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 ----------Oil Trust Fund

Sample Collection Date(s)-- 05/15/10 - 05/17/10

Contact---------- Rich Mayer (6PD-F)

Report Date---------- 05/23/10

Project #---------- 10REG161

Work Order(s)----------1005017

Analyses included in this report:

ABN 8270 Routine List	ABN Glycols
Metals ICP 6010B	Metals Mercury 7470A/7471A
P/P 8015 DRO/ORO	Solids, Dry Weight
VOA 8260 Routine List	VOA 8260 Routine List (Liquid Prep)
VOA 8260 Routine List (Solid Prep)	

Report Narrative

CBI Sensitive - Handle appropriately.

Sample Management:

This report contains the VOA, ABN, DRO/ORO, glycols, and total metals results. The Oil & Grease is a parameter being analyzed by the TCEQ Laboratory. The TCEQ data will be reported as soon as it is available.

Sample 1005017-01 is a phasic sample containing both an aqueous phase and non-aqueous organic phase. Volatiles and Glycols analysis were performed on the aqueous phase. Volatiles, Semi-volatiles, Metals, and DRO analysis were performed on the non-aqueous organic phase.

Volatiles:Liquid: Methylene chloride is qualified as potentially blank related in sample 1005017-05 because the container was opened in the extraction lab where Methylene chloride was in use.

No pH was reported for 1005017-09 because the sample was dispersant product.

Report Narrative (cont'd)

One analyte fails low in the BS and five RPDs fail in the MS/MSD. None were found in the associated samples.

Solids: The surrogate BFB fails low in all samples and BLKs. There were no associated targets.

Methylene chloride is qualified as potentially blank related in sample 1005017-08 because the container was opened in the extraction lab where Methylene chloride was in use.

A few analytes fail in the BSs. Several analytes fail in the matrix spikes. For recoveries less than 50%, corrective action was performed. The reporting limits have been raised in all samples for Chloroethane and Bromomethane due to low failures in BS. The cause is methanol suppression. The reporting limits for additional analytes were raised in source samples 1005017-01 and 1005017-07 due to low failures in MS (matrix related). Absence or presence at the lower RL could not be verified. RPDs that fail were not found in any sample.

Semi-volatiles:

Liquid: Several analytes fail high in the BS. No targets were reported in the sample.

Non-aqueous liquids: One analyte fails low in the BS and three analytes fail low in the MS/MSD. Of those two are significant. The reporting limits have been raised in the source sample 1005017-01 for 2,4-Dinitrophenol and Benzoic acid due to low failures in MS/MSD. Absence or presence at the lower RL could not be verified.

DRO/ORO:

ORO is qualified as high biased, where reported, due to failure of the ending calibration check.

DRO is qualified as low biased in sample 1005017-08 due to failure of the ending calibration check.

METALS ICP: Batch B0E2002:

MS1: Aluminum and iron recoveries are high, sample source is four or more times the spike level, therefore cannot be reliably calculated.

MSD1: Aluminum recovery is high, sample source is four or more times the spike level, therefore cannot be reliably calculated.

Report Narrative (cont'd)

SRM1: Potassium, sodium, and thallium results are less than the reporting limit.

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: Oil Trust Fund Project Number: 10REG161

Data Management Coordinator: Christy Warren

/ /

Data Management Coordinator Signature Date

Date Transmitted: _____/_____/_____

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

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T004-0001-100517-SW-1	1005017-01	Phasic	5/17/10 12:00	05/18/10 17:20
T004-100517-FB-1	1005017-02	Liquid	5/17/10 12:00	05/18/10 17:20
T004-100517-TB-1	1005017-03	Liquid	5/17/10 12:00	05/18/10 17:20
T003-0001-100515-OD-1	1005017-04	Solid	5/15/10 9:56	05/18/10 17:20
T003-0001-100515-SD-1	1005017-05	Liquid	5/15/10 9:56	05/18/10 17:20
T003-0002-100515-MU-1	1005017-06	Solid	5/15/10 10:20	05/18/10 17:20
T003-0003-100515-MU-1	1005017-07	Solid	5/15/10 9:25	05/18/10 17:20
T003-0004-100515-TAR-1	1005017-08	Solid	5/15/10 9:44	05/18/10 17:20
T005-9500-100517-DP-1-H	1005017-09	Liquid	5/17/10 17:25	05/18/10 17:20
T005-9527-100517-DP-1-H	1005017-10	Liquid	5/17/10 17:25	05/18/10 17:20

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Volatiles by EPA Method 8260 - GC/MS (Liquid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Phasic 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		93.5	81-124	05/19/10	05/19/10
Surr: Toluene-d8	48.8		97.5	86-115	"	"
Surr: 4-Bromofluorobenzene	44.6		89.2	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5.0	1	05/19/10	05/19/10
Chloromethane (74-87-3)	U		5.0	"	"	"
Vinyl chloride (75-01-4)	U		2.0	"	"	"
Bromomethane (74-83-9)	U		5.0	"	"	"
Chloroethane (75-00-3)	U		2.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		2.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		2.0	"	"	"
Carbon disulfide (75-15-0)	U		2.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2.0	"	"	"
Acetone (67-64-1)	U		10.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		2.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		2.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		2.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		2.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		2.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2.0	"	"	"
Cyclohexane (110-82-7)	U		2.0	"	"	"
Carbon tetrachloride (56-23-5)	U		2.0	"	"	"
Benzene (71-43-2)	U		2.0	"	"	"
Trichloroethene (79-01-6)	U		2.0	"	"	"
Methylcyclohexane (108-87-2)	U		2.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		2.0	"	"	"
Bromodichloromethane (75-27-4)	U		2.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2.0	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2.0	"	"	"

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Volatiles by EPA Method 8260 - GC/MS (Liquid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Phasic 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		2.0	1	05/19/10	05/19/10
Dibromochloromethane (124-48-1)	U		2.0	"	"	"
Bromoform (75-25-2)	U		2.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		2.0	"	"	"
Tetrachloroethene (127-18-4)	U		2.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		2.0	"	"	"
Chlorobenzene (108-90-7)	U		2.0	"	"	"
Ethylbenzene (100-41-4)	U		2.0	"	"	"
meta-/para-Xylene (na)	U		4.0	"	"	"
ortho-Xylene (95-47-6)	U		2.0	"	"	"
Styrene (100-42-5)	U		2.0	"	"	"
Isopropylbenzene (98-82-8)	U		2.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"

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 (Liquid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Phasic Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E2301 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 5.009 g Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.2		104	82-120	05/22/10	05/22/10
Surr: Toluene-d8	48.7		97.4	81-116	"	"
Surr: 4-Bromofluorobenzene	38.0		76.0 #	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	998	50	05/22/10	05/22/10
Chloromethane (74-87-3)	U	RL	1,250	"	"	"
Vinyl chloride (75-01-4)	U	RL	399	"	"	"
Bromomethane (74-83-9)	U	RL	1,750	"	"	"
Chloroethane (75-00-3)	U	RL	998	"	"	"
Trichlorofluoromethane (75-69-4)	U	RL	200	"	"	"
1,1-Dichloroethene (75-35-4)	U	RL	200	"	"	"
Carbon disulfide (75-15-0)	U	RL	299	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U	RL	200	"	"	"
Acetone (67-64-1)	U		499	"	"	"
Methylene chloride (75-09-2)	U		99.8	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.8	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.8	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.8	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.8	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.8	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.8	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.8	"	"	"
Cyclohexane (110-82-7)	U	RL	200	"	"	"
Carbon tetrachloride (56-23-5)	U		99.8	"	"	"
Benzene (71-43-2)	U		99.8	"	"	"
Trichloroethene (79-01-6)	U		99.8	"	"	"
Methylcyclohexane (108-87-2)	U	RL	299	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.8	"	"	"
Bromodichloromethane (75-27-4)	U		99.8	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.8	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		99.8	"	"	"

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E2301 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 5.009 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		99.8	50	05/22/10	05/22/10
Dibromochloromethane (124-48-1)	U		99.8	"	"	"
Bromoform (75-25-2)	U		99.8	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	U		99.8	"	"	"
Tetrachloroethene (127-18-4)	U		99.8	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.8	"	"	"
Chlorobenzene (108-90-7)	U		99.8	"	"	"
Ethylbenzene (100-41-4)	U		99.8	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		99.8	"	"	"
Styrene (100-42-5)	U		99.8	"	"	"
Isopropylbenzene (98-82-8)	U		99.8	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.8	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.8	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.8	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.8	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E2301 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 5.009 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1913 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.118 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,320,000		104	10-153	05/19/10	05/19/10
Surr: Phenol-d5	1,390,000		109	16-138	"	"
Surr: 2-Chlorophenol-d4	1,330,000		104	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	914,000		108	28-127	"	"
Surr: Nitrobenzene-d5	859,000		101	20-142	"	"
Surr: 2-Fluorobiphenyl	954,000		113	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,290,000		101	10-151	"	"
Surr: Terphenyl-d14	762,000		90.0	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		33,900	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		33,900	"	"	"
Acetophenone (98-86-2)	U		84,700	"	"	"
Anthracene (120-12-7)	U		33,900	"	"	"
Atrazine (1912-24-9)	U		84,700	"	"	"
Benzaldehyde (100-52-7)	U		84,700	"	"	"
Benzoic acid (65-85-0)	U	RL	1,690,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		84,700	"	"	"
Benzo (a) pyrene (50-32-8)	U		84,700	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		84,700	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		84,700	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		84,700	"	"	"
Benzyl alcohol (100-51-6)	U		84,700	"	"	"
1,1'-Biphenyl (92-52-4)	U		84,700	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		84,700	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		84,700	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		84,700	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		84,700	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		84,700	"	"	"
Butyl benzyl phthalate (85-68-7)	U		84,700	"	"	"
Carbazole (86-74-8)	U		84,700	"	"	"
Caprolactam (105-60-2)	U		84,700	"	"	"
4-Chloroaniline (106-47-8)	U		84,700	"	"	"
2-Chloronaphthalene (91-58-7)	U		84,700	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1913 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.118 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		84,700	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		84,700	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		84,700	"	"	"
Chrysene (218-01-9)	U		84,700	"	"	"
Dibenzofuran (132-64-9)	U		84,700	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		84,700	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		84,700	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		84,700	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		84,700	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		84,700	"	"	"
2,4-Dichlorophenol (120-83-2)	U		84,700	"	"	"
Diethyl phthalate (84-66-2)	U		84,700	"	"	"
2,4-Dimethylphenol (105-67-9)	U		84,700	"	"	"
Dimethyl phthalate (131-11-3)	U		84,700	"	"	"
2,4-Dinitrophenol (51-28-5)	U	RL	1,020,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		84,700	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		84,700	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		339,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		84,700	"	"	"
Di-n-octyl phthalate (117-84-0)	U		84,700	"	"	"
Fluoranthene (206-44-0)	U		33,900	"	"	"
Fluorene (86-73-7)	U		33,900	"	"	"
Hexachlorobenzene (118-74-1)	U		84,700	"	"	"
Hexachlorobutadiene (87-68-3)	U		84,700	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		84,700	"	"	"
Hexachloroethane (67-72-1)	U		84,700	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		84,700	"	"	"
Isophorone (78-59-1)	U		84,700	"	"	"
2-Methylnaphthalene (91-57-6)	U		33,900	"	"	"
2-Methylphenol (95-48-7)	U		84,700	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		84,700	"	"	"
Naphthalene (91-20-3)	U		33,900	"	"	"
2-Nitroaniline (88-74-4)	U		136,000	"	"	"
3-Nitroaniline (99-09-2)	U		136,000	"	"	"
4-Nitroaniline (100-01-6)	U		136,000	"	"	"
Nitrobenzene (98-95-3)	U		84,700	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1913 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.118 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		84,700	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		220,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		84,700	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		84,700	"	"	"
Pentachlorophenol (87-86-5)	U		84,700	"	"	"
Phenanthrene (85-01-8)	U		33,900	"	"	"
Phenol (108-95-2)	U		84,700	"	"	"
Pyrene (129-00-0)	U		33,900	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		84,700	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		84,700	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		84,700	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1913 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.118 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Heptadecane (629-78-7)	**1,500,000**		7.61	1	05/19/10	05/19/10
Octadecane (593-45-3)	**1,800,000**		8.09	"	"	"
Hexadecane, 2,6,10,14-tetramethyl- (638-36-8)	**900,000**		8.13	"	"	"
Nonadecane (629-92-5)	**2,100,000**		8.54	"	"	"
Eicosane (112-95-8)	**2,100,000**		8.98	"	"	"
Heneicosane (629-94-7)	**1,700,000**		9.38	"	"	"
Docosane (629-97-0)	**1,300,000**		9.78	"	"	"
Tricosane (638-67-5)	**1,000,000**		10.15	"	"	"
Tetracosane (646-31-1)	**960,000**		10.52	"	"	"
Pentacosane (629-99-2)	**840,000**		10.87	"	"	"

