.0	73.6	70-130
1,2-Dibromoethane	50.3			50.0	101	70-130
Chlorobenzene	49.8			50.0	99.7	70-130
Ethylbenzene	49.7			50.0	99.4	70-130
meta-/para-Xylene	98.4			100	98.4	70-130
ortho-Xylene	49.5			50.0	98.9	70-130
Styrene	50.3			50.0	101	70-130
Isopropylbenzene	54.8			50.0	110	70-130
1,1,2,2-Tetrachloroethane	49.7			50.0	99.3	70-130
1,3-Dichlorobenzene	51.0			50.0	102	70-130
1,4-Dichlorobenzene	51.2			50.0	102	70-130
1,2-Dichlorobenzene	50.2			50.0	100	70-130
1,2-Dibromo-3-chloropropane	44.4			50.0	88.8	50-150
1,2,4-Trichlorobenzene	45.4			50.0	90.7	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS2)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	48.4		50.0	96.8	84-117
Surr: Toluene-d8	48.0		50.0	95.9	79-123
Surr: 4-Bromofluorobenzene	50.8		50.0	102	73-132

LCS (B9I0901-BS2)
Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	46.9			50.0	93.7	50-150
Chloromethane	45.8			50.0	91.6	50-150
Vinyl chloride	45.5			50.0	91.0	70-130
Bromomethane	67.2			50.0	134	50-150
Chloroethane	43.1			50.0	86.1	70-130
Trichlorofluoromethane	51.0			50.0	102	70-130
1,1-Dichloroethene	47.8			50.0	95.6	70-130
Carbon disulfide	50.5			50.0	101	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	49.1			50.0	98.2	70-130
Acetone	24.2			50.0	48.4 #	50-150
Methylene chloride	48.1			50.0	96.2	70-130
Methyl acetate	42.4			50.0	84.8	70-130
trans-1,2-Dichloroethene	48.4			50.0	96.8	70-130
cis-1,2-Dichloroethene	50.3			50.0	101	70-130
Methyl tert-butyl ether	48.1			50.0	96.1	70-130
1,1-Dichloroethane	46.4			50.0	92.8	70-130
2-Butanone	31.8			50.0	63.7	50-150
Chloroform	47.4			50.0	94.7	70-130
1,2-Dichloroethane	46.5			50.0	93.0	70-130
1,1,1-Trichloroethane	50.9			50.0	102	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS2)

Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	45.7			50.0	91.5	70-130
Carbon tetrachloride	50.1			50.0	100	70-130
Benzene	49.3			50.0	98.6	70-130
Trichloroethene	49.7			50.0	99.4	70-130
Methylcyclohexane	45.3			50.0	90.5	70-130
1,2-Dichloropropane	47.8			50.0	95.6	70-130
Bromodichloromethane	50.8			50.0	102	70-130
cis-1,3-Dichloropropene	49.6			50.0	99.1	70-130
trans-1,3-Dichloropropene	53.2			50.0	106	70-130
1,1,2-Trichloroethane	50.5			50.0	101	70-130
Dibromochloromethane	53.0			50.0	106	70-130
Bromoform	53.6			50.0	107	70-130
4-Methyl-2-pentanone	45.0			50.0	90.1	70-130
Toluene	50.7			50.0	101	70-130
Tetrachloroethene	52.3			50.0	105	70-130
2-Hexanone	38.0			50.0	76.1	70-130
1,2-Dibromoethane	52.6			50.0	105	70-130
Chlorobenzene	51.2			50.0	102	70-130
Ethylbenzene	50.4			50.0	101	70-130
meta-/para-Xylene	99.6			100	99.6	70-130
ortho-Xylene	50.4			50.0	101	70-130
Styrene	51.4			50.0	103	70-130
Isopropylbenzene	55.2			50.0	110	70-130
1,1,2,2-Tetrachloroethane	49.9			50.0	99.8	70-130
1,3-Dichlorobenzene	52.2			50.0	104	70-130
1,4-Dichlorobenzene	52.2			50.0	104	70-130
1,2-Dichlorobenzene	51.4			50.0	103	70-130
1,2-Dibromo-3-chloropropane	42.3			50.0	84.6	50-150
1,2,4-Trichlorobenzene	37.8			50.0	75.6	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS3)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	44.1		50.0	88.1	84-117
Surr: Toluene-d8	42.0		50.0	84.0	79-123
Surr: 4-Bromofluorobenzene	44.8		50.0	89.6	73-132

LCS (B9I0901-BS3)
Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	42.7			50.0	85.4	50-150
Chloromethane	40.5			50.0	81.0	50-150
Vinyl chloride	39.9			50.0	79.8	70-130
Bromomethane	62.1			50.0	124	50-150
Chloroethane	38.8			50.0	77.6	70-130
Trichlorofluoromethane	48.1			50.0	96.2	70-130
1,1-Dichloroethene	43.0			50.0	86.0	70-130
Carbon disulfide	45.1			50.0	90.3	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	44.9			50.0	89.9	70-130
Acetone	21.9			50.0	43.7 #	50-150
Methylene chloride	42.6			50.0	85.2	70-130
Methyl acetate	38.0			50.0	75.9	70-130
trans-1,2-Dichloroethene	43.5			50.0	87.0	70-130
cis-1,2-Dichloroethene	44.8			50.0	89.7	70-130
Methyl tert-butyl ether	43.2			50.0	86.3	70-130
1,1-Dichloroethane	41.2			50.0	82.4	70-130
2-Butanone	30.1			50.0	60.1	50-150
Chloroform	43.1			50.0	86.1	70-130
1,2-Dichloroethane	42.9			50.0	85.8	70-130
1,1,1-Trichloroethane	46.3			50.0	92.6	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS3)

Prepared: 8/19/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	41.7			50.0	83.4	70-130
Carbon tetrachloride	46.8			50.0	93.6	70-130
Benzene	43.7			50.0	87.5	70-130
Trichloroethene	44.3			50.0	88.7	70-130
Methylcyclohexane	41.6			50.0	83.1	70-130
1,2-Dichloropropane	43.2			50.0	86.4	70-130
Bromodichloromethane	46.2			50.0	92.4	70-130
cis-1,3-Dichloropropene	44.7			50.0	89.3	70-130
trans-1,3-Dichloropropene	48.2			50.0	96.5	70-130
1,1,2-Trichloroethane	44.7			50.0	89.4	70-130
Dibromochloromethane	47.5			50.0	95.1	70-130
Bromoform	48.2			50.0	96.4	70-130
4-Methyl-2-pentanone	40.2			50.0	80.4	70-130
Toluene	45.0			50.0	89.9	70-130
Tetrachloroethene	47.4			50.0	94.8	70-130
2-Hexanone	34.4			50.0	68.9 #	70-130
1,2-Dibromoethane	47.2			50.0	94.4	70-130
Chlorobenzene	46.0			50.0	91.9	70-130
Ethylbenzene	45.5			50.0	91.0	70-130
meta-/para-Xylene	90.6			100	90.6	70-130
ortho-Xylene	45.0			50.0	90.1	70-130
Styrene	46.2			50.0	92.3	70-130
Isopropylbenzene	50.2			50.0	100	70-130
1,1,2,2-Tetrachloroethane	44.5			50.0	89.0	70-130
1,3-Dichlorobenzene	46.9			50.0	93.8	70-130
1,4-Dichlorobenzene	47.2			50.0	94.4	70-130
1,2-Dichlorobenzene	46.4			50.0	92.8	70-130
1,2-Dibromo-3-chloropropane	38.7			50.0	77.4	50-150
1,2,4-Trichlorobenzene	33.4			50.0	66.8 #	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS4)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	47.6		50.0	95.2	84-117
Surr: Toluene-d8	45.9		50.0	91.9	79-123
Surr: 4-Bromofluorobenzene	45.3		50.0	90.7	73-132

LCS (B9I0901-BS4)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	78.2			50.0	156 #	50-150
Chloromethane	52.0			50.0	104	50-150
Vinyl chloride	55.2			50.0	110	70-130
Bromomethane	59.6			50.0	119	50-150
Chloroethane	61.6			50.0	123	70-130
Trichlorofluoromethane	64.5			50.0	129	70-130
1,1-Dichloroethene	47.8			50.0	95.7	70-130
Carbon disulfide	48.9			50.0	97.9	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.1			50.0	100	70-130
Acetone	50.6			50.0	101	50-150
Methylene chloride	47.2			50.0	94.5	70-130
Methyl acetate	46.9			50.0	93.8	70-130
trans-1,2-Dichloroethene	48.3			50.0	96.5	70-130
cis-1,2-Dichloroethene	45.2			50.0	90.4	70-130
Methyl tert-butyl ether	50.7			50.0	101	70-130
1,1-Dichloroethane	45.3			50.0	90.6	70-130
2-Butanone	42.2			50.0	84.4	50-150
Chloroform	46.4			50.0	92.8	70-130
1,2-Dichloroethane	48.4			50.0	96.9	70-130
1,1,1-Trichloroethane	46.2			50.0	92.3	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

LCS (B9I0901-BS4)

Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	45.7			50.0	91.4	70-130
Carbon tetrachloride	46.0			50.0	91.9	70-130
Benzene	45.4			50.0	90.7	70-130
Trichloroethene	45.8			50.0	91.7	70-130
Methylcyclohexane	45.8			50.0	91.6	70-130
1,2-Dichloropropane	46.4			50.0	92.8	70-130
Bromodichloromethane	46.2			50.0	92.3	70-130
cis-1,3-Dichloropropene	44.7			50.0	89.3	70-130
trans-1,3-Dichloropropene	47.6			50.0	95.2	70-130
1,1,2-Trichloroethane	45.6			50.0	91.1	70-130
Dibromochloromethane	45.4			50.0	90.8	70-130
Bromoform	48.6			50.0	97.3	70-130
4-Methyl-2-pentanone	46.2			50.0	92.3	70-130
Toluene	45.3			50.0	90.7	70-130
Tetrachloroethene	45.3			50.0	90.7	70-130
2-Hexanone	41.6			50.0	83.1	70-130
1,2-Dibromoethane	45.1			50.0	90.2	70-130
Chlorobenzene	45.0			50.0	90.0	70-130
Ethylbenzene	44.8			50.0	89.7	70-130
meta-/para-Xylene	88.7			100	88.7	70-130
ortho-Xylene	44.8			50.0	89.6	70-130
Styrene	44.8			50.0	89.5	70-130
Isopropylbenzene	51.5			50.0	103	70-130
1,1,2,2-Tetrachloroethane	47.1			50.0	94.2	70-130
1,3-Dichlorobenzene	45.8			50.0	91.5	70-130
1,4-Dichlorobenzene	45.7			50.0	91.4	70-130
1,2-Dichlorobenzene	45.6			50.0	91.2	70-130
1,2-Dibromo-3-chloropropane	45.9			50.0	91.8	50-150
1,2,4-Trichlorobenzene	44.6			50.0	89.1	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9I0901-MS1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	50.0		50.0	100	84-117
Surr: Toluene-d8	50.5		50.0	101	79-123
Surr: 4-Bromofluorobenzene	53.9		50.0	108	73-132

Matrix Spike (B9I0901-MS1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dichlorodifluoromethane	121,000			100,000		121	50-150
Chloromethane	104,000			100,000		104	50-150
Vinyl chloride	98,900			100,000		98.9	70-130
Bromomethane	96,400			100,000	1,080	95.4	50-150
Chloroethane	33,700			100,000		33.7 #	70-130
Trichlorofluoromethane	103,000			100,000		103	70-130
1,1-Dichloroethene	96,300			100,000		96.3	59-172
Carbon disulfide	101,000			100,000	640	101	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	99,500			100,000		99.5	70-130
Acetone	102,000			100,000	4,040	97.8	50-150
Methylene chloride	101,000			100,000		101	70-130
Methyl acetate	93,500			100,000	2,060	91.5	70-130
trans-1,2-Dichloroethene	104,000			100,000		104	70-130
cis-1,2-Dichloroethene	103,000			100,000		103	70-130
Methyl tert-butyl ether	102,000			100,000		102	70-130
1,1-Dichloroethane	95,800			100,000		95.8	70-130
2-Butanone	103,000			100,000		103	50-150
Chloroform	114,000			100,000		114	70-130
1,2-Dichloroethane	101,000			100,000		101	70-130
1,1,1-Trichloroethane	107,000			100,000		107	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9I0901-MS1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyclohexane	97,700			100,000	2,880	94.8	70-130
Carbon tetrachloride	106,000			100,000		106	70-130
Benzene	105,000			100,000		105	66-142
Trichloroethene	107,000			100,000		107	62-137
Methylcyclohexane	108,000			100,000	11,600	96.2	70-130
1,2-Dichloropropane	104,000			100,000		104	70-130
Bromodichloromethane	107,000			100,000		107	70-130
cis-1,3-Dichloropropene	107,000			100,000		107	70-130
trans-1,3-Dichloropropene	111,000			100,000		111	70-130
1,1,2-Trichloroethane	108,000			100,000		108	70-130
Dibromochloromethane	114,000			100,000		114	70-130
Bromoform	110,000			100,000		110	70-130
4-Methyl-2-pentanone	102,000			100,000	1,680	100	70-130
Toluene	126,000			100,000	18,800	107	59-139
Tetrachloroethene	109,000			100,000		109	70-130
2-Hexanone	122,000			100,000		122	70-130
1,2-Dibromoethane	111,000			100,000		111	70-130
Chlorobenzene	114,000			100,000	6,780	107	60-133
Ethylbenzene	113,000			100,000	6,600	106	70-130
meta-/para-Xylene	303,000			200,000	92,400	105	70-130
ortho-Xylene	122,000			100,000	14,800	107	70-130
Styrene	110,000			100,000		110	70-130
Isopropylbenzene	105,000			100,000	520	105	70-130
1,1,2,2-Tetrachloroethane	235,000			100,000		235 #	70-130
1,3-Dichlorobenzene	110,000			100,000		110	70-130
1,4-Dichlorobenzene	111,000			100,000		111	70-130
1,2-Dichlorobenzene	109,000			100,000		109	70-130
1,2-Dibromo-3-chloropropane	96,100			100,000		96.1	50-150
1,2,4-Trichlorobenzene	60,700			100,000		60.7 #	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9I0901-MSD1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	49.0		50.0	98.0	84-117
Surr: Toluene-d8	49.5		50.0	99.1	79-123
Surr: 4-Bromofluorobenzene	51.4		50.0	103	73-132