Total # of TICs: 10

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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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1902 Date Collected: 05/17/10
Sample Type: Phasic Sample Volume: 1 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	U		0.5	1	05/19/10	05/19/10
Di(propylene glycol)butyl ether (29911-28-2)	U		0.5	"	"	"
Propylene glycol (57-55-6)	U		0.5	"	"	"

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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E1919 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.12 g Sample Qualifiers:

Surrogates

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	7,580		114	70-130	05/19/10	05/20/10

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	**76,600**		41,700	10	05/19/10	05/20/10
Oil Range Organics (NA)	**48,900**	**K**	8,330	1	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E2002 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.501 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**111**		10.0	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		6.0	"	"	"
Arsenic (7440-38-2)	U		10.0	"	"	"
Barium (7440-39-3)	**4.4**		1.0	"	"	"
Beryllium (7440-41-7)	U		0.5	"	"	"
Cadmium (7440-43-9)	U		0.5	"	"	"
Calcium (7440-70-2)	**927**		15.0	"	"	"
Chromium (7440-47-3)	U		1.0	"	"	"
Cobalt (7440-48-4)	U		2.0	"	"	"
Copper (7440-50-8)	U		2.0	"	"	"
Iron (7439-89-6)	**207**		2.5	"	"	"
Lead (7439-92-1)	U		3.0	"	"	"
Magnesium (7439-95-4)	**671**		15.0	"	"	"
Manganese (7439-96-5)	**5.7**		0.5	"	"	"
Nickel (7440-02-2)	U		2.0	"	"	"
Potassium (7440-09-7)	**138**		99.8	"	"	"
Selenium (7782-49-2)	U		10.0	"	"	"
Silver (7440-22-4)	U		1.0	"	"	"
Sodium (7440-23-5)	**2,530**		49.9	"	"	"
Thallium (7440-28-0)	U		10.0	"	"	"
Vanadium (7440-62-2)	U		2.0	"	"	"
Zinc (7440-66-6)	**2.4**		2.0	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-01 **Station ID: T004-0001-100517-SW-1**

Batch: B0E2101 Date Collected: 05/17/10
Sample Type: Phasic Sample Weight: 0.129 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.05	1	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1922 Date Collected: 05/17/10
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	47.6		95.2	81-124	05/19/10	05/19/10
Surr: Toluene-d8	49.3		98.6	86-115	"	"
Surr: 4-Bromofluorobenzene	44.7		89.4	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5.0	1	05/19/10	05/19/10
Chloromethane (74-87-3)	U		5.0	"	"	"
Vinyl chloride (75-01-4)	U		2.0	"	"	"
Bromomethane (74-83-9)	U		5.0	"	"	"
Chloroethane (75-00-3)	U		2.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		2.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		2.0	"	"	"
Carbon disulfide (75-15-0)	U		2.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2.0	"	"	"
Acetone (67-64-1)	U		10.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		2.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		2.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		2.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		2.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		2.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2.0	"	"	"
Cyclohexane (110-82-7)	U		2.0	"	"	"
Carbon tetrachloride (56-23-5)	U		2.0	"	"	"
Benzene (71-43-2)	U		2.0	"	"	"
Trichloroethene (79-01-6)	U		2.0	"	"	"
Methylcyclohexane (108-87-2)	U		2.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		2.0	"	"	"
Bromodichloromethane (75-27-4)	U		2.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2.0	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2.0	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1922 Date Collected: 05/17/10
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		2.0	1	05/19/10	05/19/10
Dibromochloromethane (124-48-1)	U		2.0	"	"	"
Bromoform (75-25-2)	U		2.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		2.0	"	"	"
Tetrachloroethene (127-18-4)	U		2.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		2.0	"	"	"
Chlorobenzene (108-90-7)	U		2.0	"	"	"
Ethylbenzene (100-41-4)	U		2.0	"	"	"
meta-/para-Xylene (na)	U		4.0	"	"	"
ortho-Xylene (95-47-6)	U		2.0	"	"	"
Styrene (100-42-5)	U		2.0	"	"	"
Isopropylbenzene (98-82-8)	U		2.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"

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: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1904 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 994 ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	72.2		95.7	41-121	05/19/10	05/19/10
Surr: Phenol-d5	76.2		101	43-118	"	"
Surr: 2-Chlorophenol-d4	71.0		94.1	46-123	"	"
Surr: 1,2-Dichlorobenzene-d4	41.6		82.7	35-110	"	"
Surr: Nitrobenzene-d5	52.8		105	44-127	"	"
Surr: 2-Fluorobiphenyl	49.7		98.8	45-115	"	"
Surr: 2,4,6-Tribromophenol	80.5		107	55-139	"	"
Surr: Terphenyl-d14	46.3		92.0	63-131	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		2.0	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		5.0	"	"	"
Anthracene (120-12-7)	U		2.0	"	"	"
Atrazine (1912-24-9)	U		5.0	"	"	"
Benzaldehyde (100-52-7)	U		5.0	"	"	"
Benzoic acid (65-85-0)	U		10.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		5.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		5.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		5.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		5.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		5.0	"	"	"
Benzyl alcohol (100-51-6)	U		5.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		5.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		5.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		5.0	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		5.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		5.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		5.0	"	"	"
Butyl benzyl phthalate (85-68-7)	U		5.0	"	"	"
Carbazole (86-74-8)	U		5.0	"	"	"
Caprolactam (105-60-2)	U		5.0	"	"	"
4-Chloroaniline (106-47-8)	U		5.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		5.0	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1904 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 994 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		5.0	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		5.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		5.0	"	"	"
Chrysene (218-01-9)	U		5.0	"	"	"
Dibenzofuran (132-64-9)	U		5.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		5.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		5.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		5.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		5.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		5.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		5.0	"	"	"
Diethyl phthalate (84-66-2)	U		5.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		5.0	"	"	"
Dimethyl phthalate (131-11-3)	U		5.0	"	"	"
2,4-Dinitrophenol (51-28-5)	U		20.1	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		5.0	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		5.0	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		20.1	"	"	"
Di-n-butyl phthalate (84-74-2)	U		5.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		5.0	"	"	"
Fluoranthene (206-44-0)	U		2.0	"	"	"
Fluorene (86-73-7)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		5.0	"	"	"
Hexachlorobutadiene (87-68-3)	U		5.0	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		5.0	"	"	"
Hexachloroethane (67-72-1)	U		5.0	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		5.0	"	"	"
Isophorone (78-59-1)	U		5.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		5.0	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		5.0	"	"	"
Naphthalene (91-20-3)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		8.0	"	"	"
3-Nitroaniline (99-09-2)	U		8.0	"	"	"
4-Nitroaniline (100-01-6)	U		8.0	"	"	"
Nitrobenzene (98-95-3)	U		5.0	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1904 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 994 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		5.0	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		13.1	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		5.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		5.0	"	"	"
Pentachlorophenol (87-86-5)	U		5.0	"	"	"
Phenanthrene (85-01-8)	U		2.0	"	"	"
Phenol (108-95-2)	U		5.0	"	"	"
Pyrene (129-00-0)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		5.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		5.0	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1904 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 994 ml Sample Qualifiers: **A**

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1902 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	U		0.5	1	05/19/10	05/19/10
Di(propylene glycol)butyl ether (29911-28-2)	U		0.5	"	"	"
Propylene glycol (57-55-6)	U		0.5	"	"	"

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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E1905 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 982 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	378		92.8	70-130	05/19/10	05/19/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	U		509	1	05/19/10	05/19/10
Oil Range Organics (NA)	U		509	"	"	05/20/10

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E2001 Date Collected: 05/17/10
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		100	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		60.0	"	"	"
Arsenic (7440-38-2)	U		100	"	"	"
Barium (7440-39-3)	U		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	U		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**34.2**		25.0	"	"	"
Lead (7439-92-1)	U		30.0	"	"	"
Magnesium (7439-95-4)	U		150	"	"	"
Manganese (7439-96-5)	U		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	U		1,000	"	"	"
Selenium (7782-49-2)	U		100	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	U		500	"	"	"
Thallium (7440-28-0)	U		100	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-02 **Station ID: T004-100517-FB-1**

Batch: B0E2103 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 25 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	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-03 **Station ID: T004-100517-TB-1**

Batch: B0E1922 Date Collected: 05/17/10
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	45.3		90.6	81-124	05/19/10	05/19/10
Surr: Toluene-d8	49.2		98.5	86-115	"	"
Surr: 4-Bromofluorobenzene	46.0		92.0	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5.0	1	05/19/10	05/19/10
Chloromethane (74-87-3)	U		5.0	"	"	"
Vinyl chloride (75-01-4)	U		2.0	"	"	"
Bromomethane (74-83-9)	U		5.0	"	"	"
Chloroethane (75-00-3)	U		2.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		2.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		2.0	"	"	"
Carbon disulfide (75-15-0)	U		2.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2.0	"	"	"
Acetone (67-64-1)	U		10.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		2.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		2.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		2.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		2.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		2.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2.0	"	"	"
Cyclohexane (110-82-7)	U		2.0	"	"	"
Carbon tetrachloride (56-23-5)	U		2.0	"	"	"
Benzene (71-43-2)	U		2.0	"	"	"
Trichloroethene (79-01-6)	U		2.0	"	"	"
Methylcyclohexane (108-87-2)	U		2.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		2.0	"	"	"
Bromodichloromethane (75-27-4)	U		2.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2.0	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2.0	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-03 **Station ID: T004-100517-TB-1**