Matrix Spike Dup (B9I0901-MSD1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	115,000			100,000		115	50-150	5.21	30
Chloromethane	99,200			100,000		99.2	50-150	4.53	30
Vinyl chloride	95,900			100,000		95.9	70-130	3.04	30
Bromomethane	100,000			100,000	1,080	99.2	50-150	3.92	30
Chloroethane	32,500			100,000		32.5 #	70-130	3.51	30
Trichlorofluoromethane	100,000			100,000		100	70-130	2.91	30
1,1-Dichloroethene	94,700			100,000		94.7	59-172	1.65	22
Carbon disulfide	98,400			100,000	640	97.7	70-130	2.96	30
1,1,2-Trichloro-1,2,2-trifluoroethane	97,500			100,000		97.5	70-130	2.01	30
Acetone	97,200			100,000	4,040	93.1	50-150	4.70	30
Methylene chloride	95,100			100,000		95.1	70-130	5.80	30
Methyl acetate	88,500			100,000	2,060	86.5	70-130	5.51	30
trans-1,2-Dichloroethene	98,500			100,000		98.5	70-130	5.51	30
cis-1,2-Dichloroethene	99,900			100,000		99.9	70-130	3.37	30
Methyl tert-butyl ether	96,700			100,000		96.7	70-130	5.10	30
1,1-Dichloroethane	91,700			100,000		91.7	70-130	4.37	30
2-Butanone	97,900			100,000		97.9	50-150	5.33	30
Chloroform	110,000			100,000		110	70-130	4.08	30
1,2-Dichloroethane	96,700			100,000		96.7	70-130	4.65	30
1,1,1-Trichloroethane	103,000			100,000		103	70-130	3.97	30

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B9I0901 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9I0901-MSD1)

Source: 0908013-19 Prepared: 8/18/2009 Analyzed: 8/18/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyclohexane	95,300			100,000	2,880	92.5	70-130	2.42	30
Carbon tetrachloride	103,000			100,000		103	70-130	2.90	30
Benzene	101,000			100,000		101	66-142	3.74	21
Trichloroethene	103,000			100,000		103	62-137	4.11	24
Methylcyclohexane	105,000			100,000	11,600	93.9	70-130	2.19	30
1,2-Dichloropropane	98,900			100,000		98.9	70-130	4.83	30
Bromodichloromethane	103,000			100,000		103	70-130	3.39	30
cis-1,3-Dichloropropene	104,000			100,000		104	70-130	3.25	30
trans-1,3-Dichloropropene	107,000			100,000		107	70-130	3.76	30
1,1,2-Trichloroethane	102,000			100,000		102	70-130	5.61	30
Dibromochloromethane	108,000			100,000		108	70-130	6.00	30
Bromoform	106,000			100,000		106	70-130	3.86	30
4-Methyl-2-pentanone	93,800			100,000	1,680	92.1	70-130	8.32	30
Toluene	122,000			100,000	18,800	103	59-139	3.23	21
Tetrachloroethene	106,000			100,000		106	70-130	2.76	30
2-Hexanone	108,000			100,000		108	70-130	12.0	30
1,2-Dibromoethane	106,000			100,000		106	70-130	4.85	30
Chlorobenzene	110,000			100,000	6,780	103	60-133	3.71	21
Ethylbenzene	110,000			100,000	6,600	103	70-130	2.75	30
meta-/para-Xylene	293,000			200,000	92,400	100	70-130	3.37	30
ortho-Xylene	118,000			100,000	14,800	103	70-130	3.28	30
Styrene	105,000			100,000		105	70-130	4.73	30
Isopropylbenzene	102,000			100,000	520	102	70-130	2.91	30
1,1,2,2-Tetrachloroethane	174,000			100,000		174 #	70-130	29.8	30
1,3-Dichlorobenzene	104,000			100,000		104	70-130	4.80	30
1,4-Dichlorobenzene	105,000			100,000		105	70-130	6.26	30
1,2-Dichlorobenzene	102,000			100,000		102	70-130	7.23	30
1,2-Dibromo-3-chloropropane	83,700			100,000		83.7	50-150	13.8	30
1,2,4-Trichlorobenzene	48,300			100,000		48.3 #	70-130	22.7	30

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2503 **Sample Type: Non-Aqueous Liquid**

Blank (B9K2503-BLK1)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	48.1		50.0	96.2	79-123
Surr: 4-Bromofluorobenzene	46.4		50.0	92.8	73-132

Blank (B9K2503-BLK1)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0
Tetrachloroethene	U		2.0

Blank (B9K2503-BLK2)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	45.8		50.0	91.7	79-123
Surr: 4-Bromofluorobenzene	43.2		50.0	86.3	73-132

Blank (B9K2503-BLK2)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2503 **Sample Type: Non-Aqueous Liquid**

Blank (B9K2503-BLK2)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets (Continued)

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit
Tetrachloroethene	U		2.0

Blank (B9K2503-BLK3)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	42.7		50.0	85.3	79-123
Surr: 4-Bromofluorobenzene	41.3		50.0	82.6	73-132

Blank (B9K2503-BLK3)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit
Benzene	U		100
Trichloroethene	U		100
Tetrachloroethene	U		100

Blank (B9K2503-BLK4)
Prepared: 12/28/2009 Analyzed: 12/28/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	45.8		50.0	91.5	79-123

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2503 **Sample Type: Non-Aqueous Liquid**

Blank (B9K2503-BLK4)
Prepared: 12/28/2009 Analyzed: 12/28/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit
Benzene	U		100

LCS (B9K2503-BS1)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	47.4		50.0	94.7	79-123
Surr: 4-Bromofluorobenzene	48.3		50.0	96.6	73-132

LCS (B9K2503-BS1)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	49.1			50.0	98.3	70-130
Trichloroethene	49.7			50.0	99.5	70-130
Tetrachloroethene	50.2			50.0	100	70-130

LCS (B9K2503-BS2)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	45.9		50.0	91.9	79-123
Surr: 4-Bromofluorobenzene	45.3		50.0	90.7	73-132

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2503 **Sample Type: Non-Aqueous Liquid**

LCS (B9K2503-BS2)
Prepared: 11/5/2009 Analyzed: 11/5/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	45.4			50.0	90.8	70-130
Trichloroethene	45.9			50.0	91.7	70-130
Tetrachloroethene	45.3			50.0	90.7	70-130

LCS (B9K2503-BS3)
Prepared: 12/28/2009 Analyzed: 12/28/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	45.0		50.0	90.0	79-123

LCS (B9K2503-BS3)
Prepared: 12/28/2009 Analyzed: 12/28/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	2,160			2,500	86.3	70-130

Matrix Spike (B9K2503-MS1)
Source: 0908013-10 Prepared: 12/28/2009 Analyzed: 12/28/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	49.9		50.0	99.8	79-123

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TCLP Filtrate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2503 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9K2503-MS1)

Source: 0908013-10 Prepared: 12/28/2009 Analyzed: 12/28/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits
Benzene	3,490,000			500,000	3.13E6	70.1	#	76-127

Matrix Spike Dup (B9K2503-MSD1)

Source: 0908013-10 Prepared: 12/28/2009 Analyzed: 12/28/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	49.9		50.0	99.9	79-123

Matrix Spike Dup (B9K2503-MSD1)

Source: 0908013-10 Prepared: 12/28/2009 Analyzed: 12/28/2009

Targets

ANALYTE	Result ug/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit
Benzene	4,070,000	J		500,000	3.13E6	187	#	76-127	15.5	#	11

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2506 **Sample Type: Liquid**

Blank (B9K2506-BLK1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	47.5		50.0	94.9	86-115
Surr: 4-Bromofluorobenzene	45.7		50.0	91.4	76-115

Blank (B9K2506-BLK1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0
Tetrachloroethene	U		2.0

Blank (B9K2506-BLK2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	48.1		50.0	96.2	86-115
Surr: 4-Bromofluorobenzene	46.4		50.0	92.8	76-115

Blank (B9K2506-BLK2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2506 **Sample Type: Liquid**

Blank (B9K2506-BLK2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Tetrachloroethene	U		2.0

LCS (B9K2506-BS1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	45.6		50.0	91.1	86-115
Surr: 4-Bromofluorobenzene	46.2		50.0	92.5	76-115

LCS (B9K2506-BS1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	47.6			50.0	95.3	80-122
Trichloroethene	48.2			50.0	96.4	79-121
Tetrachloroethene	47.2			50.0	94.3	81-120

LCS (B9K2506-BS2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	47.4		50.0	94.7	86-115
Surr: 4-Bromofluorobenzene	48.3		50.0	96.6	76-115

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2506 **Sample Type: Liquid**

LCS (B9K2506-BS2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	49.1			50.0	98.3	80-122
Trichloroethene	49.7			50.0	99.5	79-121
Tetrachloroethene	50.2			50.0	100	81-120

Matrix Spike (B9K2506-MS1)
Source: 0908013-33 Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	43.6		50.0	87.1	86-115
Surr: 4-Bromofluorobenzene	43.0		50.0	86.1	76-115

Matrix Spike (B9K2506-MS1)
Source: 0908013-33 Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Benzene	13,900			10,000	4,390	95.1	76-127
Trichloroethene	9,610			10,000		96.1	71-120
Tetrachloroethene	9,340			10,000		93.4	70-130

Matrix Spike Dup (B9K2506-MSD1)
Source: 0908013-33 Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits

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TCLP Leachate for Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2506 **Sample Type: Liquid**

Matrix Spike Dup (B9K2506-MSD1)

Source: 0908013-33 Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates (Continued)

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: Toluene-d8	44.6		50.0	89.2	86-115
Surr: 4-Bromofluorobenzene	44.3		50.0	88.5	76-115

Matrix Spike Dup (B9K2506-MSD1)

Source: 0908013-33 Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzene	13,600			10,000	4,390	91.8	76-127	2.39	11
Trichloroethene	9,190			10,000		91.9	71-120	4.45	14
Tetrachloroethene	9,020			10,000		90.2	70-130	3.42	30

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2302 **Sample Type: Liquid**

Blank (B9K2302-BLK1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	45.7		50.0	91.4	76-115
Surr: Toluene-d8	47.5		50.0	94.9	86-115

Blank (B9K2302-BLK1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0

Blank (B9K2302-BLK2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	46.4		50.0	92.8	76-115
Surr: Toluene-d8	48.1		50.0	96.2	86-115

Blank (B9K2302-BLK2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Benzene	U		2.0
Trichloroethene	U		2.0

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
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TCLP Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2302 **Sample Type: Liquid**

LCS (B9K2302-BS1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	46.2		50.0	92.5	76-115
Surr: Toluene-d8	45.6		50.0	91.1	86-115

LCS (B9K2302-BS1)
Prepared: 11/3/2009 Analyzed: 11/3/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	47.6			50.0	95.3	80-122
Trichloroethene	48.2			50.0	96.4	79-121

LCS (B9K2302-BS2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	48.3		50.0	96.6	76-115
Surr: Toluene-d8	47.4		50.0	94.7	86-115

LCS (B9K2302-BS2)
Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Benzene	49.1			50.0	98.3	80-122
Trichloroethene	49.7			50.0	99.5	79-121

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TCLP Volatiles by EPA Method 1311/8260 - GC/MS - Quality Control

Batch: B9K2302 **Sample Type: Liquid**

Matrix Spike (B9K2302-MS1)

Source: 0908013-24 Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	42.7		50.0	85.4	76-115
Surr: Toluene-d8	43.3		50.0	86.6	86-115

Matrix Spike (B9K2302-MS1)

Source: 0908013-24 Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Benzene	5,810			5,000	1,170	92.7	76-127
Trichloroethene	4,820			5,000		96.3	71-120

Matrix Spike Dup (B9K2302-MSD1)

Source: 0908013-24 Prepared: 11/4/2009 Analyzed: 11/4/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 4-Bromofluorobenzene	42.9		50.0	85.8	76-115
Surr: Toluene-d8	44.2		50.0	88.4	86-115

Matrix Spike Dup (B9K2302-MSD1)

Source: 0908013-24 Prepared: 11/4/2009 Analyzed: 11/4/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzene	5,960			5,000	1,170	95.8	76-127	2.63	11
Trichloroethene	5,000			5,000		100	71-120	3.85	14

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Blank (B9H1201-BLK1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	68.1		75.0	90.8	41-121
Surr: Phenol-d5	68.2		75.0	91.0	43-118
Surr: 2-Chlorophenol-d4	66.6		75.0	88.8	46-123
Surr: 1,2-Dichlorobenzene-d4	40.7		50.0	81.4	35-110
Surr: Nitrobenzene-d5	49.4		50.0	98.8	44-127
Surr: 2-Fluorobiphenyl	43.9		50.0	87.8	45-115
Surr: 2,4,6-Tribromophenol	74.3		75.0	99.0	55-139
Surr: Terphenyl-d14	51.0		50.0	102	63-131

Blank (B9H1201-BLK1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Acenaphthene	U		2.0
Acenaphthylene	U		2.0
Acetophenone	U		5.0
Anthracene	U		2.0
Atrazine	U		5.0
Benzaldehyde	U		5.0
Benzoic acid	U		10.0
Benzo (a) anthracene	U		5.0
Benzo (a) pyrene	U		5.0
Benzo (b) fluoranthene	U		5.0
Benzo (g,h,i) perylene	U		5.0
Benzo (k) fluoranthene	U		5.0
Benzyl alcohol	U		5.0
1,1'-Biphenyl	U		5.0
Bis(2-chloroethoxy)methane	U		5.0
Bis(2-chloroethyl)ether	U		5.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Blank (B9H1201-BLK1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Bis(2-chloroisopropyl)ether	U		5.0
Bis(2-ethylhexyl)phthalate	U		5.0
4-Bromophenyl phenyl ether	U		5.0
Butyl benzyl phthalate	U		5.0
Carbazole	U		5.0
Caprolactam	U		5.0
4-Chloroaniline	U		5.0
2-Chloronaphthalene	U		5.0
2-Chlorophenol	U		5.0
4-Chlorophenyl phenyl ether	U		5.0
4-Chloro-3-methylphenol	U		5.0
Chrysene	U		5.0
Dibenzofuran	U		5.0
Dibenz (a,h) anthracene	U		5.0
1,2-Dichlorobenzene	U		5.0
1,3-Dichlorobenzene	U		5.0
1,4-Dichlorobenzene	U		5.0
3,3′-Dichlorobenzidine	U		5.0
2,4-Dichlorophenol	U		5.0
Diethyl phthalate	U		5.0
2,4-Dimethylphenol	U		5.0
Dimethyl phthalate	U		5.0
2,4-Dinitrophenol	U		20.0
2,4-Dinitrotoluene	U		5.0
2,6-Dinitrotoluene	U		5.0
4,6-Dinitro-2-methylphenol	U		20.0
Di-n-butyl phthalate	U		5.0
Di-n-octyl phthalate	U		5.0
Fluoranthene	U		2.0
Fluorene	U		2.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Blank (B9H1201-BLK1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Hexachlorobenzene	U		5.0
Hexachlorobutadiene	U		5.0
Hexachlorocyclopentadiene	U		5.0
Hexachloroethane	U		5.0
Indeno (1,2,3-cd) pyrene	U		5.0
Isophorone	U		5.0
2-Methylnaphthalene	U		2.0
2-Methylphenol	U		5.0
3 &/or 4-Methylphenol	U		5.0
Naphthalene	U		2.0
2-Nitroaniline	U		8.0
3-Nitroaniline	U		8.0
4-Nitroaniline	U		8.0
Nitrobenzene	U		5.0
2-Nitrophenol	U		5.0
4-Nitrophenol	U		13.0
N-Nitrosodiphenylamine	U		5.0
N-Nitrosodi-n-propylamine	U		5.0
Pentachlorophenol	U		5.0
Phenanthrene	U		2.0
Phenol	U		5.0
Pyrene	U		2.0
1,2,4-Trichlorobenzene	U		5.0
2,4,5-Trichlorophenol	U		5.0
2,4,6-Trichlorophenol	U		5.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

LCS (B9H1201-BS1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	67.4		75.0	89.9	41-121
Surr: Phenol-d5	64.6		75.0	86.2	43-118
Surr: 2-Chlorophenol-d4	65.6		75.0	87.4	46-123
Surr: 1,2-Dichlorobenzene-d4	42.1		50.0	84.1	35-110
Surr: Nitrobenzene-d5	49.0		50.0	97.9	44-127
Surr: 2-Fluorobiphenyl	45.8		50.0	91.6	45-115
Surr: 2,4,6-Tribromophenol	73.7		75.0	98.3	55-139
Surr: Terphenyl-d14	51.6		50.0	103	63-131

LCS (B9H1201-BS1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	43.9		2.0	50.0	87.9	45-117
Acenaphthylene	43.6		2.0	50.0	87.2	61-117
Acetophenone	45.4		5.0	50.0	90.7	62-123
Anthracene	45.7		2.0	50.0	91.5	70-120
Atrazine	50.6		5.0	50.0	101	73-131
Benzaldehyde	46.8		5.0	50.0	93.6	46-134
Benzoic acid	43.2		10.0	50.0	86.4	53-141
Benzo (a) anthracene	48.4		5.0	50.0	96.9	72-121
Benzo (a) pyrene	49.7		5.0	50.0	99.5	67-125
Benzo (b) fluoranthene	45.8		5.0	50.0	91.7	61-137
Benzo (g,h,i) perylene	53.5		5.0	50.0	107	62-130
Benzo (k) fluoranthene	51.3		5.0	50.0	103	63-133
Benzyl alcohol	47.2		5.0	50.0	94.3	60-121
1,1'-Biphenyl	42.7		5.0	50.0	85.4	61-123
Bis(2-chloroethoxy)methane	44.8		5.0	50.0	89.6	58-119
Bis(2-chloroethyl)ether	46.2		5.0	50.0	92.4	52-119

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

LCS (B9H1201-BS1)
Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	46.6		5.0	50.0	93.3	70-130
Bis(2-ethylhexyl)phthalate	50.4		5.0	50.0	101	52-151
4-Bromophenyl phenyl ether	45.4		5.0	50.0	90.8	66-124
Butyl benzyl phthalate	49.8		5.0	50.0	99.5	57-144
Carbazole	48.2		5.0	50.0	96.4	73-130
Caprolactam	40.5		5.0	50.0	81.0	55-132
4-Chloroaniline	37.0		5.0	50.0	73.9	46-115
2-Chloronaphthalene	41.9		5.0	50.0	83.9	58-112
2-Chlorophenol	43.8		5.0	50.0	87.5	38-122
4-Chlorophenyl phenyl ether	43.7		5.0	50.0	87.4	63-123
4-Chloro-3-methylphenol	46.0		5.0	50.0	92.1	42-126
Chrysene	47.7		5.0	50.0	95.4	72-119
Dibenzofuran	44.4		5.0	50.0	88.8	68-115
Dibenz (a,h) anthracene	52.7		5.0	50.0	105	63-136
1,2-Dichlorobenzene	36.8		5.0	50.0	73.6	39-90
1,3-Dichlorobenzene	34.7		5.0	50.0	69.4	27-89
1,4-Dichlorobenzene	34.0		5.0	50.0	68.0	28-92
3,3′-Dichlorobenzidine	45.5		5.0	50.0	91.1	30-146
2,4-Dichlorophenol	45.4		5.0	50.0	90.7	59-127
Diethyl phthalate	46.7		5.0	50.0	93.4	65-127
2,4-Dimethylphenol	42.1		5.0	50.0	84.2	70-130
Dimethyl phthalate	45.5		5.0	50.0	91.1	65-123
2,4-Dinitrophenol	47.4		20.0	50.0	94.8	39-154
2,4-Dinitrotoluene	48.9		5.0	50.0	97.9	50-125
2,6-Dinitrotoluene	47.2		5.0	50.0	94.4	59-136
4,6-Dinitro-2-methylphenol	50.7		20.0	50.0	101	43-153
Di-n-butyl phthalate	48.8		5.0	50.0	97.7	59-142
Di-n-octyl phthalate	52.3		5.0	50.0	105	46-152
Fluoranthene	47.5		2.0	50.0	95.0	72-124
Fluorene	43.6		2.0	50.0	87.3	66-120

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

LCS (B9H1201-BS1)

Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	45.6		5.0	50.0	91.2	69-119
Hexachlorobutadiene	39.2		5.0	50.0	78.4	21-106
Hexachlorocyclopentadiene	44.5		5.0	50.0	88.9	50-150
Hexachloroethane	32.0		5.0	50.0	64.0	10-80
Indeno (1,2,3-cd) pyrene	53.0		5.0	50.0	106	63-133
Isophorone	45.5		5.0	50.0	91.1	58-123
2-Methylnaphthalene	44.1		2.0	50.0	88.1	53-110
2-Methylphenol	44.6		5.0	50.0	89.3	58-114
3 &/or 4-Methylphenol	41.6		5.0	50.0	83.1	58-116
Naphthalene	42.9		2.0	50.0	85.8	57-106
2-Nitroaniline	47.5		8.0	50.0	94.9	56-137
3-Nitroaniline	47.6		8.0	50.0	95.3	57-130
4-Nitroaniline	54.2		8.0	50.0	108	56-133
Nitrobenzene	45.9		5.0	50.0	91.8	58-123
2-Nitrophenol	45.3		5.0	50.0	90.6	50-145
4-Nitrophenol	50.2		13.0	50.0	100	42-141
N-Nitrosodiphenylamine	44.9		5.0	50.0	89.8	71-120
N-Nitrosodi-n-propylamine	47.6		5.0	50.0	95.3	40-120
Pentachlorophenol	52.6		5.0	50.0	105	39-139
Phenanthrene	45.1		2.0	50.0	90.2	73-118
Phenol	42.6		5.0	50.0	85.2	37-118
Pyrene	47.7		2.0	50.0	95.5	59-120
1,2,4-Trichlorobenzene	41.1		5.0	50.0	82.2	32-100
2,4,5-Trichlorophenol	44.8		5.0	50.0	89.6	60-134
2,4,6-Trichlorophenol	45.0		5.0	50.0	90.0	58-135

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike (B9H1201-MS1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	52,100		75,000	69.4	41-121
Surr: Phenol-d5	59,600		75,000	79.4	43-118
Surr: 2-Chlorophenol-d4	54,000		75,000	71.9	46-123
Surr: 1,2-Dichlorobenzene-d4	41,400		50,000	82.7	35-110
Surr: Nitrobenzene-d5	32,000		50,000	63.9	44-127
Surr: 2-Fluorobiphenyl	44,900		50,000	89.9	45-115
Surr: 2,4,6-Tribromophenol	92,200		75,000	123	55-139
Surr: Terphenyl-d14	53,400		50,000	107	63-131

Matrix Spike (B9H1201-MS1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Acenaphthene	45,500		2,000	50,000	4,960	81.1	32-122
Acenaphthylene	41,400		2,000	50,000		82.9	61-117
Acetophenone	63,400		50,000	50,000		127 #	62-123
Anthracene	44,600		2,000	50,000	1,350	86.4	70-120
Atrazine	36,100		5,000	50,000		72.2 #	73-131
Benzaldehyde	94,100		5,000	50,000		188 #	46-134
Benzoic acid	58,900		10,000	50,000	16,500	84.8	53-141
Benzo (a) anthracene	49,500		5,000	50,000	940	97.1	72-121
Benzo (a) pyrene	47,900		5,000	50,000	420	95.0	67-125
Benzo (b) fluoranthene	49,100		5,000	50,000		98.2	61-137
Benzo (g,h,i) perylene	55,400		5,000	50,000		111	62-130
Benzo (k) fluoranthene	38,500		5,000	50,000		77.0	63-133
Benzyl alcohol	35,900		5,000	50,000		71.8	60-121
1,1'-Biphenyl	45,400		5,000	50,000	8,970	72.8	61-123
Bis(2-chloroethoxy)methane	30,600		5,000	50,000		61.1	58-119
Bis(2-chloroethyl)ether	41,500		5,000	50,000		83.0	52-119

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike (B9H1201-MS1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	10,000		5,000	50,000		20.0 #	70-130
Bis(2-ethylhexyl)phthalate	49,400		5,000	50,000	15,700	67.4	52-151
4-Bromophenyl phenyl ether	48,800		5,000	50,000		97.6	66-124
Butyl benzyl phthalate	40,000		5,000	50,000		80.1	57-144
Carbazole	44,800		5,000	50,000		89.6	73-130
Caprolactam	76,600		5,000	50,000		153 #	55-132
4-Chloroaniline	36,200		5,000	50,000		72.3	46-115
2-Chloronaphthalene	36,200		5,000	50,000		72.3	58-112
2-Chlorophenol	29,600		5,000	50,000		59.3	29-119
4-Chlorophenyl phenyl ether	43,400		5,000	50,000		86.8	63-123
4-Chloro-3-methylphenol	87,600		50,000	50,000	59,500	56.2	34-133
Chrysene	44,000		5,000	50,000	1,100	85.8	72-119
Dibenzofuran	41,800		5,000	50,000		83.7	68-115
Dibenz (a,h) anthracene	56,200		5,000	50,000		112	63-136
1,2-Dichlorobenzene	34,300		5,000	50,000		68.7	39-90
1,3-Dichlorobenzene	35,500		5,000	50,000		71.0	27-89
1,4-Dichlorobenzene	41,700		5,000	50,000		83.4	23-98
3,3′-Dichlorobenzidine	36,500		5,000	50,000		73.0	30-146
2,4-Dichlorophenol	68,200		5,000	50,000		136 #	59-127
Diethyl phthalate	40,800		5,000	50,000		81.6	65-127
2,4-Dimethylphenol	35,400		5,000	50,000		70.9	70-130
Dimethyl phthalate	41,800		5,000	50,000		83.7	65-123
2,4-Dinitrophenol	32,100		20,000	50,000		64.2	39-154
2,4-Dinitrotoluene	46,900		5,000	50,000		93.8	50-125
2,6-Dinitrotoluene	43,000		5,000	50,000		86.1	59-136
4,6-Dinitro-2-methylphenol	39,400		20,000	50,000		78.8	43-153
Di-n-butyl phthalate	42,200		5,000	50,000	2,510	79.3	59-142
Di-n-octyl phthalate	43,400		5,000	50,000		86.7	46-152
Fluoranthene	42,800		2,000	50,000	830	83.9	72-124
Fluorene	47,200		2,000	50,000	4,510	85.4	66-120