Batch: B0E1922 Date Collected: 05/17/10
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		2.0	1	05/19/10	05/19/10
Dibromochloromethane (124-48-1)	U		2.0	"	"	"
Bromoform (75-25-2)	U		2.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		2.0	"	"	"
Tetrachloroethene (127-18-4)	U		2.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		2.0	"	"	"
Chlorobenzene (108-90-7)	U		2.0	"	"	"
Ethylbenzene (100-41-4)	U		2.0	"	"	"
meta-/para-Xylene (na)	U		4.0	"	"	"
ortho-Xylene (95-47-6)	U		2.0	"	"	"
Styrene (100-42-5)	U		2.0	"	"	"
Isopropylbenzene (98-82-8)	U		2.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"

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: 1005017-03 **Station ID: T004-100517-TB-1**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 4.991 g Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	52.0		104	82-120	05/20/10	05/21/10
Surr: Toluene-d8	49.8		99.5	81-116	"	"
Surr: 4-Bromofluorobenzene	38.7		77.4 #	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		250	50	05/20/10	05/21/10
Chloromethane (74-87-3)	U		250	"	"	"
Vinyl chloride (75-01-4)	U		100	"	"	"
Bromomethane (74-83-9)	U	RL	1,000	"	"	"
Chloroethane (75-00-3)	U	RL	401	"	"	"
Trichlorofluoromethane (75-69-4)	U		100	"	"	"
1,1-Dichloroethene (75-35-4)	U		100	"	"	"
Carbon disulfide (75-15-0)	U		100	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		100	"	"	"
Acetone (67-64-1)	U		501	"	"	"
Methylene chloride (75-09-2)	U		100	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		100	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		100	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		100	"	"	"
1,1-Dichloroethane (75-34-3)	U		100	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		100	"	"	"
1,2-Dichloroethane (107-06-2)	U		100	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		100	"	"	"
Cyclohexane (110-82-7)	U		100	"	"	"
Carbon tetrachloride (56-23-5)	U		100	"	"	"
Benzene (71-43-2)	U		100	"	"	"
Trichloroethene (79-01-6)	U		100	"	"	"
Methylcyclohexane (108-87-2)	U		100	"	"	"
1,2-Dichloropropane (78-87-5)	U		100	"	"	"
Bromodichloromethane (75-27-4)	U		100	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		100	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		100	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 4.991 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		100	50	05/20/10	05/21/10
Dibromochloromethane (124-48-1)	U		100	"	"	"
Bromoform (75-25-2)	U		100	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	U		100	"	"	"
Tetrachloroethene (127-18-4)	U		100	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		100	"	"	"
Chlorobenzene (108-90-7)	U		100	"	"	"
Ethylbenzene (100-41-4)	U		100	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		100	"	"	"
Styrene (100-42-5)	U		100	"	"	"
Isopropylbenzene (98-82-8)	U		100	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		100	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		100	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		100	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		100	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 4.991 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.122 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg(dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	995,000		80.9	10-153	05/19/10	05/19/10
Surr: Phenol-d5	1,090,000		89.0	16-138	"	"
Surr: 2-Chlorophenol-d4	1,060,000		85.9	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	733,000		89.4	28-127	"	"
Surr: Nitrobenzene-d5	704,000		85.9	20-142	"	"
Surr: 2-Fluorobiphenyl	748,000		91.2	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,100,000		89.6	10-151	"	"
Surr: Terphenyl-d14	594,000		72.4	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		32,800	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		32,800	"	"	"
Acetophenone (98-86-2)	U		82,000	"	"	"
Anthracene (120-12-7)	U		32,800	"	"	"
Atrazine (1912-24-9)	U		82,000	"	"	"
Benzaldehyde (100-52-7)	U		82,000	"	"	"
Benzoic acid (65-85-0)	U		164,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		82,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		82,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		82,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		82,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		82,000	"	"	"
Benzyl alcohol (100-51-6)	U		82,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		82,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		82,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		82,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		82,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		82,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		82,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		82,000	"	"	"
Carbazole (86-74-8)	U		82,000	"	"	"
Caprolactam (105-60-2)	U		82,000	"	"	"
4-Chloroaniline (106-47-8)	U		82,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		82,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.122 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		82,000	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		82,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		82,000	"	"	"
Chrysene (218-01-9)	U		82,000	"	"	"
Dibenzofuran (132-64-9)	U		82,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		82,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		82,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		82,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		82,000	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		82,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		82,000	"	"	"
Diethyl phthalate (84-66-2)	U		82,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		82,000	"	"	"
Dimethyl phthalate (131-11-3)	U		82,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		328,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		82,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		82,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		328,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		82,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		82,000	"	"	"
Fluoranthene (206-44-0)	U		32,800	"	"	"
Fluorene (86-73-7)	U		32,800	"	"	"
Hexachlorobenzene (118-74-1)	U		82,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		82,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		82,000	"	"	"
Hexachloroethane (67-72-1)	U		82,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		82,000	"	"	"
Isophorone (78-59-1)	U		82,000	"	"	"
2-Methylnaphthalene (91-57-6)	U		32,800	"	"	"
2-Methylphenol (95-48-7)	U		82,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		82,000	"	"	"
Naphthalene (91-20-3)	U		32,800	"	"	"
2-Nitroaniline (88-74-4)	U		131,000	"	"	"
3-Nitroaniline (99-09-2)	U		131,000	"	"	"
4-Nitroaniline (100-01-6)	U		131,000	"	"	"
Nitrobenzene (98-95-3)	U		82,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.122 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		82,000	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		213,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		82,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		82,000	"	"	"
Pentachlorophenol (87-86-5)	U		82,000	"	"	"
Phenanthrene (85-01-8)	U		32,800	"	"	"
Phenol (108-95-2)	U		82,000	"	"	"
Pyrene (129-00-0)	U		32,800	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		82,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		82,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		82,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.122 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Octadecane (593-45-3)	**1,300,000**		8.09	1	05/19/10	05/19/10
Nonadecane (629-92-5)	**1,800,000**		8.54	"	"	"
Eicosane (112-95-8)	**2,000,000**		8.98	"	"	"
Heneicosane (629-94-7)	**1,800,000**		9.39	"	"	"
Docosane (629-97-0)	**1,500,000**		9.78	"	"	"
Tricosane (638-67-5)	**1,200,000**		10.16	"	"	"
Tetracosane (646-31-1)	**1,100,000**		10.52	"	"	"
Pentacosane (629-99-2)	**990,000**		10.87	"	"	"
Hexacosane (630-01-3)	**810,000**		11.21	"	"	"
Octacosane (630-02-4)	**750,000**		11.89	"	"	"

Total # of TICs: 10

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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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E1919 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.129 g Sample Qualifiers:

Surrogates

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	7,350		119	70-130	05/19/10	05/20/10

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	**87,400**		77,500	10	05/19/10	05/20/10
Oil Range Organics (NA)	**87,500**	**K**	7,750	1	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E2002 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.517 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**736**		9.7	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		5.8	"	"	"
Arsenic (7440-38-2)	U		9.7	"	"	"
Barium (7440-39-3)	**8.9**		1.0	"	"	"
Beryllium (7440-41-7)	U		0.5	"	"	"
Cadmium (7440-43-9)	U		0.5	"	"	"
Calcium (7440-70-2)	**2,610**		14.5	"	"	"
Chromium (7440-47-3)	**1.9**		1.0	"	"	"
Cobalt (7440-48-4)	U		1.9	"	"	"
Copper (7440-50-8)	**1.9**		1.9	"	"	"
Iron (7439-89-6)	**1,450**		2.4	"	"	"
Lead (7439-92-1)	U		2.9	"	"	"
Magnesium (7439-95-4)	**1,500**		14.5	"	"	"
Manganese (7439-96-5)	**23.3**		0.5	"	"	"
Nickel (7440-02-2)	**3.5**		1.9	"	"	"
Potassium (7440-09-7)	**277**		96.7	"	"	"
Selenium (7782-49-2)	U		9.7	"	"	"
Silver (7440-22-4)	U		1.0	"	"	"
Sodium (7440-23-5)	**2,530**		48.4	"	"	"
Thallium (7440-28-0)	U		9.7	"	"	"
Vanadium (7440-62-2)	**3.5**		1.9	"	"	"
Zinc (7440-66-6)	**6.8**		1.9	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-04 **Station ID: T003-0001-100515-OD-1**

Batch: B0E2101 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.108 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.06	1	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E1922 Date Collected: 05/15/10
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	48.2		96.5	81-124	05/19/10	05/19/10
Surr: Toluene-d8	50.2		100	86-115	"	"
Surr: 4-Bromofluorobenzene	46.2		92.4	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		5.0	1	05/19/10	05/19/10
Chloromethane (74-87-3)	U		5.0	"	"	"
Vinyl chloride (75-01-4)	U		2.0	"	"	"
Bromomethane (74-83-9)	U		5.0	"	"	"
Chloroethane (75-00-3)	U		2.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		2.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		2.0	"	"	"
Carbon disulfide (75-15-0)	U		2.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		2.0	"	"	"
Acetone (67-64-1)	U		10.0	"	"	"
Methylene chloride (75-09-2)	**9.8**	**B**	2.0	"	"	"
Methyl acetate (79-20-9)	U		2.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		2.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		2.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		2.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		2.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		2.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		2.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		2.0	"	"	"
Cyclohexane (110-82-7)	U		2.0	"	"	"
Carbon tetrachloride (56-23-5)	U		2.0	"	"	"
Benzene (71-43-2)	U		2.0	"	"	"
Trichloroethene (79-01-6)	U		2.0	"	"	"
Methylcyclohexane (108-87-2)	U		2.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		2.0	"	"	"
Bromodichloromethane (75-27-4)	U		2.0	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		2.0	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		2.0	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E1922 Date Collected: 05/15/10
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		2.0	1	05/19/10	05/19/10
Dibromochloromethane (124-48-1)	U		2.0	"	"	"
Bromoform (75-25-2)	U		2.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		2.0	"	"	"
Tetrachloroethene (127-18-4)	U		2.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		2.0	"	"	"
Chlorobenzene (108-90-7)	U		2.0	"	"	"
Ethylbenzene (100-41-4)	U		2.0	"	"	"
meta-/para-Xylene (na)	U		4.0	"	"	"
ortho-Xylene (95-47-6)	U		2.0	"	"	"
Styrene (100-42-5)	U		2.0	"	"	"
Isopropylbenzene (98-82-8)	U		2.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		5.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		5.0	"	"	"

This sample was received at pH 7.
If biological activity is present, then aromatics may be biased low.