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike (B9H1201-MS1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits
Hexachlorobenzene	49,800		5,000	50,000		99.6		69-119
Hexachlorobutadiene	55,800		5,000	50,000		112	#	21-106
Hexachlorocyclopentadiene	26,000		5,000	50,000		52.1		50-150
Hexachloroethane	439,000		50,000	50,000		879	#	10-80
Indeno (1,2,3-cd) pyrene	56,000		5,000	50,000		112		63-133
Isophorone	33,700		5,000	50,000		67.3		58-123
2-Methylnaphthalene	135,000		20,000	50,000	91,000	88.4		53-110
2-Methylphenol	22,700		5,000	50,000		45.5	#	58-114
3 &/or 4-Methylphenol	42,100		5,000	50,000	3,150	77.8		58-116
Naphthalene	828,000		20,000	50,000	843,000	NR	#	57-106
2-Nitroaniline	43,000		8,000	50,000		85.9		56-137
3-Nitroaniline	37,300		8,000	50,000		74.6		57-130
4-Nitroaniline	45,000		8,000	50,000		89.9		56-133
Nitrobenzene	45,300		5,000	50,000		90.6		58-123
2-Nitrophenol	49,500		5,000	50,000		99.1		50-145
4-Nitrophenol	36,100		13,000	50,000		72.3		31-148
N-Nitrosodiphenylamine	49,300		5,000	50,000		98.7		71-120
N-Nitrosodi-n-propylamine	33,600		5,000	50,000		67.1		34-119
Pentachlorophenol	56,100		5,000	50,000		112		44-144
Phenanthrene	57,100		2,000	50,000	12,400	89.4		73-118
Phenol	114,000		50,000	50,000	80,900	67.1		19-122
Pyrene	48,200		2,000	50,000	3,600	89.1		31-128
1,2,4-Trichlorobenzene	66,800		5,000	50,000		134	#	25-109
2,4,5-Trichlorophenol	36,400		5,000	50,000		72.9		60-134
2,4,6-Trichlorophenol	55,200		5,000	50,000	1,920	106		58-135

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike Dup (B9H1201-MSD1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	49,700		75,000	66.2	41-121
Surr: Phenol-d5	49,200		75,000	65.7	43-118
Surr: 2-Chlorophenol-d4	49,100		75,000	65.5	46-123
Surr: 1,2-Dichlorobenzene-d4	39,700		50,000	79.3	35-110
Surr: Nitrobenzene-d5	32,200		50,000	64.3	44-127
Surr: 2-Fluorobiphenyl	41,900		50,000	83.9	45-115
Surr: 2,4,6-Tribromophenol	86,300		75,000	115	55-139
Surr: Terphenyl-d14	51,200		50,000	102	63-131

Matrix Spike Dup (B9H1201-MSD1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthene	44,100		2,000	50,000	4,960	78.2	32-122	3.19	31
Acenaphthylene	40,500		2,000	50,000		81.0	61-117	2.27	30
Acetophenone	50,700		50,000	50,000		101	62-123	22.3	30
Anthracene	41,800		2,000	50,000	1,350	80.9	70-120	6.37	30
Atrazine	34,500		5,000	50,000		69.0 #	73-131	4.59	30
Benzaldehyde	83,100		5,000	50,000		166 #	46-134	12.3	30
Benzoic acid	61,500		10,000	50,000	16,500	90.0	53-141	4.28	30
Benzo (a) anthracene	47,600		5,000	50,000	940	93.3	72-121	3.85	30
Benzo (a) pyrene	47,000		5,000	50,000	420	93.2	67-125	1.98	30
Benzo (b) fluoranthene	47,400		5,000	50,000		94.8	61-137	3.52	30
Benzo (g,h,i) perylene	51,200		5,000	50,000		102	62-130	7.78	30
Benzo (k) fluoranthene	38,800		5,000	50,000		77.7	63-133	0.91	30
Benzyl alcohol	32,100		5,000	50,000		64.2	60-121	11.2	30
1,1'-Biphenyl	44,200		5,000	50,000	8,970	70.4	61-123	2.68	30
Bis(2-chloroethoxy)methane	30,800		5,000	50,000		61.5	58-119	0.69	30
Bis(2-chloroethyl)ether	39,900		5,000	50,000		79.8	52-119	3.91	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike Dup (B9H1201-MSD1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bis(2-chloroisopropyl)ether	10,300		5,000	50,000		20.7 #	70-130	3.05	30
Bis(2-ethylhexyl)phthalate	50,400		5,000	50,000	15,700	69.3	52-151	1.90	30
4-Bromophenyl phenyl ether	46,700		5,000	50,000		93.3	66-124	4.44	30
Butyl benzyl phthalate	40,600		5,000	50,000		81.2	57-144	1.39	30
Carbazole	42,900		5,000	50,000		85.8	73-130	4.31	30
Caprolactam	65,400		5,000	50,000		131	55-132	15.8	30
4-Chloroaniline	27,800		5,000	50,000		55.6	46-115	26.2	30
2-Chloronaphthalene	35,700		5,000	50,000		71.3	58-112	1.42	30
2-Chlorophenol	28,300		5,000	50,000		56.5	29-119	4.77	26
4-Chlorophenyl phenyl ether	42,600		5,000	50,000		85.1	63-123	1.95	30
4-Chloro-3-methylphenol	83,500		50,000	50,000	59,500	48.0	34-133	4.79	27
Chrysene	42,900		5,000	50,000	1,100	83.5	72-119	2.58	30
Dibenzofuran	41,600		5,000	50,000		83.1	68-115	0.65	30
Dibenz (a,h) anthracene	52,000		5,000	50,000		104	63-136	7.78	30
1,2-Dichlorobenzene	33,800		5,000	50,000		67.6	39-90	1.53	30
1,3-Dichlorobenzene	34,300		5,000	50,000		68.7	27-89	3.38	30
1,4-Dichlorobenzene	41,300		5,000	50,000		82.5	23-98	1.08	37
3,3′-Dichlorobenzidine	33,500		5,000	50,000		67.0	30-146	8.57	30
2,4-Dichlorophenol	66,200		5,000	50,000		132 #	59-127	2.96	30
Diethyl phthalate	39,900		5,000	50,000		79.9	65-127	2.13	30
2,4-Dimethylphenol	38,700		5,000	50,000		77.4	70-130	8.85	30
Dimethyl phthalate	40,400		5,000	50,000		80.8	65-123	3.53	30
2,4-Dinitrophenol	29,400		20,000	50,000		58.8	39-154	8.74	30
2,4-Dinitrotoluene	45,400		5,000	50,000		90.8	50-125	3.19	25
2,6-Dinitrotoluene	42,300		5,000	50,000		84.5	59-136	1.81	30
4,6-Dinitro-2-methylphenol	37,600		20,000	50,000		75.3	43-153	4.59	30
Di-n-butyl phthalate	41,700		5,000	50,000	2,510	78.4	59-142	1.10	30
Di-n-octyl phthalate	42,400		5,000	50,000		84.9	46-152	2.17	30
Fluoranthene	40,500		2,000	50,000	830	79.4	72-124	5.40	30
Fluorene	45,600		2,000	50,000	4,510	82.1	66-120	3.51	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1201 **Sample Type: Liquid**

Matrix Spike Dup (B9H1201-MSD1)

Source: 0908013-13 Prepared: 8/12/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobenzene	47,300		5,000	50,000		94.6	69-119	5.15	30
Hexachlorobutadiene	55,400		5,000	50,000		111	# 21-106	0.77	30
Hexachlorocyclopentadiene	25,200		5,000	50,000		50.3	50-150	3.44	30
Hexachloroethane	422,000		50,000	50,000		844	# 10-80	3.97	30
Indeno (1,2,3-cd) pyrene	52,300		5,000	50,000		105	63-133	6.85	30
Isophorone	36,800		5,000	50,000		73.6	58-123	8.88	30
2-Methylnaphthalene	130,000		20,000	50,000	91,000	79.0	53-110	3.54	30
2-Methylphenol	20,500		5,000	50,000		41.0	# 58-114	10.4	30
3 &/or 4-Methylphenol	38,900		5,000	50,000	3,150	71.6	58-116	7.73	30
Naphthalene	815,000		20,000	50,000	843,000	NR	# 57-106	1.51	30
2-Nitroaniline	41,200		8,000	50,000		82.3	56-137	4.26	30
3-Nitroaniline	34,700		8,000	50,000		69.4	57-130	7.28	30
4-Nitroaniline	39,100		8,000	50,000		78.3	56-133	13.9	30
Nitrobenzene	45,300		5,000	50,000		90.6	58-123	0.02	30
2-Nitrophenol	48,800		5,000	50,000		97.7	50-145	1.42	30
4-Nitrophenol	34,800		13,000	50,000		69.6	31-148	3.72	34
N-Nitrosodiphenylamine	46,100		5,000	50,000		92.2	71-120	6.75	30
N-Nitrosodi-n-propylamine	37,200		5,000	50,000		74.3	34-119	10.2	30
Pentachlorophenol	51,800		5,000	50,000		104	44-144	7.97	21
Phenanthrene	55,000		2,000	50,000	12,400	85.1	73-118	3.82	30
Phenol	105,000		50,000	50,000	80,900	48.9	19-122	8.28	34
Pyrene	48,800		2,000	50,000	3,600	90.3	31-128	1.26	23
1,2,4-Trichlorobenzene	66,300		5,000	50,000		133	# 25-109	0.77	31
2,4,5-Trichlorophenol	35,700		5,000	50,000		71.4	60-134	2.11	30
2,4,6-Trichlorophenol	53,800		5,000	50,000	1,920	104	58-135	2.39	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

Blank (B9H1205-BLK1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	59.1		75.0	78.8	41-121
Surr: Phenol-d5	60.2		75.0	80.3	43-118
Surr: 2-Chlorophenol-d4	60.2		75.0	80.2	46-123
Surr: 1,2-Dichlorobenzene-d4	33.8		50.0	67.7	35-110
Surr: Nitrobenzene-d5	41.0		50.0	82.0	44-127
Surr: 2-Fluorobiphenyl	38.3		50.0	76.5	45-115
Surr: 2,4,6-Tribromophenol	66.0		75.0	88.0	55-139
Surr: Terphenyl-d14	63.0		50.0	126	63-131

Blank (B9H1205-BLK1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Acenaphthene	U		2.0
Acenaphthylene	U		2.0
Acetophenone	U		5.0
Anthracene	U		2.0
Atrazine	U		5.0
Benzaldehyde	U		5.0
Benzoic acid	U		10.0
Benzo (a) anthracene	U		5.0
Benzo (a) pyrene	U		5.0
Benzo (b) fluoranthene	U		5.0
Benzo (g,h,i) perylene	U		5.0
Benzo (k) fluoranthene	U		5.0
Benzyl alcohol	U		5.0
1,1'-Biphenyl	U		5.0
Bis(2-chloroethoxy)methane	U		5.0
Bis(2-chloroethyl)ether	U		5.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

Blank (B9H1205-BLK1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Bis(2-chloroisopropyl)ether	U		5.0
Bis(2-ethylhexyl)phthalate	U		5.0
4-Bromophenyl phenyl ether	U		5.0
Butyl benzyl phthalate	U		5.0
Carbazole	U		5.0
Caprolactam	U		5.0
4-Chloroaniline	U		5.0
2-Chloronaphthalene	U		5.0
2-Chlorophenol	U		5.0
4-Chlorophenyl phenyl ether	U		5.0
4-Chloro-3-methylphenol	U		5.0
Chrysene	U		5.0
Dibenzofuran	U		5.0
Dibenz (a,h) anthracene	U		5.0
1,2-Dichlorobenzene	U		5.0
1,3-Dichlorobenzene	U		5.0
1,4-Dichlorobenzene	U		5.0
3,3′-Dichlorobenzidine	U		5.0
2,4-Dichlorophenol	U		5.0
Diethyl phthalate	U		5.0
2,4-Dimethylphenol	U		5.0
Dimethyl phthalate	U		5.0
2,4-Dinitrophenol	U		20.0
2,4-Dinitrotoluene	U		5.0
2,6-Dinitrotoluene	U		5.0
4,6-Dinitro-2-methylphenol	U		20.0
Di-n-butyl phthalate	U		5.0
Di-n-octyl phthalate	U		5.0
Fluoranthene	U		2.0
Fluorene	U		2.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

Blank (B9H1205-BLK1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Hexachlorobenzene	U		5.0
Hexachlorobutadiene	U		5.0
Hexachlorocyclopentadiene	U		5.0
Hexachloroethane	U		5.0
Indeno (1,2,3-cd) pyrene	U		5.0
Isophorone	U		5.0
2-Methylnaphthalene	U		2.0
2-Methylphenol	U		5.0
3 &/or 4-Methylphenol	U		5.0
Naphthalene	U		2.0
2-Nitroaniline	U		8.0
3-Nitroaniline	U		8.0
4-Nitroaniline	U		8.0
Nitrobenzene	U		5.0
2-Nitrophenol	U		5.0
4-Nitrophenol	U		13.0
N-Nitrosodiphenylamine	U		5.0
N-Nitrosodi-n-propylamine	U		5.0
Pentachlorophenol	U		5.0
Phenanthrene	U		2.0
Phenol	U		5.0
Pyrene	U		2.0
1,2,4-Trichlorobenzene	U		5.0
2,4,5-Trichlorophenol	U		5.0
2,4,6-Trichlorophenol	U		5.0

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

LCS (B9H1205-BS1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	68.6		75.0	91.5	41-121
Surr: Phenol-d5	66.9		75.0	89.2	43-118
Surr: 2-Chlorophenol-d4	67.3		75.0	89.7	46-123
Surr: 1,2-Dichlorobenzene-d4	41.3		50.0	82.5	35-110
Surr: Nitrobenzene-d5	46.8		50.0	93.6	44-127
Surr: 2-Fluorobiphenyl	45.7		50.0	91.3	45-115
Surr: 2,4,6-Tribromophenol	79.7		75.0	106	55-139
Surr: Terphenyl-d14	62.0		50.0	124	63-131

LCS (B9H1205-BS1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	41.8		2.0	50.0	83.6	45-117
Acenaphthylene	43.5		2.0	50.0	87.0	61-117
Acetophenone	47.1		5.0	50.0	94.1	62-123
Anthracene	45.8		2.0	50.0	91.6	70-120
Atrazine	42.1		5.0	50.0	84.3	73-131
Benzaldehyde	39.8		5.0	50.0	79.5	46-134
Benzoic acid	26.6		10.0	50.0	53.2	53-141
Benzo (a) anthracene	50.2		5.0	50.0	100	72-121
Benzo (a) pyrene	51.2		5.0	50.0	102	67-125
Benzo (b) fluoranthene	52.3		5.0	50.0	105	61-137
Benzo (g,h,i) perylene	39.5		5.0	50.0	79.0	62-130
Benzo (k) fluoranthene	49.3		5.0	50.0	98.7	63-133
Benzyl alcohol	23.1		5.0	50.0	46.2 #	60-121
1,1'-Biphenyl	43.8		5.0	50.0	87.5	61-123
Bis(2-chloroethoxy)methane	43.2		5.0	50.0	86.3	58-119
Bis(2-chloroethyl)ether	41.2		5.0	50.0	82.4	52-119

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

LCS (B9H1205-BS1)
Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	35.7		5.0	50.0	71.4	70-130
Bis(2-ethylhexyl)phthalate	54.8		5.0	50.0	110	52-151
4-Bromophenyl phenyl ether	47.8		5.0	50.0	95.5	66-124
Butyl benzyl phthalate	56.1		5.0	50.0	112	57-144
Carbazole	44.3		5.0	50.0	88.7	73-130
Caprolactam	49.9		5.0	50.0	99.7	55-132
4-Chloroaniline	40.1		5.0	50.0	80.2	46-115
2-Chloronaphthalene	42.8		5.0	50.0	85.6	58-112
2-Chlorophenol	44.5		5.0	50.0	89.0	38-122
4-Chlorophenyl phenyl ether	44.1		5.0	50.0	88.2	63-123
4-Chloro-3-methylphenol	44.6		5.0	50.0	89.3	42-126
Chrysene	47.8		5.0	50.0	95.5	72-119
Dibenzofuran	43.4		5.0	50.0	86.9	68-115
Dibenz (a,h) anthracene	44.6		5.0	50.0	89.2	63-136
1,2-Dichlorobenzene	36.8		5.0	50.0	73.6	39-90
1,3-Dichlorobenzene	34.0		5.0	50.0	68.1	27-89
1,4-Dichlorobenzene	34.6		5.0	50.0	69.3	28-92
3,3′-Dichlorobenzidine	34.4		5.0	50.0	68.9	30-146
2,4-Dichlorophenol	47.3		5.0	50.0	94.5	59-127
Diethyl phthalate	45.6		5.0	50.0	91.1	65-127
2,4-Dimethylphenol	43.8		5.0	50.0	87.7	70-130
Dimethyl phthalate	44.6		5.0	50.0	89.3	65-123
2,4-Dinitrophenol	16.3		20.0	50.0	32.6	# 39-154
2,4-Dinitrotoluene	46.1		5.0	50.0	92.3	50-125
2,6-Dinitrotoluene	45.8		5.0	50.0	91.7	59-136
4,6-Dinitro-2-methylphenol	24.1		20.0	50.0	48.2	43-153
Di-n-butyl phthalate	48.2		5.0	50.0	96.4	59-142
Di-n-octyl phthalate	54.0		5.0	50.0	108	46-152
Fluoranthene	44.3		2.0	50.0	88.6	72-124
Fluorene	44.1		2.0	50.0	88.2	66-120

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1205 **Sample Type: Liquid**

LCS (B9H1205-BS1)

Prepared: 8/13/2009 Analyzed: 8/17/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	48.2		5.0	50.0	96.3	69-119
Hexachlorobutadiene	41.8		5.0	50.0	83.7	21-106
Hexachlorocyclopentadiene	13.4		5.0	50.0	26.7 #	50-150
Hexachloroethane	30.2		5.0	50.0	60.4	10-80
Indeno (1,2,3-cd) pyrene	43.9		5.0	50.0	87.8	63-133
Isophorone	42.9		5.0	50.0	85.8	58-123
2-Methylnaphthalene	45.2		2.0	50.0	90.4	53-110
2-Methylphenol	43.6		5.0	50.0	87.3	58-114
3 &/or 4-Methylphenol	44.6		5.0	50.0	89.1	58-116
Naphthalene	43.5		2.0	50.0	87.0	57-106
2-Nitroaniline	44.2		8.0	50.0	88.3	56-137
3-Nitroaniline	35.4		8.0	50.0	70.8	57-130
4-Nitroaniline	40.2		8.0	50.0	80.4	56-133
Nitrobenzene	42.9		5.0	50.0	85.8	58-123
2-Nitrophenol	46.4		5.0	50.0	92.8	50-145
4-Nitrophenol	37.3		13.0	50.0	74.7	42-141
N-Nitrosodiphenylamine	45.8		5.0	50.0	91.6	71-120
N-Nitrosodi-n-propylamine	43.5		5.0	50.0	87.0	40-120
Pentachlorophenol	40.6		5.0	50.0	81.2	39-139
Phenanthrene	46.6		2.0	50.0	93.2	73-118
Phenol	43.9		5.0	50.0	87.8	37-118
Pyrene	56.3		2.0	50.0	113	59-120
1,2,4-Trichlorobenzene	42.0		5.0	50.0	84.0	32-100
2,4,5-Trichlorophenol	43.4		5.0	50.0	86.8	60-134
2,4,6-Trichlorophenol	45.3		5.0	50.0	90.5	58-135

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Blank (B9H1701-BLK1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,590,000		1.46E6	109	10-153
Surr: Phenol-d5	1,610,000		1.46E6	111	16-138
Surr: 2-Chlorophenol-d4	1,510,000		1.46E6	104	16-135
Surr: 1,2-Dichlorobenzene-d4	1,040,000		971,000	107	28-127
Surr: Nitrobenzene-d5	1,050,000		971,000	108	20-142
Surr: 2-Fluorobiphenyl	1,080,000		971,000	111	40-129
Surr: 2,4,6-Tribromophenol	1,580,000		1.46E6	108	10-151
Surr: Terphenyl-d14	995,000		971,000	102	29-129

Blank (B9H1701-BLK1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Acenaphthene	U		38,800
Acenaphthylene	U		38,800
Acetophenone	U		97,100
Anthracene	U		38,800
Atrazine	U		97,100
Benzaldehyde	U		97,100
Benzoic acid	U		194,000
Benzo (a) anthracene	U		97,100
Benzo (a) pyrene	U		97,100
Benzo (b) fluoranthene	U		97,100
Benzo (g,h,i) perylene	U		97,100
Benzo (k) fluoranthene	U		97,100
Benzyl alcohol	U		97,100
1,1'-Biphenyl	U		97,100
Bis(2-chloroethoxy)methane	U		97,100
Bis(2-chloroethyl)ether	U		97,100

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Blank (B9H1701-BLK1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Bis(2-chloroisopropyl)ether	U		97,100
Bis(2-ethylhexyl)phthalate	U		97,100
4-Bromophenyl phenyl ether	U		97,100
Butyl benzyl phthalate	U		97,100
Carbazole	U		97,100
Caprolactam	U		97,100
4-Chloroaniline	U		97,100
2-Chloronaphthalene	U		97,100
2-Chlorophenol	U		97,100
4-Chlorophenyl phenyl ether	U		97,100
4-Chloro-3-methylphenol	U		97,100
Chrysene	U		97,100
Dibenzofuran	U		97,100
Dibenz (a,h) anthracene	U		97,100
1,2-Dichlorobenzene	U		97,100
1,3-Dichlorobenzene	U		97,100
1,4-Dichlorobenzene	U		97,100
3,3′-Dichlorobenzidine	U		97,100
2,4-Dichlorophenol	U		97,100
Diethyl phthalate	U		97,100
2,4-Dimethylphenol	U		97,100
Dimethyl phthalate	U		97,100
2,4-Dinitrophenol	U		388,000
2,4-Dinitrotoluene	U		97,100
2,6-Dinitrotoluene	U		97,100
4,6-Dinitro-2-methylphenol	U		388,000
Di-n-butyl phthalate	U		97,100
Di-n-octyl phthalate	U		97,100
Fluoranthene	U		38,800
Fluorene	U		38,800

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Blank (B9H1701-BLK1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Hexachlorobenzene	U		97,100
Hexachlorobutadiene	U		97,100
Hexachlorocyclopentadiene	U		97,100
Hexachloroethane	U		97,100
Indeno (1,2,3-cd) pyrene	U		97,100
Isophorone	U		97,100
2-Methylnaphthalene	U		38,800
2-Methylphenol	U		97,100
3 &/or 4-Methylphenol	U		97,100
Naphthalene	U		38,800
2-Nitroaniline	U		155,000
3-Nitroaniline	U		155,000
4-Nitroaniline	U		155,000
Nitrobenzene	U		97,100
2-Nitrophenol	U		97,100
4-Nitrophenol	U		252,000
N-Nitrosodiphenylamine	U		97,100
N-Nitrosodi-n-propylamine	U		97,100
Pentachlorophenol	U		97,100
Phenanthrene	U		38,800
Phenol	U		97,100
Pyrene	U		38,800
1,2,4-Trichlorobenzene	U		97,100
2,4,5-Trichlorophenol	U		97,100
2,4,6-Trichlorophenol	U		97,100

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

LCS (B9H1701-BS1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	769,000		743,000	104	10-153
Surr: Phenol-d5	783,000		743,000	106	16-138
Surr: 2-Chlorophenol-d4	740,000		743,000	99.7	16-135
Surr: 1,2-Dichlorobenzene-d4	514,000		495,000	104	28-127
Surr: Nitrobenzene-d5	510,000		495,000	103	20-142
Surr: 2-Fluorobiphenyl	532,000		495,000	107	40-129
Surr: 2,4,6-Tribromophenol	798,000		743,000	108	10-151
Surr: Terphenyl-d14	456,000		495,000	92.0	29-129

LCS (B9H1701-BS1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	413,000		19,800	396,000	104	70-130
Acenaphthylene	421,000		19,800	396,000	106	70-130
Acetophenone	420,000		49,500	396,000	106	70-130
Anthracene	426,000		19,800	396,000	108	70-130
Atrazine	418,000		49,500	396,000	106	70-130
Benzaldehyde	294,000		49,500	396,000	74.3	70-130
Benzoic acid	393,000		99,000	396,000	99.3	70-130
Benzo (a) anthracene	428,000		49,500	396,000	108	70-130
Benzo (a) pyrene	441,000		49,500	396,000	111	70-130
Benzo (b) fluoranthene	411,000		49,500	396,000	104	70-130
Benzo (g,h,i) perylene	362,000		49,500	396,000	91.5	70-130
Benzo (k) fluoranthene	442,000		49,500	396,000	112	70-130
Benzyl alcohol	432,000		49,500	396,000	109	70-130
1,1'-Biphenyl	429,000		49,500	396,000	108	70-130
Bis(2-chloroethoxy)methane	411,000		49,500	396,000	104	70-130
Bis(2-chloroethyl)ether	404,000		49,500	396,000	102	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

LCS (B9H1701-BS1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	419,000		49,500	396,000	106	70-130
Bis(2-ethylhexyl)phthalate	385,000		49,500	396,000	97.2	70-130
4-Bromophenyl phenyl ether	413,000		49,500	396,000	104	70-130
Butyl benzyl phthalate	393,000		49,500	396,000	99.3	70-130
Carbazole	428,000		49,500	396,000	108	70-130
Caprolactam	431,000		49,500	396,000	109	70-130
4-Chloroaniline	408,000		49,500	396,000	103	70-130
2-Chloronaphthalene	415,000		49,500	396,000	105	70-130
2-Chlorophenol	419,000		49,500	396,000	106	70-130
4-Chlorophenyl phenyl ether	405,000		49,500	396,000	102	70-130
4-Chloro-3-methylphenol	419,000		49,500	396,000	106	70-130
Chrysene	417,000		49,500	396,000	105	70-130
Dibenzofuran	410,000		49,500	396,000	104	70-130
Dibenz (a,h) anthracene	381,000		49,500	396,000	96.2	70-130
1,2-Dichlorobenzene	408,000		49,500	396,000	103	70-130
1,3-Dichlorobenzene	416,000		49,500	396,000	105	70-130
1,4-Dichlorobenzene	385,000		49,500	396,000	97.2	70-130
3,3′-Dichlorobenzidine	424,000		49,500	396,000	107	70-130
2,4-Dichlorophenol	415,000		49,500	396,000	105	70-130
Diethyl phthalate	408,000		49,500	396,000	103	70-130
2,4-Dimethylphenol	412,000		49,500	396,000	104	70-130
Dimethyl phthalate	415,000		49,500	396,000	105	70-130
2,4-Dinitrophenol	439,000		198,000	396,000	111	70-130
2,4-Dinitrotoluene	435,000		49,500	396,000	110	70-130
2,6-Dinitrotoluene	418,000		49,500	396,000	106	70-130
4,6-Dinitro-2-methylphenol	413,000		198,000	396,000	104	70-130
Di-n-butyl phthalate	427,000		49,500	396,000	108	70-130
Di-n-octyl phthalate	436,000		49,500	396,000	110	70-130
Fluoranthene	430,000		19,800	396,000	109	70-130
Fluorene	412,000		19,800	396,000	104	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