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E1922 Date Collected: 05/15/10
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E1902 Date Collected: 05/15/10
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	U		0.5	1	05/19/10	05/19/10
Di(propylene glycol)butyl ether (29911-28-2)	U		0.5	"	"	"
Propylene glycol (57-55-6)	U		0.5	"	"	"

Metals by EPA Method 6010B - ICP

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E2001 Date Collected: 05/15/10
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**43,500**		1,000	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		600	"	"	"
Arsenic (7440-38-2)	U		1,000	"	"	"
Barium (7440-39-3)	**556**		100	"	"	"
Beryllium (7440-41-7)	U		50.0	"	"	"
Cadmium (7440-43-9)	U		50.0	"	"	"
Calcium (7440-70-2)	**261,000**		1,500	"	"	"
Chromium (7440-47-3)	U		100	"	"	"
Cobalt (7440-48-4)	U		200	"	"	"
Copper (7440-50-8)	U		200	"	"	"
Iron (7439-89-6)	**40,700**		250	"	"	"
Lead (7439-92-1)	U		300	"	"	"
Magnesium (7439-95-4)	**738,000**		1,500	"	"	"
Manganese (7439-96-5)	**903**		50.0	"	"	"
Nickel (7440-02-2)	U		200	"	"	"
Potassium (7440-09-7)	**226,000**		10,000	"	"	"
Selenium (7782-49-2)	U		1,000	"	"	"
Silver (7440-22-4)	U		100	"	"	"
Sodium (7440-23-5)	**5,610,000**		5,000	"	"	"
Thallium (7440-28-0)	U		1,000	"	"	"
Vanadium (7440-62-2)	U		200	"	"	"
Zinc (7440-66-6)	U		200	"	"	"

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Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-05 **Station ID: T003-0001-100515-SD-1**

Batch: B0E2103 Date Collected: 05/15/10
Sample Type: Liquid Sample Volume: 2 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		2.50	12.5	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.158 g Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	51.7		103	82-120	05/20/10	05/21/10
Surr: Toluene-d8	49.4		98.7	81-116	"	"
Surr: 4-Bromofluorobenzene	37.8		75.7 #	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		242	50	05/20/10	05/21/10
Chloromethane (74-87-3)	U		242	"	"	"
Vinyl chloride (75-01-4)	U		96.9	"	"	"
Bromomethane (74-83-9)	U	RL	969	"	"	"
Chloroethane (75-00-3)	U	RL	388	"	"	"
Trichlorofluoromethane (75-69-4)	U		96.9	"	"	"
1,1-Dichloroethene (75-35-4)	U		96.9	"	"	"
Carbon disulfide (75-15-0)	U		96.9	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		96.9	"	"	"
Acetone (67-64-1)	U		485	"	"	"
Methylene chloride (75-09-2)	U		96.9	"	"	"
Methyl acetate (79-20-9)	U		242	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		96.9	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		96.9	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		96.9	"	"	"
1,1-Dichloroethane (75-34-3)	U		96.9	"	"	"
2-Butanone (78-93-3)	U		242	"	"	"
Chloroform (67-66-3)	U		96.9	"	"	"
1,2-Dichloroethane (107-06-2)	U		96.9	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		96.9	"	"	"
Cyclohexane (110-82-7)	U		96.9	"	"	"
Carbon tetrachloride (56-23-5)	U		96.9	"	"	"
Benzene (71-43-2)	U		96.9	"	"	"
Trichloroethene (79-01-6)	U		96.9	"	"	"
Methylcyclohexane (108-87-2)	U		96.9	"	"	"
1,2-Dichloropropane (78-87-5)	U		96.9	"	"	"
Bromodichloromethane (75-27-4)	U		96.9	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		96.9	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		96.9	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.158 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		96.9	50	05/20/10	05/21/10
Dibromochloromethane (124-48-1)	U		96.9	"	"	"
Bromoform (75-25-2)	U		96.9	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		242	"	"	"
Toluene (108-88-3)	U		96.9	"	"	"
Tetrachloroethene (127-18-4)	U		96.9	"	"	"
2-Hexanone (591-78-6)	U		242	"	"	"
1,2-Dibromoethane (106-93-4)	U		96.9	"	"	"
Chlorobenzene (108-90-7)	U		96.9	"	"	"
Ethylbenzene (100-41-4)	U		96.9	"	"	"
meta-/para-Xylene (na)	U		194	"	"	"
ortho-Xylene (95-47-6)	U		96.9	"	"	"
Styrene (100-42-5)	U		96.9	"	"	"
Isopropylbenzene (98-82-8)	U		96.9	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		96.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		96.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		96.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		96.9	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		242	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		242	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.158 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.115 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg(dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,220,000		93.3	10-153	05/19/10	05/19/10
Surr: Phenol-d5	1,350,000		103	16-138	"	"
Surr: 2-Chlorophenol-d4	1,300,000		99.8	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	911,000		105	28-127	"	"
Surr: Nitrobenzene-d5	866,000		99.5	20-142	"	"
Surr: 2-Fluorobiphenyl	915,000		105	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,310,000		100	10-151	"	"
Surr: Terphenyl-d14	743,000		85.5	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		34,800	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		34,800	"	"	"
Acetophenone (98-86-2)	U		87,000	"	"	"
Anthracene (120-12-7)	U		34,800	"	"	"
Atrazine (1912-24-9)	U		87,000	"	"	"
Benzaldehyde (100-52-7)	U		87,000	"	"	"
Benzoic acid (65-85-0)	U		174,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		87,000	"	"	"
Benzo (a) pyrene (50-32-8)	U		87,000	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		87,000	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		87,000	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		87,000	"	"	"
Benzyl alcohol (100-51-6)	U		87,000	"	"	"
1,1'-Biphenyl (92-52-4)	U		87,000	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		87,000	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		87,000	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		87,000	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		87,000	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		87,000	"	"	"
Butyl benzyl phthalate (85-68-7)	U		87,000	"	"	"
Carbazole (86-74-8)	U		87,000	"	"	"
Caprolactam (105-60-2)	U		87,000	"	"	"
4-Chloroaniline (106-47-8)	U		87,000	"	"	"
2-Chloronaphthalene (91-58-7)	U		87,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.115 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		87,000	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		87,000	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		87,000	"	"	"
Chrysene (218-01-9)	U		87,000	"	"	"
Dibenzofuran (132-64-9)	U		87,000	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		87,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		87,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		87,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		87,000	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		87,000	"	"	"
2,4-Dichlorophenol (120-83-2)	U		87,000	"	"	"
Diethyl phthalate (84-66-2)	U		87,000	"	"	"
2,4-Dimethylphenol (105-67-9)	U		87,000	"	"	"
Dimethyl phthalate (131-11-3)	U		87,000	"	"	"
2,4-Dinitrophenol (51-28-5)	U		348,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		87,000	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		87,000	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		348,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		87,000	"	"	"
Di-n-octyl phthalate (117-84-0)	U		87,000	"	"	"
Fluoranthene (206-44-0)	U		34,800	"	"	"
Fluorene (86-73-7)	U		34,800	"	"	"
Hexachlorobenzene (118-74-1)	U		87,000	"	"	"
Hexachlorobutadiene (87-68-3)	U		87,000	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		87,000	"	"	"
Hexachloroethane (67-72-1)	U		87,000	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		87,000	"	"	"
Isophorone (78-59-1)	U		87,000	"	"	"
2-Methylnaphthalene (91-57-6)	U		34,800	"	"	"
2-Methylphenol (95-48-7)	U		87,000	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		87,000	"	"	"
Naphthalene (91-20-3)	U		34,800	"	"	"
2-Nitroaniline (88-74-4)	U		139,000	"	"	"
3-Nitroaniline (99-09-2)	U		139,000	"	"	"
4-Nitroaniline (100-01-6)	U		139,000	"	"	"
Nitrobenzene (98-95-3)	U		87,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.115 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		87,000	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		226,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		87,000	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		87,000	"	"	"
Pentachlorophenol (87-86-5)	U		87,000	"	"	"
Phenanthrene (85-01-8)	U		34,800	"	"	"
Phenol (108-95-2)	U		87,000	"	"	"
Pyrene (129-00-0)	U		34,800	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		87,000	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		87,000	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		87,000	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.115 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Heptadecane (629-78-7)	**390,000**		7.60	1	05/19/10	05/19/10
Octadecane (593-45-3)	**650,000**		8.08	"	"	"
Nonadecane (629-92-5)	**850,000**		8.53	"	"	"
Eicosane (112-95-8)	**910,000**		8.97	"	"	"
Heneicosane (629-94-7)	**790,000**		9.37	"	"	"
Docosane (629-97-0)	**810,000**		9.77	"	"	"
Tricosane (638-67-5)	**670,000**		10.15	"	"	"
Tetracosane (646-31-1)	**600,000**		10.51	"	"	"
Pentacosane (629-99-2)	**550,000**		10.86	"	"	"
Hexacosane (630-01-3)	**410,000**		11.20	"	"	"

Total # of TICs: 10

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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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E1919 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.142 g Sample Qualifiers:

Surrogates

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	5,670		101	70-130	05/19/10	05/20/10

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	**28,500**		7,040	1	05/19/10	05/20/10
Oil Range Organics (NA)	**21,300**	**K**	7,040	"	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E2002 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.514 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**1,180**		9.7	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		5.8	"	"	"
Arsenic (7440-38-2)	U		9.7	"	"	"
Barium (7440-39-3)	**9.8**		1.0	"	"	"
Beryllium (7440-41-7)	U		0.5	"	"	"
Cadmium (7440-43-9)	U		0.5	"	"	"
Calcium (7440-70-2)	**2,700**		14.6	"	"	"
Chromium (7440-47-3)	**3.0**		1.0	"	"	"
Cobalt (7440-48-4)	**1.9**		1.9	"	"	"
Copper (7440-50-8)	U		1.9	"	"	"
Iron (7439-89-6)	**2,820**		2.4	"	"	"
Lead (7439-92-1)	U		2.9	"	"	"
Magnesium (7439-95-4)	**1,730**		14.6	"	"	"
Manganese (7439-96-5)	**34.9**		0.5	"	"	"
Nickel (7440-02-2)	**4.8**		1.9	"	"	"
Potassium (7440-09-7)	**377**		97.3	"	"	"
Selenium (7782-49-2)	U		9.7	"	"	"
Silver (7440-22-4)	U		1.0	"	"	"
Sodium (7440-23-5)	**2,260**		48.6	"	"	"
Thallium (7440-28-0)	U		9.7	"	"	"
Vanadium (7440-62-2)	**6.5**		1.9	"	"	"
Zinc (7440-66-6)	**9.9**		1.9	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-06 **Station ID: T003-0002-100515-MU-1**