LCS (B9H1701-BS1)
Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	410,000		49,500	396,000	103	70-130
Hexachlorobutadiene	390,000		49,500	396,000	98.4	70-130
Hexachlorocyclopentadiene	456,000		49,500	396,000	115	70-130
Hexachloroethane	408,000		49,500	396,000	103	70-130
Indeno (1,2,3-cd) pyrene	387,000		49,500	396,000	97.8	70-130
Isophorone	410,000		49,500	396,000	103	70-130
2-Methylnaphthalene	416,000		19,800	396,000	105	70-130
2-Methylphenol	412,000		49,500	396,000	104	70-130
3 &/or 4-Methylphenol	412,000		49,500	396,000	104	70-130
Naphthalene	423,000		19,800	396,000	107	70-130
2-Nitroaniline	433,000		79,200	396,000	109	70-130
3-Nitroaniline	444,000		79,200	396,000	112	70-130
4-Nitroaniline	442,000		79,200	396,000	112	70-130
Nitrobenzene	411,000		49,500	396,000	104	70-130
2-Nitrophenol	421,000		49,500	396,000	106	70-130
4-Nitrophenol	476,000		129,000	396,000	120	70-130
N-Nitrosodiphenylamine	419,000		49,500	396,000	106	70-130
N-Nitrosodi-n-propylamine	417,000		49,500	396,000	105	70-130
Pentachlorophenol	441,000		49,500	396,000	111	70-130
Phenanthrene	419,000		19,800	396,000	106	70-130
Phenol	429,000		49,500	396,000	108	70-130
Pyrene	366,000		19,800	396,000	92.3	70-130
1,2,4-Trichlorobenzene	408,000		49,500	396,000	103	70-130
2,4,5-Trichlorophenol	420,000		49,500	396,000	106	70-130
2,4,6-Trichlorophenol	433,000		49,500	396,000	109	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9H1701-MS1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,050,000		993,000	106	10-153
Surr: Phenol-d5	1,170,000		993,000	118	16-138
Surr: 2-Chlorophenol-d4	1,030,000		993,000	103	16-135
Surr: 1,2-Dichlorobenzene-d4	718,000		662,000	108	28-127
Surr: Nitrobenzene-d5	709,000		662,000	107	20-142
Surr: 2-Fluorobiphenyl	750,000		662,000	113	40-129
Surr: 2,4,6-Tribromophenol	1,190,000		993,000	119	10-151
Surr: Terphenyl-d14	703,000		662,000	106	29-129

Matrix Spike (B9H1701-MS1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Acenaphthene	583,000		26,500	530,000		110	70-130
Acenaphthylene	600,000		26,500	530,000		113	70-130
Acetophenone	599,000		66,200	530,000		113	70-130
Anthracene	597,000		26,500	530,000		113	70-130
Atrazine	449,000		66,200	530,000		84.8	70-130
Benzaldehyde	616,000		66,200	530,000		116	70-130
Benzoic acid	U		132,000	530,000		NR #	70-130
Benzo (a) anthracene	608,000		66,200	530,000		115	70-130
Benzo (a) pyrene	637,000		66,200	530,000		120	70-130
Benzo (b) fluoranthene	741,000		66,200	530,000		140 #	70-130
Benzo (g,h,i) perylene	323,000		66,200	530,000		61.0 #	70-130
Benzo (k) fluoranthene	634,000		66,200	530,000		120	70-130
Benzyl alcohol	596,000		66,200	530,000		113	70-130
1,1'-Biphenyl	564,000		66,200	530,000		107	70-130
Bis(2-chloroethoxy)methane	581,000		66,200	530,000		110	70-130
Bis(2-chloroethyl)ether	582,000		66,200	530,000		110	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9H1701-MS1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	557,000		66,200	530,000		105	70-130
Bis(2-ethylhexyl)phthalate	494,000		66,200	530,000		93.2	70-130
4-Bromophenyl phenyl ether	580,000		66,200	530,000		109	70-130
Butyl benzyl phthalate	561,000		66,200	530,000		106	70-130
Carbazole	625,000		66,200	530,000		118	70-130
Caprolactam	738,000		66,200	530,000		139	# 70-130
4-Chloroaniline	604,000		66,200	530,000		114	70-130
2-Chloronaphthalene	582,000		66,200	530,000		110	70-130
2-Chlorophenol	581,000		66,200	530,000		110	70-130
4-Chlorophenyl phenyl ether	574,000		66,200	530,000		108	70-130
4-Chloro-3-methylphenol	601,000		66,200	530,000		113	70-130
Chrysene	581,000		66,200	530,000		110	70-130
Dibenzofuran	574,000		66,200	530,000		108	70-130
Dibenz (a,h) anthracene	369,000		66,200	530,000		69.7	# 70-130
1,2-Dichlorobenzene	568,000		66,200	530,000		107	70-130
1,3-Dichlorobenzene	570,000		66,200	530,000		108	70-130
1,4-Dichlorobenzene	545,000		66,200	530,000		103	70-130
3,3′-Dichlorobenzidine	739,000		66,200	530,000		139	# 70-130
2,4-Dichlorophenol	588,000		66,200	530,000		111	70-130
Diethyl phthalate	561,000		66,200	530,000		106	70-130
2,4-Dimethylphenol	631,000		66,200	530,000		119	70-130
Dimethyl phthalate	578,000		66,200	530,000		109	70-130
2,4-Dinitrophenol	290,000		265,000	530,000		54.7	# 70-130
2,4-Dinitrotoluene	637,000		66,200	530,000		120	70-130
2,6-Dinitrotoluene	577,000		66,200	530,000		109	70-130
4,6-Dinitro-2-methylphenol	497,000		265,000	530,000		93.7	70-130
Di-n-butyl phthalate	676,000		66,200	530,000		128	70-130
Di-n-octyl phthalate	578,000		66,200	530,000		109	70-130
Fluoranthene	586,000		26,500	530,000		111	70-130
Fluorene	604,000		26,500	530,000		114	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9H1701-MS1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hexachlorobenzene	575,000		66,200	530,000		108	70-130
Hexachlorobutadiene	538,000		66,200	530,000		102	70-130
Hexachlorocyclopentadiene	215,000		66,200	530,000		40.7 #	70-130
Hexachloroethane	590,000		66,200	530,000		111	70-130
Indeno (1,2,3-cd) pyrene	372,000		66,200	530,000		70.3	70-130
Isophorone	597,000		66,200	530,000		113	70-130
2-Methylnaphthalene	597,000		26,500	530,000		113	70-130
2-Methylphenol	607,000		66,200	530,000		115	70-130
3 &/or 4-Methylphenol	632,000		66,200	530,000		119	70-130
Naphthalene	604,000		26,500	530,000		114	70-130
2-Nitroaniline	638,000		106,000	530,000		120	70-130
3-Nitroaniline	616,000		106,000	530,000		116	70-130
4-Nitroaniline	653,000		106,000	530,000		123	70-130
Nitrobenzene	561,000		66,200	530,000		106	70-130
2-Nitrophenol	604,000		66,200	530,000		114	70-130
4-Nitrophenol	587,000		172,000	530,000		111	70-130
N-Nitrosodiphenylamine	1,000,000		66,200	530,000	434,000	107	70-130
N-Nitrosodi-n-propylamine	1,440,000	J	66,200	530,000		272 #	70-130
Pentachlorophenol	632,000		66,200	530,000		119	70-130
Phenanthrene	593,000		26,500	530,000		112	70-130
Phenol	590,000		66,200	530,000		111	70-130
Pyrene	563,000		26,500	530,000		106	70-130
1,2,4-Trichlorobenzene	554,000		66,200	530,000		104	70-130
2,4,5-Trichlorophenol	607,000		66,200	530,000		114	70-130
2,4,6-Trichlorophenol	662,000		66,200	530,000		125	70-130

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9H1701-MSD1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	961,000		1.01E6	95.4	10-153
Surr: Phenol-d5	1,060,000		1.01E6	106	16-138
Surr: 2-Chlorophenol-d4	937,000		1.01E6	93.1	16-135
Surr: 1,2-Dichlorobenzene-d4	663,000		671,000	98.8	28-127
Surr: Nitrobenzene-d5	648,000		671,000	96.5	20-142
Surr: 2-Fluorobiphenyl	687,000		671,000	102	40-129
Surr: 2,4,6-Tribromophenol	1,040,000		1.01E6	104	10-151
Surr: Terphenyl-d14	645,000		671,000	96.1	29-129

Matrix Spike Dup (B9H1701-MSD1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthene	537,000		26,800	537,000		100	70-130	8.07	30
Acenaphthylene	551,000		26,800	537,000		103	70-130	8.65	30
Acetophenone	551,000		67,100	537,000		103	70-130	8.47	30
Anthracene	554,000		26,800	537,000		103	70-130	7.33	30
Atrazine	430,000		67,100	537,000		80.2	70-130	4.25	30
Benzaldehyde	557,000		67,100	537,000		104	70-130	10.1	30
Benzoic acid	U		134,000	537,000		NR #	70-130	#	30
Benzo (a) anthracene	570,000		67,100	537,000		106	70-130	6.38	30
Benzo (a) pyrene	596,000		67,100	537,000		111	70-130	6.66	30
Benzo (b) fluoranthene	728,000		67,100	537,000		136 #	70-130	1.83	30
Benzo (g,h,i) perylene	318,000		67,100	537,000		59.2 #	70-130	1.54	30
Benzo (k) fluoranthene	549,000		67,100	537,000		102	70-130	14.4	30
Benzyl alcohol	549,000		67,100	537,000		102	70-130	8.19	30
1,1'-Biphenyl	583,000		67,100	537,000		109	70-130	3.19	30
Bis(2-chloroethoxy)methane	534,000		67,100	537,000		99.5	70-130	8.40	30
Bis(2-chloroethyl)ether	530,000		67,100	537,000		98.8	70-130	9.33	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9H1701-MSD1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bis(2-chloroisopropyl)ether	506,000		67,100	537,000		94.3	70-130	9.46	30
Bis(2-ethylhexyl)phthalate	456,000		67,100	537,000		85.0	70-130	7.93	30
4-Bromophenyl phenyl ether	546,000		67,100	537,000		102	70-130	6.04	30
Butyl benzyl phthalate	515,000		67,100	537,000		96.0	70-130	8.50	30
Carbazole	581,000		67,100	537,000		108	70-130	7.38	30
Caprolactam	657,000		67,100	537,000		122	70-130	11.6	30
4-Chloroaniline	557,000		67,100	537,000		104	70-130	8.04	30
2-Chloronaphthalene	539,000		67,100	537,000		100	70-130	7.71	30
2-Chlorophenol	538,000		67,100	537,000		100	70-130	7.68	30
4-Chlorophenyl phenyl ether	540,000		67,100	537,000		101	70-130	6.13	30
4-Chloro-3-methylphenol	564,000		67,100	537,000		105	70-130	6.41	30
Chrysene	526,000		67,100	537,000		98.0	70-130	9.91	30
Dibenzofuran	534,000		67,100	537,000		99.4	70-130	7.26	30
Dibenz (a,h) anthracene	364,000		67,100	537,000		67.8 #	70-130	1.43	30
1,2-Dichlorobenzene	522,000		67,100	537,000		97.3	70-130	8.47	30
1,3-Dichlorobenzene	536,000		67,100	537,000		99.8	70-130	6.17	30
1,4-Dichlorobenzene	494,000		67,100	537,000		91.9	70-130	9.99	30
3,3'-Dichlorobenzidine	675,000		67,100	537,000		126	70-130	9.05	30
2,4-Dichlorophenol	538,000		67,100	537,000		100	70-130	8.80	30
Diethyl phthalate	512,000		67,100	537,000		95.4	70-130	9.18	30
2,4-Dimethylphenol	588,000		67,100	537,000		110	70-130	7.05	30
Dimethyl phthalate	528,000		67,100	537,000		98.4	70-130	9.01	30
2,4-Dinitrophenol	223,000		268,000	537,000		41.4 #	70-130	26.3	30
2,4-Dinitrotoluene	582,000		67,100	537,000		108	70-130	8.97	30
2,6-Dinitrotoluene	531,000		67,100	537,000		98.9	70-130	8.22	30
4,6-Dinitro-2-methylphenol	430,000		268,000	537,000		80.1	70-130	14.4	30
Di-n-butyl phthalate	574,000		67,100	537,000		107	70-130	16.3	30
Di-n-octyl phthalate	518,000		67,100	537,000		96.4	70-130	11.1	30
Fluoranthene	563,000		26,800	537,000		105	70-130	3.89	30
Fluorene	550,000		26,800	537,000		102	70-130	9.33	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B9H1701 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9H1701-MSD1)