Batch: B0E2101 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.111 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.06	1	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.008 g Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	48.0		96.1	82-120	05/20/10	05/21/10
Surr: Toluene-d8	49.8		99.7	81-116	"	"
Surr: 4-Bromofluorobenzene	38.5		77.0 #	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U	RL	1,250	50	05/20/10	05/21/10
Chloromethane (74-87-3)	U	RL	749	"	"	"
Vinyl chloride (75-01-4)	U	RL	300	"	"	"
Bromomethane (74-83-9)	U	RL	1,500	"	"	"
Chloroethane (75-00-3)	U	RL	699	"	"	"
Trichlorofluoromethane (75-69-4)	U	RL	200	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.8	"	"	"
Carbon disulfide (75-15-0)	U	RL	200	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U	RL	200	"	"	"
Acetone (67-64-1)	U		499	"	"	"
Methylene chloride (75-09-2)	U		99.8	"	"	"
Methyl acetate (79-20-9)	U		250	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.8	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.8	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.8	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.8	"	"	"
2-Butanone (78-93-3)	U		250	"	"	"
Chloroform (67-66-3)	U		99.8	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.8	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.8	"	"	"
Cyclohexane (110-82-7)	U		99.8	"	"	"
Carbon tetrachloride (56-23-5)	U		99.8	"	"	"
Benzene (71-43-2)	U		99.8	"	"	"
Trichloroethene (79-01-6)	U		99.8	"	"	"
Methylcyclohexane (108-87-2)	U	RL	200	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.8	"	"	"
Bromodichloromethane (75-27-4)	U		99.8	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.8	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		99.8	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.008 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		99.8	50	05/20/10	05/21/10
Dibromochloromethane (124-48-1)	U		99.8	"	"	"
Bromoform (75-25-2)	U		99.8	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		250	"	"	"
Toluene (108-88-3)	U		99.8	"	"	"
Tetrachloroethene (127-18-4)	U		99.8	"	"	"
2-Hexanone (591-78-6)	U		250	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.8	"	"	"
Chlorobenzene (108-90-7)	U		99.8	"	"	"
Ethylbenzene (100-41-4)	U		99.8	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		99.8	"	"	"
Styrene (100-42-5)	U		99.8	"	"	"
Isopropylbenzene (98-82-8)	U		99.8	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.8	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.8	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.8	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.8	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		250	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		250	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.008 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1921
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 5.034 g
%Solids: 84.51

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg(dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	14,000		79.2	32-105	05/19/10	05/19/10
Surr: Phenol-d5	15,300		86.6	39-104	"	"
Surr: 2-Chlorophenol-d4	13,300		75.7	38-105	"	"
Surr: 1,2-Dichlorobenzene-d4	8,070		68.7	37-103	"	"
Surr: Nitrobenzene-d5	9,350		79.5	39-109	"	"
Surr: 2-Fluorobiphenyl	10,100		85.6	44-107	"	"
Surr: 2,4,6-Tribromophenol	15,200		86.2	38-126	"	"
Surr: Terphenyl-d14	10,300		88.1	56-127	"	"

Targets

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		470	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		470	"	"	"
Acetophenone (98-86-2)	U		1,180	"	"	"
Anthracene (120-12-7)	U		470	"	"	"
Atrazine (1912-24-9)	U		1,180	"	"	"
Benzaldehyde (100-52-7)	U		1,180	"	"	"
Benzoic acid (65-85-0)	U		2,350	"	"	"
Benzo (a) anthracene (56-55-3)	U		1,180	"	"	"
Benzo (a) pyrene (50-32-8)	U		1,180	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1,180	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1,180	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1,180	"	"	"
Benzyl alcohol (100-51-6)	U		1,180	"	"	"
1,1'-Biphenyl (92-52-4)	U		1,180	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1,180	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1,180	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		1,180	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1,180	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1,180	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1,180	"	"	"
Carbazole (86-74-8)	U		1,180	"	"	"
Caprolactam (105-60-2)	U		1,180	"	"	"
4-Chloroaniline (106-47-8)	U		1,180	"	"	"
2-Chloronaphthalene (91-58-7)	U		1,180	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1921
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 5.034 g
%Solids: 84.51

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		1,180	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		1,180	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1,180	"	"	"
Chrysene (218-01-9)	U		1,180	"	"	"
Dibenzofuran (132-64-9)	U		1,180	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1,180	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1,180	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1,180	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1,180	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1,180	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1,180	"	"	"
Diethyl phthalate (84-66-2)	U		1,180	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1,180	"	"	"
Dimethyl phthalate (131-11-3)	U		1,180	"	"	"
2,4-Dinitrophenol (51-28-5)	U		4,700	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1,180	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1,180	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		4,700	"	"	"
Di-n-butyl phthalate (84-74-2)	U		1,180	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1,180	"	"	"
Fluoranthene (206-44-0)	U		470	"	"	"
Fluorene (86-73-7)	U		470	"	"	"
Hexachlorobenzene (118-74-1)	U		1,180	"	"	"
Hexachlorobutadiene (87-68-3)	U		1,180	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1,180	"	"	"
Hexachloroethane (67-72-1)	U		1,180	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1,180	"	"	"
Isophorone (78-59-1)	U		1,180	"	"	"
2-Methylnaphthalene (91-57-6)	U		470	"	"	"
2-Methylphenol (95-48-7)	U		1,180	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		1,180	"	"	"
Naphthalene (91-20-3)	U		470	"	"	"
2-Nitroaniline (88-74-4)	U		1,880	"	"	"
3-Nitroaniline (99-09-2)	U		1,880	"	"	"
4-Nitroaniline (100-01-6)	U		1,880	"	"	"
Nitrobenzene (98-95-3)	U		1,180	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1921
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 5.034 g
%Solids: 84.51

Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		1,180	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		3,060	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		1,180	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1,180	"	"	"
Pentachlorophenol (87-86-5)	U		1,180	"	"	"
Phenanthrene (85-01-8)	U		470	"	"	"
Phenol (108-95-2)	U		1,180	"	"	"
Pyrene (129-00-0)	U		470	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1,180	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1,180	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1,180	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1921
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 5.034 g
%Solids: 84.51

Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg dry	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Tricosane (638-67-5)	**1,300**		10.47	1	05/19/10	05/19/10
Tetracosane (646-31-1)	**1,800**		10.84	"	"	"
Pentacosane (629-99-2)	**2,100**		11.19	"	"	"
Hexacosane (630-01-3)	**1,900**		11.54	"	"	"
Heptacosane (593-49-7)	**1,900**		11.89	"	"	"
Octacosane (630-02-4)	**1,500**		12.24	"	"	"
Nonacosane (630-03-5)	**1,200**		12.60	"	"	"

Total # of TICs: 7

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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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1906
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 10.054 g
%Solids: 84.51

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	U		0.6	1	05/19/10	05/20/10
Di(propylene glycol)butyl ether (29911-28-2)	U		0.6	"	"	"
Propylene glycol (57-55-6)	U		0.6	"	"	"

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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E1920
Sample Type: Solid

Date Collected: 05/15/10
Sample Weight: 5.07 g
%Solids: 84.51

Sample Qualifiers:

Surrogates

Analyte	Result µg/kg(dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	71,300		76.4	70-130	05/19/10	05/19/10

Targets

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	U		117,000	1	05/19/10	05/19/10
Oil Range Organics (NA)	U		117,000	"	"	05/20/10

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E2002 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.506 g Sample Qualifiers:
%Solids: 84.51

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**1,290**		11.7	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		7.0	"	"	"
Arsenic (7440-38-2)	U		11.7	"	"	"
Barium (7440-39-3)	**27.4**		1.2	"	"	"
Beryllium (7440-41-7)	U		0.6	"	"	"
Cadmium (7440-43-9)	U		0.6	"	"	"
Calcium (7440-70-2)	**4,290**		17.5	"	"	"
Chromium (7440-47-3)	**8.8**		1.2	"	"	"
Cobalt (7440-48-4)	**2.4**		2.3	"	"	"
Copper (7440-50-8)	U		2.3	"	"	"
Iron (7439-89-6)	**6,720**		2.9	"	"	"
Lead (7439-92-1)	**5.8**		3.5	"	"	"
Magnesium (7439-95-4)	**1,980**		17.5	"	"	"
Manganese (7439-96-5)	**64.0**		0.6	"	"	"
Nickel (7440-02-2)	**5.4**		2.3	"	"	"
Potassium (7440-09-7)	**269**		117	"	"	"
Selenium (7782-49-2)	U		11.7	"	"	"
Silver (7440-22-4)	U		1.2	"	"	"
Thallium (7440-28-0)	U		11.7	"	"	"
Sodium (7440-23-5)	**1,150**		58.5	"	"	"
Vanadium (7440-62-2)	**20.5**		2.3	"	"	"
Zinc (7440-66-6)	**13.0**		2.3	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-07 **Station ID: T003-0003-100515-MU-1**

Batch: B0E2101 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.122 g Sample Qualifiers:
%Solids: 84.51

Targets

Analyte (CAS Number)	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.06	1	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.011 g Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 1,2-Dichloroethane-d4	50.3		101	82-120	05/20/10	05/21/10
Surr: Toluene-d8	48.9		97.9	81-116	"	"
Surr: 4-Bromofluorobenzene	38.6		77.1 #	80-116	"	"

Targets

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		249	50	05/20/10	05/21/10
Chloromethane (74-87-3)	U		249	"	"	"
Vinyl chloride (75-01-4)	U		99.8	"	"	"
Bromomethane (74-83-9)	U	RL	998	"	"	"
Chloroethane (75-00-3)	U	RL	399	"	"	"
Trichlorofluoromethane (75-69-4)	U		99.8	"	"	"
1,1-Dichloroethene (75-35-4)	U		99.8	"	"	"
Carbon disulfide (75-15-0)	U		99.8	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		99.8	"	"	"
Acetone (67-64-1)	U		499	"	"	"
Methylene chloride (75-09-2)	**503**	**B**	99.8	"	"	"
Methyl acetate (79-20-9)	U		249	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		99.8	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		99.8	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		99.8	"	"	"
1,1-Dichloroethane (75-34-3)	U		99.8	"	"	"
2-Butanone (78-93-3)	U		249	"	"	"
Chloroform (67-66-3)	U		99.8	"	"	"
1,2-Dichloroethane (107-06-2)	U		99.8	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		99.8	"	"	"
Cyclohexane (110-82-7)	U		99.8	"	"	"
Carbon tetrachloride (56-23-5)	U		99.8	"	"	"
Benzene (71-43-2)	U		99.8	"	"	"
Trichloroethene (79-01-6)	U		99.8	"	"	"
Methylcyclohexane (108-87-2)	U		99.8	"	"	"
1,2-Dichloropropane (78-87-5)	U		99.8	"	"	"
Bromodichloromethane (75-27-4)	U		99.8	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		99.8	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		99.8	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.011 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,1,2-Trichloroethane (79-00-5)	U		99.8	50	05/20/10	05/21/10
Dibromochloromethane (124-48-1)	U		99.8	"	"	"
Bromoform (75-25-2)	U		99.8	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		249	"	"	"
Toluene (108-88-3)	U		99.8	"	"	"
Tetrachloroethene (127-18-4)	U		99.8	"	"	"
2-Hexanone (591-78-6)	U		249	"	"	"
1,2-Dibromoethane (106-93-4)	U		99.8	"	"	"
Chlorobenzene (108-90-7)	U		99.8	"	"	"
Ethylbenzene (100-41-4)	U		99.8	"	"	"
meta-/para-Xylene (na)	U		200	"	"	"
ortho-Xylene (95-47-6)	U		99.8	"	"	"
Styrene (100-42-5)	U		99.8	"	"	"
Isopropylbenzene (98-82-8)	U		99.8	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		99.8	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		99.8	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		99.8	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		99.8	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		249	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		249	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E2102 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 5.011 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed

No TICs present in this sample.