Source: 0908013-20 Prepared: 8/17/2009 Analyzed: 8/19/2009

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobenzene	534,000		67,100	537,000		99.4	70-130	7.42	30
Hexachlorobutadiene	497,000		67,100	537,000		92.5	70-130	7.95	30
Hexachlorocyclopentadiene	217,000		67,100	537,000		40.4 #	70-130	0.78	30
Hexachloroethane	530,000		67,100	537,000		98.7	70-130	10.7	30
Indeno (1,2,3-cd) pyrene	364,000		67,100	537,000		67.7 #	70-130	2.33	30
Isophorone	547,000		67,100	537,000		102	70-130	8.81	30
2-Methylnaphthalene	555,000		26,800	537,000		103	70-130	7.30	30
2-Methylphenol	555,000		67,100	537,000		103	70-130	8.94	30
3 &/or 4-Methylphenol	572,000		67,100	537,000		106	70-130	9.97	30
Naphthalene	556,000		26,800	537,000		104	70-130	8.18	30
2-Nitroaniline	604,000		107,000	537,000		112	70-130	5.54	30
3-Nitroaniline	587,000		107,000	537,000		109	70-130	4.81	30
4-Nitroaniline	596,000		107,000	537,000		111	70-130	9.15	30
Nitrobenzene	597,000		67,100	537,000		111	70-130	6.08	30
2-Nitrophenol	554,000		67,100	537,000		103	70-130	8.50	30
4-Nitrophenol	551,000		174,000	537,000		103	70-130	6.45	30
N-Nitrosodiphenylamine	822,000		67,100	537,000	434,000	72.3	70-130	19.7	30
N-Nitrosodi-n-propylamine	1,190,000		67,100	537,000		223 #	70-130	18.6	30
Pentachlorophenol	557,000		67,100	537,000		104	70-130	12.8	30
Phenanthrene	551,000		26,800	537,000		103	70-130	7.29	30
Phenol	538,000		67,100	537,000		100	70-130	9.33	30
Pyrene	527,000		26,800	537,000		98.2	70-130	6.57	30
1,2,4-Trichlorobenzene	522,000		67,100	537,000		97.3	70-130	5.86	30
2,4,5-Trichlorophenol	501,000		67,100	537,000		93.3	70-130	19.1	30
2,4,6-Trichlorophenol	606,000		67,100	537,000		113	70-130	8.76	30

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TCLP Filtrate for Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0605 **Sample Type: Non-Aqueous Liquid**

Blank (B9K0605-BLK1)

Prepared: 11/9/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,240,000		1.45E6	85.4	36-113
Surr: Phenol-d5	1,280,000		1.45E6	88.6	38-111
Surr: 2-Chlorophenol-d4	1,190,000		1.45E6	82.4	44-114
Surr: 1,2-Dichlorobenzene-d4	915,000		967,000	94.6	30-107

Blank (B9K0605-BLK1)

Prepared: 11/9/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
2-Methylphenol	U		96,700
3 &/or 4-Methylphenol	U		96,700

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TCLP Filtrate for Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0605 **Sample Type: Non-Aqueous Liquid**

LCS (B9K0605-BS1)

Prepared: 11/9/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,190,000		1.48E6	80.7	36-113
Surr: Phenol-d5	1,170,000		1.48E6	79.0	38-111
Surr: 2-Chlorophenol-d4	1,130,000		1.48E6	76.6	44-114
Surr: 1,2-Dichlorobenzene-d4	823,000		984,000	83.6	30-107

LCS (B9K0605-BS1)

Prepared: 11/9/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
2-Methylphenol	814,000		98,400	984,000	82.7	54-113
3 &/or 4-Methylphenol	817,000		98,400	984,000	83.0	53-117

Matrix Spike (B9K0605-MS1)

Source: 0908013-04 Prepared: 11/9/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,350,000		1.42E6	94.6	36-113
Surr: Phenol-d5	1,220,000		1.42E6	85.9	38-111
Surr: 2-Chlorophenol-d4	1,230,000		1.42E6	86.4	44-114
Surr: 1,2-Dichlorobenzene-d4	894,000		950,000	94.2	30-107

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TCLP Filtrate for Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0605 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9K0605-MS1)

Source: 0908013-04 Prepared: 11/9/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits
2-Methylphenol	14,700,000		950,000	950,000	13.6E6	119	#	54-113
3 &/or 4-Methylphenol	16,800,000		950,000	950,000	15.8E6	105		53-117

Matrix Spike Dup (B9K0605-MSD1)

Source: 0908013-04 Prepared: 11/9/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,350,000		1.42E6	95.4	36-113
Surr: Phenol-d5	1,230,000		1.42E6	87.0	38-111
Surr: 2-Chlorophenol-d4	1,250,000		1.42E6	88.3	44-114
Surr: 1,2-Dichlorobenzene-d4	914,000		944,000	96.8	30-107

Matrix Spike Dup (B9K0605-MSD1)

Source: 0908013-04 Prepared: 11/9/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit
2-Methylphenol	14,900,000		944,000	944,000	13.6E6	135	#	54-113	0.98	30
3 &/or 4-Methylphenol	17,100,000		944,000	944,000	15.8E6	136	#	53-117	1.71	30

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0601 **Sample Type: Liquid**

Blank (B9K0601-BLK1)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	57.7		75.0	76.9	41-121
Surr: Phenol-d5	59.3		75.0	79.0	43-118
Surr: 2-Chlorophenol-d4	56.7		75.0	75.6	46-123
Surr: 1,2-Dichlorobenzene-d4	31.0		50.0	62.0	35-110

Blank (B9K0601-BLK1)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
2-Methylphenol	U		5.0
3 &/or 4-Methylphenol	U		5.0

Blank (B9K0601-BLK2)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	63.8		80.3	79.4	41-121
Surr: Phenol-d5	66.4		80.3	82.7	43-118
Surr: 2-Chlorophenol-d4	63.3		80.3	78.8	46-123
Surr: 1,2-Dichlorobenzene-d4	33.9		53.5	63.3	35-110

Blank (B9K0601-BLK2)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit

Environmental Protection Agency
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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0601 **Sample Type: Liquid**

Blank (B9K0601-BLK2)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
2-Methylphenol	U		5.4
3 &/or 4-Methylphenol	U		5.4

Blank (B9K0601-BLK3)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	48.3		74.0	65.3	41-121
Surr: Phenol-d5	49.2		74.0	66.5	43-118
Surr: 2-Chlorophenol-d4	47.4		74.0	64.1	46-123
Surr: 1,2-Dichlorobenzene-d4	27.6		49.3	56.0	35-110

Blank (B9K0601-BLK3)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
2-Methylphenol	U		4.9
3 &/or 4-Methylphenol	U		4.9

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0601 **Sample Type: Liquid**

LCS (B9K0601-BS1)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	63.3		75.0	84.4	41-121
Surr: Phenol-d5	63.4		75.0	84.6	43-118
Surr: 2-Chlorophenol-d4	60.5		75.0	80.7	46-123
Surr: 1,2-Dichlorobenzene-d4	36.0		50.0	71.9	35-110

LCS (B9K0601-BS1)
Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
2-Methylphenol	43.3		5.0	50.0	86.6	58-114
3 &/or 4-Methylphenol	42.9		5.0	50.0	85.7	58-116

Matrix Spike (B9K0601-MS1)
Source: 0908013-01 Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	115,000		150,000	76.8	41-121
Surr: Phenol-d5	99,700		150,000	66.5	43-118
Surr: 2-Chlorophenol-d4	112,000		150,000	74.9	46-123
Surr: 1,2-Dichlorobenzene-d4	62,200		100,000	62.2	35-110

Matrix Spike (B9K0601-MS1)
Source: 0908013-01 Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits

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TCLP Semivolatiles by EPA Method 1311/8270 - GC/MS - Quality Control

Batch: B9K0601 **Sample Type: Liquid**

Matrix Spike (B9K0601-MS1)

Source: 0908013-01 Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits
2-Methylphenol	970,000		100,000	100,000	806,000	163	#	58-114
3 &/or 4-Methylphenol	785,000		100,000	100,000	640,000	145	#	58-116

Matrix Spike Dup (B9K0601-MSD1)

Source: 0908013-01 Prepared: 11/6/2009 Analyzed: 11/10/2009

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	116,000		150,000	77.3	41-121
Surr: Phenol-d5	99,900		150,000	66.6	43-118
Surr: 2-Chlorophenol-d4	112,000		150,000	74.4	46-123
Surr: 1,2-Dichlorobenzene-d4	63,700		100,000	63.7	35-110

Matrix Spike Dup (B9K0601-MSD1)

Source: 0908013-01 Prepared: 11/6/2009 Analyzed: 11/10/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit
2-Methylphenol	957,000		100,000	100,000	806,000	150	#	58-114	1.37	30
3 &/or 4-Methylphenol	778,000		100,000	100,000	640,000	137	#	58-116	1.00	30

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9H2001 **Sample Type: Liquid**

Blank (B9H2001-BLK1)
Prepared: 8/20/2009 Analyzed: 9/15/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Antimony	U		60.0
Arsenic	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	24.4		20.0
Iron	163		25.0
Lead	U		30.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Selenium	U		100
Silver	U		10.0
Sodium	U		500
Thallium	U		100
Vanadium	U		20.0
Zinc	U		20.0

LCS (B9H2001-BS1)
Prepared: 8/20/2009 Analyzed: 9/15/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	207		100	200	104	75-125

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9H2001 **Sample Type: Liquid**

LCS (B9H2001-BS1)

Prepared: 8/20/2009 Analyzed: 9/15/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC		%REC Limits
Antimony	201		60.0	200	101		75-125
Arsenic	132		100	200	65.8	#	75-125
Barium	200		10.0	200	100		75-125
Beryllium	199		5.0	200	99.7		75-125
Cadmium	197		5.0	200	98.4		75-125
Chromium	200		10.0	200	100		75-125
Cobalt	203		20.0	200	102		75-125
Copper	218		20.0	200	109		75-125
Iron	317		25.0	200	159	#	75-125
Lead	212		30.0	200	106		75-125
Manganese	205		5.0	200	103		75-125
Nickel	200		20.0	200	100		75-125
Selenium	212		100	200	106		75-125
Silver	199		10.0	200	99.4		75-125
Thallium	213		100	200	107		75-125
Vanadium	200		20.0	200	99.9		75-125
Zinc	202		20.0	200	101		75-125

LCS (B9H2001-BS2)

Prepared: 8/20/2009 Analyzed: 9/15/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC		%REC Limits
Aluminum	1,030		100	1,000	103		75-125
Arsenic	950		100	1,000	95.0		75-125
Barium	998		10.0	1,000	99.8		75-125
Beryllium	1,010		5.0	1,000	101		75-125
Cadmium	987		5.0	1,000	98.7		75-125
Chromium	997		10.0	1,000	99.7		75-125

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9H2001 **Sample Type: Liquid**

LCS (B9H2001-BS2)

Prepared: 8/20/2009 Analyzed: 9/15/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cobalt	983		20.0	1,000	98.3	75-125
Copper	988		20.0	1,000	98.8	75-125
Iron	3,210		25.0	1,000	321 #	75-125
Lead	964		30.0	1,000	96.4	75-125
Manganese	1,020		5.0	1,000	102	75-125
Nickel	1,000		20.0	1,000	100	75-125
Selenium	999		100	1,000	99.9	75-125
Thallium	992		100	1,000	99.2	75-125
Vanadium	997		20.0	1,000	99.7	75-125
Zinc	969		20.0	1,000	96.9	75-125

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I0201 **Sample Type: Liquid**

Blank (B9I0201-BLK1)
Prepared: 8/27/2009 Analyzed: 9/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Antimony	U		60.0
Arsenic	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	30.9		25.0
Lead	U		30.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Selenium	U		100
Silver	U		10.0
Sodium	U		500
Thallium	U		100
Vanadium	U		20.0
Zinc	U		20.0

LCS (B9I0201-BS1)
Prepared: 8/27/2009 Analyzed: 9/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	224		100	200	112	75-125

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I0201 **Sample Type: Liquid**

LCS (B9I0201-BS1)
Prepared: 8/27/2009 Analyzed: 9/16/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Arsenic	199		100	200	99.3	75-125
Barium	200		10.0	200	99.8	75-125
Beryllium	201		5.0	200	100	75-125
Cadmium	196		5.0	200	97.9	75-125
Chromium	210		10.0	200	105	75-125
Cobalt	201		20.0	200	101	75-125
Copper	209		20.0	200	105	75-125
Iron	235		25.0	200	117	75-125
Lead	203		30.0	200	102	75-125
Manganese	207		5.0	200	103	75-125
Nickel	210		20.0	200	105	75-125
Selenium	203		100	200	101	75-125
Silver	201		10.0	200	101	75-125
Thallium	217		100	200	109	75-125
Vanadium	204		20.0	200	102	75-125
Zinc	199		20.0	200	99.5	75-125

LCS (B9I0201-BS2)
Prepared: 8/27/2009 Analyzed: 9/16/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	1,020		100	1,000	102	75-125
Antimony	969		60.0	1,000	96.9	75-125
Arsenic	976		100	1,000	97.6	75-125
Barium	994		10.0	1,000	99.4	75-125
Beryllium	984		5.0	1,000	98.4	75-125
Cadmium	966		5.0	1,000	96.6	75-125
Chromium	984		10.0	1,000	98.4	75-125

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I0201 **Sample Type: Liquid**

LCS (B9I0201-BS2)
Prepared: 8/27/2009 Analyzed: 9/16/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cobalt	970		20.0	1,000	97.0	75-125
Copper	964		20.0	1,000	96.4	75-125
Iron	1,000		25.0	1,000	100	75-125
Lead	952		30.0	1,000	95.2	75-125
Manganese	985		5.0	1,000	98.5	75-125
Nickel	992		20.0	1,000	99.2	75-125
Selenium	992		100	1,000	99.2	75-125
Thallium	970		100	1,000	97.0	75-125
Vanadium	964		20.0	1,000	96.4	75-125
Zinc	930		20.0	1,000	93.0	75-125

Environmental Protection Agency
Region 6 Laboratory
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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I1001 **Sample Type: Non-Aqueous Liquid**

Blank (B9I1001-BLK1)
Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Antimony	U		60.0
Arsenic	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	36.0		20.0
Iron	27.7		25.0
Lead	U		30.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Selenium	U		100
Silver	U		10.0
Sodium	U		500
Thallium	U		100
Vanadium	U		30.0
Zinc	U		20.0

LCS (B9I1001-BS1)
Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	1,900		100	2,000	94.9	75-125

Environmental Protection Agency
Region 6 Laboratory
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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I1001 **Sample Type: Non-Aqueous Liquid**

LCS (B9I1001-BS1)

Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Arsenic	1,960		100	2,000	98.1	75-125
Barium	1,960		10.0	2,000	98.1	75-125
Beryllium	1,990		5.0	2,000	99.5	75-125
Cadmium	1,920		5.0	2,000	96.1	75-125
Chromium	1,940		10.0	2,000	96.8	75-125
Cobalt	1,930		20.0	2,000	96.4	75-125
Copper	1,900		20.0	2,000	95.1	75-125
Iron	1,970		25.0	2,000	98.3	75-125
Lead	1,870		30.0	2,000	93.7	75-125
Manganese	2,000		5.0	2,000	99.9	75-125
Nickel	1,930		20.0	2,000	96.7	75-125
Selenium	1,950		100	2,000	97.7	75-125
Thallium	1,900		100	2,000	95.0	75-125
Vanadium	1,940		30.0	2,000	96.9	75-125
Zinc	1,900		20.0	2,000	95.0	75-125

Matrix Spike (B9I1001-MS1)

Source: 0908013-04 Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	165,000		7,450	149,000		110	75-125
Arsenic	156,000		7,450	149,000		105	75-125
Barium	165,000		745	149,000		111	75-125
Beryllium	165,000		373	149,000		111	75-125
Cadmium	160,000		373	149,000		107	75-125
Chromium	178,000		745	149,000	17,400	108	75-125
Cobalt	162,000		1,490	149,000		109	75-125
Copper	167,000		1,490	149,000		112	75-125

Environmental Protection Agency
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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I1001 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B9I1001-MS1)

Source: 0908013-04 Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Iron	285,000		1,860	149,000	138,000	98.7	75-125
Lead	155,000		2,240	149,000		104	75-125
Manganese	164,000		373	149,000	2,170	108	75-125
Nickel	161,000		1,490	149,000	4,800	105	75-125
Selenium	164,000		7,450	149,000		110	75-125
Thallium	157,000		7,450	149,000		105	75-125
Vanadium	165,000		2,240	149,000		110	75-125
Zinc	162,000		1,490	149,000	2,570	107	75-125

Matrix Spike Dup (B9I1001-MSD1)

Source: 0908013-04 Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	202,000		9,360	187,000		108	75-125	20.3 #	20
Antimony	U		5,610	187,000		NR #	75-125	#	20
Arsenic	199,000		9,360	187,000		107	75-125	24.1 #	20
Barium	205,000		936	187,000		110	75-125	21.6 #	20
Beryllium	206,000		468	187,000		110	75-125	22.4 #	20
Cadmium	199,000		468	187,000		106	75-125	21.8 #	20
Chromium	214,000		936	187,000	17,400	105	75-125	18.2	20
Cobalt	202,000		1,870	187,000		108	75-125	21.9 #	20
Copper	207,000		1,870	187,000		111	75-125	21.5 #	20
Iron	299,000		2,340	187,000	138,000	86.3	75-125	4.92	20
Lead	193,000		2,810	187,000		103	75-125	22.4 #	20
Manganese	203,000		468	187,000	2,170	107	75-125	21.4 #	20
Nickel	200,000		1,870	187,000	4,800	104	75-125	21.4 #	20
Selenium	204,000		9,360	187,000		109	75-125	21.8 #	20
Thallium	197,000		9,360	187,000		105	75-125	22.4 #	20

Environmental Protection Agency
Region 6 Laboratory
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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B9I1001 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9I1001-MSD1)

Source: 0908013-04 Prepared: 9/10/2009 Analyzed: 9/23/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Vanadium	203,000		2,810	187,000		109	75-125	21.2 #	20
Zinc	202,000		1,870	187,000	2,570	107	75-125	22.0 #	20

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10625 Fallstone Road, Houston, TX 77099
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Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B9I0105 **Sample Type: Liquid**

Blank (B9I0105-BLK1)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

LCS (B9I0105-BS1)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.953		0.200	1.00	95.3	75-125

LCS (B9I0105-BS2)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.217		0.200	0.200	108	75-125

Matrix Spike (B9I0105-MS1)
Source: 0908013-01 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	14.2		0.200	5.00	13.0	23.0 #	75-125

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Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B9I0105 **Sample Type: Liquid**

Matrix Spike (B9I0105-MS2)

Source: 0908013-30 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	4.08		0.200	5.00		81.7	75-125

Matrix Spike Dup (B9I0105-MSD1)

Source: 0908013-01 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	16.2		0.200	5.00	13.0	64.0 #	75-125	13.5	20

Matrix Spike Dup (B9I0105-MSD2)

Source: 0908013-30 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	4.13		0.200	5.00		82.6	75-125	1.10	20

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B9I0106 **Sample Type: Non-Aqueous Liquid**

Blank (B9I0106-BLK1)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit
Mercury	U		0.0002

LCS (B9I0106-BS1)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.387		0.0002	0.400	96.7	75-125

LCS (B9I0106-BS2)
Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.082		0.0002	0.0800	102	75-125

Matrix Spike (B9I0106-MS1)
Source: 0908013-04 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	U		0.0002	0.345	0.003	NR #	75-125

Environmental Protection Agency
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10625 Fallstone Road, Houston, TX 77099
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Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B9I0106 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B9I0106-MSD1)

Source: 0908013-04 Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	U		0.0002	0.364	0.003	NR #	75-125	#	20

Reference (B9I0106-SRM1)

Prepared: 8/26/2009 Analyzed: 8/27/2009

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	3.91		0.002	3.59		109	51.8-148		

Environmental Protection Agency
Region 6 Laboratory
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Phone:(281)983-2100 Fax:(281)983-2248

TCLP Metals by EPA Method 1311/6020 - ICP-MS - Quality Control

Batch: B9I0202 **Sample Type: Liquid**

Blank (B9I0202-BLK1)
Prepared: 12/11/2009 Analyzed: 12/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Arsenic	U		5.00
Barium	U		5.00
Cadmium	U		5.00
Chromium	13.4		5.00
Lead	U		5.00
Selenium	U		5.00
Silver	U		5.00

LCS (B9I0202-BS1)
Prepared: 12/11/2009 Analyzed: 12/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Arsenic	2,210		5.00	2,000	110	75-125
Barium	2,100		5.00	2,000	105	75-125
Cadmium	52.9		5.00	50.0	106	75-125
Chromium	439		5.00	400	110	75-125
Lead	451		5.00	400	113	75-125
Selenium	1,120		5.00	1,000	112	75-125
Silver	55.0		5.00	50.0	110	75-125

Matrix Spike (B9I0202-MS1)
Source: 0908013-25 Prepared: 12/11/2009 Analyzed: 12/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Arsenic	8,610		125	10,000		86.1	75-125
Barium	11,500		125	10,000	1,350	102	75-125

Environmental Protection Agency

Region 6 Laboratory

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TCLP Metals by EPA Method 1311/6020 - ICP-MS - Quality Control

Batch: B9I0202 **Sample Type: Liquid**

Matrix Spike (B9I0202-MS1)

Source: 0908013-25 Prepared: 12/11/2009 Analyzed: 12/14/2009

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cadmium	263		125	250		105	75-125
Chromium	4,650		125	2,000	2,570	104	75-125
Lead	3,730		125	2,000	1,620	105	75-125
Selenium	4,830		125	5,000		96.6	75-125
Silver	887		125	250	569	127 #	75-125

Matrix Spike Dup (B9I0202-MSD1)

Source: 0908013-25 Prepared: 12/11/2009 Analyzed: 12/14/2009

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Arsenic	8,430		125	10,000		84.3	75-125	2.20	20
Barium	11,800		125	10,000	1,350	104	75-125	2.12	20
Cadmium	267		125	250		107	75-125	1.64	20
Chromium	4,650		125	2,000	2,570	104	75-125	0.05	20
Lead	3,690		125	2,000	1,620	104	75-125	1.05	20
Selenium	4,850		125	5,000		96.9	75-125	0.30	20
Silver	885		125	250	569	127 #	75-125	0.16	20

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement and Compliance Monitoring

CHAIN OF CUSTODY RECORD

NATIONAL ENFORCEMENT INVESTIGATIONS CENTER
Building 53, Box 25227, Denver Federal Center
Denver, Colorado 80225

PROJ. NO.: RP1321
PROJECT NAME: CSE-PA/HOY
SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TAG NUMBERS	SAMPLE TAG VERIFICATION	REMARKS
S2A	8/6/09	1618	X		Frac 1003	2-16oz	NE25869, 25870		
S1B	8/6/09	1450	X		NW2 Tank	6-16oz	NE25872, 73, 74, 75, 76, 85		
S3A	8/6/09	0944	X		Tanker 261	2-16oz	NE25893, 94		
S2B	8/6/09	0918	X		NW1 Tank	2-16oz	NE25889, 88		
S4A	8/6/09	0954	X		Tanker 419	2-16oz	NE25899, 900		
S5A	8/6/09	1005	X		Tanker 262	2-16oz	NE25884, 85		
S6A	8/7/09	0912	X		Tanker 413	2-16oz	NE25905, 06		
S7A	8/7/09	0923	X		Tanker 28	2-16oz	NE25903, 04		
S8A	8/7/09	0933	X		Tanker 265	2-16oz	NE25785, 25901		
S3B	8/7/09	0857	X		Tank 408	2-16oz	NE25792, 93		
S4B	8/7/09	0915	X		Tank 407	2-16oz	NE25794, 95		
S9A	8/7/09	1539	X		Tank 1004	2-16oz	NE25800, 801		
S10A	8/7/09	1547	X		Tank 1002	6-16oz	NE25804, 07, 08, 13, 16, 09		
S5B	8/8/09	0837	X		Used oil tank farm Tank 4 (layer)	2-16oz	NE25831, 832		
S6B	8/8/09	0842	X		Used oil tank farm Tank 4 (layer)	2-16oz	NE25832, 833		

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	8/6/09 1742			8/8/09 1853	
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PROJ. NO.: RP1321
PROJECT NAME: CES-Hoy
SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TAG NUMBERS	SAMPLE TAG VERIFICATION	REMARKS
S7B	8/8/9	0850		X	Used oil tank from Tank4, Layer 3	2-16oz	NE25840, 834		
S8B	8/8/9	0908		X	Used oil tank from Tank1, Layer 1	2-16oz	NE25842, 41		
S9B	8/8/9	0905		X	Used oil tank from Tank1, Layer 2	2-16oz	NE25844, 43		
S11A	8/8/9	0835		X	Used oil tank from, Tank7, Layer 1	2-16oz	NE25824, 25		
S12A	8/8/9	0844		X	Used oil tank from, Tank7, Layer 3	1-16oz	NE25826		
S13A	8/8/9	0851		X	Used oil tank from, Tank7, Layer 2	1-16oz	NE25827		
S14A	8/8/9	0901		X	Used oil tank from, Tank3, Layer 1	2-16oz	NE25838, 29		
S15A	8/8/9	0895		X	Used oil tank from, Tank3, Layer 2	2-16oz	NE25835, 36		
S16A	8/8/9	0905		X	Used oil tank from, Tank3, Layer 3	2-16oz	NE25839, 38		
S1C-01	8/8/9	1102	X		D-1 For left Drum in Piece of warehouse	2-16oz	NE25815, 25821		
S1C-02	8/8/9	1106	X		D-2 Drum immediate to rt of left drum	2-16oz	NE25817, 25818		
S1C-03	8/8/9	1500	X		D-3 (Process area of warehouse)	2-16oz	NE25823, NE25837		
S1C-04	8/8/9	1500	X		D-3	2-16oz	NE25849, NE25850		
S1C-05	8/8/9	1500	X		D-3		NE25851, NE25852		
S1C-06	8/8/9	1500			HCl Acid Drum in Process Area of warehouse only		NE25855, NE25856		

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PROJ. NO.: RP1321
PROJECT NAME: CES-Hon
SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS						TAG NUMBERS	SAMPLE TAG VERIFICATION	REMARKS
SIC-07	8/8/09	1555	X		D-5 (Drum in process area section of warehouse)	4 (2-1000)						NE25961, 62		
SIC-08	8/8/09	1541			D-6 (Drum in process area of warehouse)	4 (2-1000)						NE25965, 66		

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	8/8/09 1342			8/8/09 1953	
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Notes and Definitions

The units for surrogates on VOA solid samples are reported in µg/L instead of the expected µg/Kg for a solid sample. The difference is because the surrogate spiking procedure is a post sample preparation addition, and the units are based on the concentration of the surrogate in the diluted extract, not the solid sample.

RL	The reporting limit for this analyte was raised because absence or presence at the routine or lower value could not be verified"
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
NJ	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.
N	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated extraction, digestion and/or analysis blank. Presence in the sample is therefore suspect.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

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AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.