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.107 g Sample Qualifiers:

Surrogates

Analyte	Result µg/kg(dry)	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: 2-Fluorophenol	1,410,000		100	10-153	05/19/10	05/19/10
Surr: Phenol-d5	1,540,000		110	16-138	"	"
Surr: 2-Chlorophenol-d4	1,480,000		105	16-135	"	"
Surr: 1,2-Dichlorobenzene-d4	1,040,000		111	28-127	"	"
Surr: Nitrobenzene-d5	983,000		105	20-142	"	"
Surr: 2-Fluorobiphenyl	1,070,000		114	40-129	"	"
Surr: 2,4,6-Tribromophenol	1,490,000		107	10-151	"	"
Surr: Terphenyl-d14	850,000		91.0	29-129	"	"

Targets

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Acenaphthene (83-32-9)	U		37,400	1	05/19/10	05/19/10
Acenaphthylene (208-96-8)	U		37,400	"	"	"
Acetophenone (98-86-2)	U		93,500	"	"	"
Anthracene (120-12-7)	U		37,400	"	"	"
Atrazine (1912-24-9)	U		93,500	"	"	"
Benzaldehyde (100-52-7)	U		93,500	"	"	"
Benzoic acid (65-85-0)	U		187,000	"	"	"
Benzo (a) anthracene (56-55-3)	U		93,500	"	"	"
Benzo (a) pyrene (50-32-8)	U		93,500	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		93,500	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		93,500	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		93,500	"	"	"
Benzyl alcohol (100-51-6)	U		93,500	"	"	"
1,1'-Biphenyl (92-52-4)	U		93,500	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		93,500	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		93,500	"	"	"
Bis(2-chloroisopropyl)ether (108-60-1)	U		93,500	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		93,500	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		93,500	"	"	"
Butyl benzyl phthalate (85-68-7)	U		93,500	"	"	"
Carbazole (86-74-8)	U		93,500	"	"	"
Caprolactam (105-60-2)	U		93,500	"	"	"
4-Chloroaniline (106-47-8)	U		93,500	"	"	"
2-Chloronaphthalene (91-58-7)	U		93,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.107 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Chlorophenol (95-57-8)	U		93,500	1	05/19/10	05/19/10
4-Chlorophenyl phenyl ether (7005-72-3)	U		93,500	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		93,500	"	"	"
Chrysene (218-01-9)	U		93,500	"	"	"
Dibenzofuran (132-64-9)	U		93,500	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		93,500	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		93,500	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		93,500	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		93,500	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		93,500	"	"	"
2,4-Dichlorophenol (120-83-2)	U		93,500	"	"	"
Diethyl phthalate (84-66-2)	U		93,500	"	"	"
2,4-Dimethylphenol (105-67-9)	U		93,500	"	"	"
Dimethyl phthalate (131-11-3)	U		93,500	"	"	"
2,4-Dinitrophenol (51-28-5)	U		374,000	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		93,500	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		93,500	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		374,000	"	"	"
Di-n-butyl phthalate (84-74-2)	U		93,500	"	"	"
Di-n-octyl phthalate (117-84-0)	U		93,500	"	"	"
Fluoranthene (206-44-0)	U		37,400	"	"	"
Fluorene (86-73-7)	U		37,400	"	"	"
Hexachlorobenzene (118-74-1)	U		93,500	"	"	"
Hexachlorobutadiene (87-68-3)	U		93,500	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		93,500	"	"	"
Hexachloroethane (67-72-1)	U		93,500	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		93,500	"	"	"
Isophorone (78-59-1)	U		93,500	"	"	"
2-Methylnaphthalene (91-57-6)	U		37,400	"	"	"
2-Methylphenol (95-48-7)	U		93,500	"	"	"
3 &/or 4-Methylphenol (106-44-5)	U		93,500	"	"	"
Naphthalene (91-20-3)	U		37,400	"	"	"
2-Nitroaniline (88-74-4)	U		150,000	"	"	"
3-Nitroaniline (99-09-2)	U		150,000	"	"	"
4-Nitroaniline (100-01-6)	U		150,000	"	"	"
Nitrobenzene (98-95-3)	U		93,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.107 g Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Nitrophenol (88-75-5)	U		93,500	1	05/19/10	05/19/10
4-Nitrophenol (100-02-7)	U		243,000	"	"	"
N-Nitrosodiphenylamine (86-30-6)	U		93,500	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		93,500	"	"	"
Pentachlorophenol (87-86-5)	U		93,500	"	"	"
Phenanthrene (85-01-8)	U		37,400	"	"	"
Phenol (108-95-2)	U		93,500	"	"	"
Pyrene (129-00-0)	U		37,400	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		93,500	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		93,500	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		93,500	"	"	"

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Semivolatiles by EPA Method 8270 - GC/MS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E1913 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.107 g Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/kg	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
Heptacosane (593-49-7)	**140,000**		11.54	1	05/19/10	05/19/10
Octacosane (630-02-4)	**310,000**		11.89	"	"	"
Nonacosane (630-03-5)	**420,000**		12.24	"	"	"
Triacontane (638-68-6)	**670,000**		12.58	"	"	"
Hentriacontane (630-04-6)	**500,000**		12.93	"	"	"
Unknown Hopane (02) (NA)	**270,000**		13.08	"	"	"
Dotriacontane (544-85-4)	**480,000**		13.28	"	"	"
Unknown Hopane (01) (NA)	**260,000**		13.38	"	"	"
Tritriacontane (630-05-7)	**350,000**		13.65	"	"	"
Tetratriacontane (14167-59-0)	**360,000**		14.06	"	"	"

Total # of TICs: 10

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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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E1919 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.11 g Sample Qualifiers:

Surrogates

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: o-Terphenyl	7,190		98.8	70-130	05/19/10	05/20/10

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	**24,800**	**L**	22,700	5	05/19/10	05/20/10
Oil Range Organics (NA)	**87,000**	**K**	9,090	1	"	"

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Metals by EPA Method 6010B - ICP

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E2002 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.506 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**64.9**		9.9	1	05/20/10	05/20/10
Antimony (7440-36-0)	U		5.9	"	"	"
Arsenic (7440-38-2)	U		9.9	"	"	"
Barium (7440-39-3)	**5.8**		1.0	"	"	"
Beryllium (7440-41-7)	U		0.5	"	"	"
Cadmium (7440-43-9)	U		0.5	"	"	"
Calcium (7440-70-2)	**142**		14.8	"	"	"
Chromium (7440-47-3)	U		1.0	"	"	"
Cobalt (7440-48-4)	U		2.0	"	"	"
Copper (7440-50-8)	**7.0**		2.0	"	"	"
Iron (7439-89-6)	**422**		2.5	"	"	"
Lead (7439-92-1)	U		3.0	"	"	"
Magnesium (7439-95-4)	**76.0**		14.8	"	"	"
Manganese (7439-96-5)	**4.8**		0.5	"	"	"
Nickel (7440-02-2)	U		2.0	"	"	"
Potassium (7440-09-7)	U		98.8	"	"	"
Selenium (7782-49-2)	U		9.9	"	"	"
Silver (7440-22-4)	U		1.0	"	"	"
Thallium (7440-28-0)	U		9.9	"	"	"
Sodium (7440-23-5)	U		49.4	"	"	"
Vanadium (7440-62-2)	U		2.0	"	"	"
Zinc (7440-66-6)	**8.2**		2.0	"	"	"

Metals by EPA Method 7470A/7471A - CVAAS

Lab ID: 1005017-08 **Station ID: T003-0004-100515-TAR-1**

Batch: B0E2101 Date Collected: 05/15/10
Sample Type: Solid Sample Weight: 0.102 g Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.06	1	05/20/10	05/20/10

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-09 **Station ID: T005-9500-100517-DP-1-H**

Batch: B0E1922 Date Collected: 05/17/10
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	43.6		87.3	81-124	05/19/10	05/19/10
Surr: Toluene-d8	46.8		93.5	86-115	"	"
Surr: 4-Bromofluorobenzene	44.2		88.4	76-115	"	"

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		100,000	20000	05/19/10	05/19/10
Chloromethane (74-87-3)	U		100,000	"	"	"
Vinyl chloride (75-01-4)	U		40,000	"	"	"
Bromomethane (74-83-9)	U		100,000	"	"	"
Chloroethane (75-00-3)	U		40,000	"	"	"
Trichlorofluoromethane (75-69-4)	U		40,000	"	"	"
1,1-Dichloroethene (75-35-4)	U		40,000	"	"	"
Carbon disulfide (75-15-0)	U		40,000	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		40,000	"	"	"
Acetone (67-64-1)	U		200,000	"	"	"
Methylene chloride (75-09-2)	U		40,000	"	"	"
Methyl acetate (79-20-9)	U		40,000	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		40,000	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		40,000	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		40,000	"	"	"
1,1-Dichloroethane (75-34-3)	U		40,000	"	"	"
2-Butanone (78-93-3)	U		100,000	"	"	"
Chloroform (67-66-3)	U		40,000	"	"	"
1,2-Dichloroethane (107-06-2)	U		40,000	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		40,000	"	"	"
Cyclohexane (110-82-7)	U		40,000	"	"	"
Carbon tetrachloride (56-23-5)	U		40,000	"	"	"
Benzene (71-43-2)	U		40,000	"	"	"
Trichloroethene (79-01-6)	U		40,000	"	"	"
Methylcyclohexane (108-87-2)	U		40,000	"	"	"
1,2-Dichloropropane (78-87-5)	U		40,000	"	"	"
Bromodichloromethane (75-27-4)	U		40,000	"	"	"
cis-1,3-Dichloropropene (10061-01-5)	U		40,000	"	"	"
trans-1,3-Dichloropropene (10061-02-6)	U		40,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-09 **Station ID: T005-9500-100517-DP-1-H**

Batch: B0E1922 Date Collected: 05/17/10
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		40,000	20000	05/19/10	05/19/10
Dibromochloromethane (124-48-1)	U		40,000	"	"	"
Bromoform (75-25-2)	U		40,000	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		100,000	"	"	"
Toluene (108-88-3)	U		40,000	"	"	"
Tetrachloroethene (127-18-4)	U		40,000	"	"	"
2-Hexanone (591-78-6)	U		100,000	"	"	"
1,2-Dibromoethane (106-93-4)	U		40,000	"	"	"
Chlorobenzene (108-90-7)	U		40,000	"	"	"
Ethylbenzene (100-41-4)	U		40,000	"	"	"
meta-/para-Xylene (na)	U		80,000	"	"	"
ortho-Xylene (95-47-6)	U		40,000	"	"	"
Styrene (100-42-5)	U		40,000	"	"	"
Isopropylbenzene (98-82-8)	U		40,000	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		40,000	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		40,000	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		40,000	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		40,000	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		100,000	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		100,000	"	"	"

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Volatiles by EPA Method 8260 - GC/MS

Lab ID: 1005017-09 **Station ID: T005-9500-100517-DP-1-H**

Batch: B0E1922 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 5 ml Sample Qualifiers:

Tentatively Identified Compounds

Compound (CAS)	Result µg/l	Analyte Qualifiers	Retention Time	Dilution	Prepared	Analyzed
C13H28 ISOMER (01) (NA)	**940,000**		12.44	20000	05/19/10	05/19/10
Unknown (01) (NA)	**1,000,000**		12.61	"	"	"
Unknown (02) (NA)	**520,000**		12.61	"	"	"
C11H24 isomer (NA)	**790,000**		12.88	"	"	"
C10H22 isomer (NA)	**1,800,000**		12.94	"	"	"
Unknown Branched Hydrocarbon (NA)	**3,400,000**		12.94	"	"	"
Unknown Branched Hydrocarbon (2) (NA)	**800,000**		13.06	"	"	"
Unknown Branched Hydrocarbon (3) (NA)	**310,000**		13.35	"	"	"
Unknown Branched Hydrocarbon (4) (NA)	**610,000**		13.96	"	"	"
C13H28 ISOMER (02) (NA)	**360,000**		14.66	"	"	"

Total # of TICs: 10

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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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-09 **Station ID: T005-9500-100517-DP-1-H**

Batch: B0E1903 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	U		2,500	5000	05/19/10	05/19/10
Di(propylene glycol)butyl ether (29911-28-2)	**152,000**		2,500	"	"	"
Propylene glycol (57-55-6)	**18,200**		2,500	"	"	"

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Glycols by Direct Aqueous Injection - GC/MS

Lab ID: 1005017-10 **Station ID: T005-9527-100517-DP-1-H**

Batch: B0E1903 Date Collected: 05/17/10
Sample Type: Liquid Sample Volume: 1 ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
2-Butoxyethanol (111-76-2)	**202,000**		2,500	5000	05/19/10	05/19/10
Di(propylene glycol)butyl ether (29911-28-2)	**55,400**		2,500	"	"	"
Propylene glycol (57-55-6)	**21,800**		2,500	"	"	"

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

Blank (B0E1922-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	46.9		50.0	93.9	81-124
Surr: Toluene-d8	48.9		50.0	97.8	86-115
Surr: 4-Bromofluorobenzene	44.7		50.0	89.4	76-115

Blank (B0E1922-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

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: B0E1922 **Sample Type: Liquid**

Blank (B0E1922-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

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: B0E1922 **Sample Type: Liquid**

LCS (B0E1922-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	45.7		50.0	91.3	81-124
Surr: Toluene-d8	49.1		50.0	98.3	86-115
Surr: 4-Bromofluorobenzene	47.9		50.0	95.8	76-115

LCS (B0E1922-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	44.2		5.0	50.0	88.3	64-176
Chloromethane	50.8		5.0	50.0	102	70-168
Vinyl chloride	50.3		2.0	50.0	101	69-153
Bromomethane	37.3		5.0	50.0	74.7	73-155
Chloroethane	49.0		2.0	50.0	97.9	68-137
Trichlorofluoromethane	61.2		2.0	50.0	122	74-137
1,1-Dichloroethene	59.0		2.0	50.0	118	71-142
Carbon disulfide	56.6		2.0	50.0	113	58-155
1,1,2-Trichloro-1,2,2-trifluoroethane	61.5		2.0	50.0	123	85-142
Acetone	52.7		10.0	50.0	105	46-159
Methylene chloride	51.2		2.0	50.0	102	75-126
Methyl acetate	53.8		2.0	50.0	108	70-137
trans-1,2-Dichloroethene	56.2		2.0	50.0	112	73-127
cis-1,2-Dichloroethene	52.4		2.0	50.0	105	83-121
Methyl tert-butyl ether	53.8		2.0	50.0	108	82-124
1,1-Dichloroethane	53.0		2.0	50.0	106	81-123
2-Butanone	48.6		5.0	50.0	97.2	57-153
Chloroform	51.2		2.0	50.0	102	83-119
1,2-Dichloroethane	46.1		2.0	50.0	92.2	81-120
1,1,1-Trichloroethane	50.5		2.0	50.0	101	82-124

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

LCS (B0E1922-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	53.4		2.0	50.0	107	77-141
Carbon tetrachloride	50.7		2.0	50.0	101	81-124
Benzene	49.6		2.0	50.0	99.2	80-122
Trichloroethene	50.7		2.0	50.0	101	79-121
Methylcyclohexane	52.1		2.0	50.0	104	86-126
1,2-Dichloropropane	45.6		2.0	50.0	91.3	82-119
Bromodichloromethane	47.0		2.0	50.0	94.1	82-118
cis-1,3-Dichloropropene	44.5		2.0	50.0	88.9	78-120
trans-1,3-Dichloropropene	44.9		2.0	50.0	89.8	75-123
1,1,2-Trichloroethane	46.6		2.0	50.0	93.2	81-116
Dibromochloromethane	46.2		2.0	50.0	92.4	79-112
Bromoform	48.8		2.0	50.0	97.5	76-120
4-Methyl-2-pentanone	52.0		5.0	50.0	104	79-130
Toluene	51.5		2.0	50.0	103	81-122
Tetrachloroethene	50.5		2.0	50.0	101	81-120
2-Hexanone	45.2		5.0	50.0	90.4	69-138
1,2-Dibromoethane	49.7		2.0	50.0	99.4	81-117
Chlorobenzene	48.6		2.0	50.0	97.2	82-119
Ethylbenzene	51.5		2.0	50.0	103	79-126
meta-/para-Xylene	99.1		4.0	100	99.1	73-131
ortho-Xylene	51.2		2.0	50.0	102	79-124
Styrene	49.4		2.0	50.0	98.7	65-126
Isopropylbenzene	59.5		2.0	50.0	119	82-128
1,1,2,2-Tetrachloroethane	51.7		2.0	50.0	103	81-117
1,3-Dichlorobenzene	49.0		2.0	50.0	97.9	82-119
1,4-Dichlorobenzene	49.3		2.0	50.0	98.6	82-120
1,2-Dichlorobenzene	47.6		2.0	50.0	95.1	81-117
1,2-Dibromo-3-chloropropane	44.0		5.0	50.0	87.9	74-122
1,2,4-Trichlorobenzene	38.6		5.0	50.0	77.2 #	78-119

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

Matrix Spike (B0E1922-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	46.4		50.0	92.8	81-124
Surr: Toluene-d8	49.4		50.0	98.9	86-115
Surr: 4-Bromofluorobenzene	50.0		50.0	100	76-115

Matrix Spike (B0E1922-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dichlorodifluoromethane	39.2		5.0	50.0		78.4	50-150
Chloromethane	43.5		5.0	50.0		86.9	50-150
Vinyl chloride	44.1		2.0	50.0		88.3	70-130
Bromomethane	34.9		5.0	50.0	0.4	69.1	50-150
Chloroethane	46.5		2.0	50.0		93.0	70-130
Trichlorofluoromethane	56.2		2.0	50.0		112	70-130
1,1-Dichloroethene	53.8		2.0	50.0		108	61-145
Carbon disulfide	51.4		2.0	50.0		103	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	55.5		2.0	50.0		111	70-130
Acetone	34.9		10.0	50.0	2.4	65.2	50-150
Methylene chloride	48.8		2.0	50.0		97.6	70-130
Methyl acetate	52.2		2.0	50.0		104	70-130
trans-1,2-Dichloroethene	50.8		2.0	50.0		102	70-130
cis-1,2-Dichloroethene	49.4		2.0	50.0		98.8	70-130
Methyl tert-butyl ether	52.4		2.0	50.0		105	70-130
1,1-Dichloroethane	49.3		2.0	50.0		98.7	70-130
2-Butanone	37.9		5.0	50.0		75.8	50-150
Chloroform	48.2		2.0	50.0		96.5	70-130
1,2-Dichloroethane	45.7		2.0	50.0		91.3	70-130
1,1,1-Trichloroethane	49.0		2.0	50.0		97.9	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

Matrix Spike (B0E1922-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyclohexane	50.9		2.0	50.0		102	70-130
Carbon tetrachloride	49.0		2.0	50.0		98.1	70-130
Benzene	49.2		2.0	50.0	0.3	97.9	76-127
Trichloroethene	48.9		2.0	50.0		97.7	71-120
Methylcyclohexane	50.3		2.0	50.0		101	70-130
1,2-Dichloropropane	46.6		2.0	50.0		93.3	70-130
Bromodichloromethane	48.3		2.0	50.0		96.7	70-130
cis-1,3-Dichloropropene	46.1		2.0	50.0		92.2	70-130
trans-1,3-Dichloropropene	46.1		2.0	50.0		92.3	70-130
1,1,2-Trichloroethane	49.9		2.0	50.0		99.8	70-130
Dibromochloromethane	48.5		2.0	50.0		97.0	70-130
Bromoform	52.2		2.0	50.0		104	70-130
4-Methyl-2-pentanone	51.8		5.0	50.0		104	70-130
Toluene	49.0		2.0	50.0	0.4	97.2	76-125
Tetrachloroethene	47.8		2.0	50.0		95.5	70-130
2-Hexanone	39.0		5.0	50.0		78.0	70-130
1,2-Dibromoethane	50.3		2.0	50.0		101	70-130
Chlorobenzene	47.2		2.0	50.0		94.3	75-130
Ethylbenzene	49.4		2.0	50.0		98.8	70-130
meta-/para-Xylene	94.8		4.0	100	0.2	94.6	70-130
ortho-Xylene	49.8		2.0	50.0		99.6	70-130
Styrene	48.5		2.0	50.0		97.0	70-130
Isopropylbenzene	56.6		2.0	50.0		113	70-130
1,1,2,2-Tetrachloroethane	53.0		2.0	50.0		106	70-130
1,3-Dichlorobenzene	48.5		2.0	50.0		97.0	70-130
1,4-Dichlorobenzene	48.9		2.0	50.0		97.7	70-130
1,2-Dichlorobenzene	48.0		2.0	50.0		96.0	70-130
1,2-Dibromo-3-chloropropane	44.2		5.0	50.0		88.5	50-150
1,2,4-Trichlorobenzene	37.3		5.0	50.0		74.7	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

Matrix Spike Dup (B0E1922-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	50.7		50.0	101	81-124
Surr: Toluene-d8	53.3		50.0	107	86-115
Surr: 4-Bromofluorobenzene	51.6		50.0	103	76-115

Matrix Spike Dup (B0E1922-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	43.9		5.0	50.0		87.8	50-150	11.3	20
Chloromethane	51.2		5.0	50.0		102	50-150	16.3	20
Vinyl chloride	52.0		2.0	50.0		104	70-130	16.4	20
Bromomethane	40.8		5.0	50.0	0.4	80.9	50-150	15.6	20
Chloroethane	53.6		2.0	50.0		107	70-130	14.2	20
Trichlorofluoromethane	65.0		2.0	50.0		130	70-130	14.5	20
1,1-Dichloroethene	62.8		2.0	50.0		126	61-145	15.5 #	14
Carbon disulfide	59.7		2.0	50.0		119	70-130	15.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	64.4		2.0	50.0		129	70-130	14.8	20
Acetone	44.4		10.0	50.0	2.4	84.1	50-150	23.9 #	20
Methylene chloride	53.8		2.0	50.0		108	70-130	9.73	20
Methyl acetate	63.4		2.0	50.0		127	70-130	19.3	20
trans-1,2-Dichloroethene	57.9		2.0	50.0		116	70-130	13.0	20
cis-1,2-Dichloroethene	55.2		2.0	50.0		110	70-130	11.2	20
Methyl tert-butyl ether	58.4		2.0	50.0		117	70-130	10.9	20
1,1-Dichloroethane	55.3		2.0	50.0		111	70-130	11.4	20
2-Butanone	47.1		5.0	50.0		94.1	50-150	21.6 #	20
Chloroform	53.5		2.0	50.0		107	70-130	10.4	20
1,2-Dichloroethane	49.6		2.0	50.0		99.3	70-130	8.33	20
1,1,1-Trichloroethane	53.0		2.0	50.0		106	70-130	7.87	20

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E1922 **Sample Type: Liquid**

Matrix Spike Dup (B0E1922-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyclohexane	55.9		2.0	50.0		112	70-130	9.29	20
Carbon tetrachloride	52.6		2.0	50.0		105	70-130	7.06	20
Benzene	52.2		2.0	50.0	0.3	104	76-127	5.86	11
Trichloroethene	52.8		2.0	50.0		106	71-120	7.83	14
Methylcyclohexane	54.6		2.0	50.0		109	70-130	8.25	20
1,2-Dichloropropane	48.2		2.0	50.0		96.3	70-130	3.25	20
Bromodichloromethane	49.9		2.0	50.0		99.8	70-130	3.16	20
cis-1,3-Dichloropropene	47.4		2.0	50.0		94.9	70-130	2.80	20
trans-1,3-Dichloropropene	47.7		2.0	50.0		95.4	70-130	3.30	20
1,1,2-Trichloroethane	51.3		2.0	50.0		103	70-130	2.71	20
Dibromochloromethane	49.9		2.0	50.0		99.8	70-130	2.89	20
Bromoform	55.6		2.0	50.0		111	70-130	6.42	20
4-Methyl-2-pentanone	60.6		5.0	50.0		121	70-130	15.6	20
Toluene	54.0		2.0	50.0	0.4	107	76-125	9.65	13
Tetrachloroethene	53.4		2.0	50.0		107	70-130	11.2	20
2-Hexanone	47.2		5.0	50.0		94.3	70-130	18.9	20
1,2-Dibromoethane	54.7		2.0	50.0		109	70-130	8.36	20
Chlorobenzene	51.4		2.0	50.0		103	75-130	8.66	13
Ethylbenzene	53.7		2.0	50.0		107	70-130	8.29	20
meta-/para-Xylene	104		4.0	100	0.2	104	70-130	9.72	20
ortho-Xylene	53.7		2.0	50.0		107	70-130	7.50	20
Styrene	51.8		2.0	50.0		104	70-130	6.56	20
Isopropylbenzene	62.8		2.0	50.0		126	70-130	10.3	20
1,1,2,2-Tetrachloroethane	59.1		2.0	50.0		118	70-130	10.8	20
1,3-Dichlorobenzene	52.6		2.0	50.0		105	70-130	8.09	20
1,4-Dichlorobenzene	52.8		2.0	50.0		106	70-130	7.77	20
1,2-Dichlorobenzene	51.5		2.0	50.0		103	70-130	6.96	20
1,2-Dibromo-3-chloropropane	58.6		5.0	50.0		117	50-150	27.8 #	20
1,2,4-Trichlorobenzene	48.2		5.0	50.0		96.5	70-130	25.5 #	20

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Blank (B0E2102-BLK1)
Prepared: 5/20/2010 Analyzed: 5/21/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	47.4		50.0	94.9	82-120
Surr: Toluene-d8	49.0		50.0	98.0	81-116
Surr: 4-Bromofluorobenzene	37.8		50.0	75.6 #	80-116

Blank (B0E2102-BLK1)
Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		99.8
Bromomethane	U		250
Chloroethane	U		99.8
Trichlorofluoromethane	U		99.8
1,1-Dichloroethene	U		99.8
Carbon disulfide	U		99.8
1,1,2-Trichloro-1,2,2-trifluoroethane	U		99.8
Acetone	U		499
Methylene chloride	U		99.8
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		99.8
cis-1,2-Dichloroethene	U		99.8
Methyl tert-butyl ether	U		99.8
1,1-Dichloroethane	U		99.8
2-Butanone	U		250
Chloroform	U		99.8
1,2-Dichloroethane	U		99.8
1,1,1-Trichloroethane	U		99.8

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Blank (B0E2102-BLK1)

Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		99.8
Carbon tetrachloride	U		99.8
Benzene	U		99.8
Trichloroethene	U		99.8
Methylcyclohexane	U		99.8
1,2-Dichloropropane	U		99.8
Bromodichloromethane	U		99.8
cis-1,3-Dichloropropene	U		99.8
trans-1,3-Dichloropropene	U		99.8
1,1,2-Trichloroethane	U		99.8
Dibromochloromethane	U		99.8
Bromoform	U		99.8
4-Methyl-2-pentanone	U		250
Toluene	U		99.8
Tetrachloroethene	U		99.8
2-Hexanone	U		250
1,2-Dibromoethane	U		99.8
Chlorobenzene	U		99.8
Ethylbenzene	U		99.8
meta-/para-Xylene	U		200
ortho-Xylene	U		99.8
Styrene	U		99.8
Isopropylbenzene	U		99.8
1,1,2,2-Tetrachloroethane	U		99.8
1,3-Dichlorobenzene	U		99.8
1,4-Dichlorobenzene	U		99.8
1,2-Dichlorobenzene	U		99.8
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: B0E2102 **Sample Type: Solid**

LCS (B0E2102-BS1)

Prepared: 5/20/2010 Analyzed: 5/21/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	49.0		50.0	98.1	82-120
Surr: Toluene-d8	53.4		50.0	107	81-116
Surr: 4-Bromofluorobenzene	45.7		50.0	91.3	80-116

LCS (B0E2102-BS1)

Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	2,000		250	2,500	80.0	39-124
Chloromethane	1,310		250	2,500	52.6	36-152
Vinyl chloride	1,460		100	2,500	58.3	34-138
Bromomethane	646		250	2,500	25.9 #	35-127
Chloroethane	607		100	2,500	24.3 #	51-148
Trichlorofluoromethane	2,520		100	2,500	101	18-136
1,1-Dichloroethene	2,100		100	2,500	83.9	55-160
Carbon disulfide	1,580		100	2,500	63.4	60-142
1,1,2-Trichloro-1,2,2-trifluoroethane	2,610		100	2,500	104	67-148
Acetone	2,550		500	2,500	102	46-138
Methylene chloride	2,320		100	2,500	93.0	72-151
Methyl acetate	2,070		250	2,500	82.8	67-161
trans-1,2-Dichloroethene	2,080		100	2,500	83.3	61-153
cis-1,2-Dichloroethene	2,260		100	2,500	90.6	66-137
Methyl tert-butyl ether	2,110		100	2,500	84.4	82-137
1,1-Dichloroethane	2,260		100	2,500	90.4	68-141
2-Butanone	2,560		250	2,500	102	38-147
Chloroform	2,490		100	2,500	99.6	78-136
1,2-Dichloroethane	2,330		100	2,500	93.3	73-141
1,1,1-Trichloroethane	3,010		100	2,500	120	77-136

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

LCS (B0E2102-BS1)

Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyclohexane	2,610		100	2,500	105	62-142
Carbon tetrachloride	3,160		100	2,500	126	73-136
Benzene	2,440		100	2,500	97.5	63-141
Trichloroethene	2,680		100	2,500	107	67-136
Methylcyclohexane	2,220		100	2,500	88.9	51-137
1,2-Dichloropropane	2,490		100	2,500	99.6	77-130
Bromodichloromethane	2,820		100	2,500	113	83-129
cis-1,3-Dichloropropene	2,330		100	2,500	93.2	65-132
trans-1,3-Dichloropropene	2,380		100	2,500	95.0	67-132
1,1,2-Trichloroethane	2,780		100	2,500	111	72-137
Dibromochloromethane	2,900		100	2,500	116	76-126
Bromoform	3,100		100	2,500	124	63-135
4-Methyl-2-pentanone	2,020		250	2,500	80.9 #	82-131
Toluene	2,370		100	2,500	94.8	69-132
Tetrachloroethene	2,610		100	2,500	104	63-133
2-Hexanone	1,900		250	2,500	76.0	49-141
1,2-Dibromoethane	2,420		100	2,500	97.0	68-130
Chlorobenzene	2,450		100	2,500	97.9	68-139
Ethylbenzene	2,390		100	2,500	95.7	58-138
meta-/para-Xylene	5,090		200	5,000	102	59-138
ortho-Xylene	2,510		100	2,500	100	52-143
Styrene	2,730		100	2,500	109	55-142
Isopropylbenzene	2,330		100	2,500	93.3	57-143
1,1,2,2-Tetrachloroethane	2,450		100	2,500	97.9	71-137
1,3-Dichlorobenzene	2,480		100	2,500	99.1	65-140
1,4-Dichlorobenzene	2,570		100	2,500	103	66-139
1,2-Dichlorobenzene	2,550		100	2,500	102	65-139
1,2-Dibromo-3-chloropropane	2,330		250	2,500	93.3	74-130
1,2,4-Trichlorobenzene	2,580		250	2,500	103	70-132

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Matrix Spike (B0E2102-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	49.4		50.0	98.8	82-120
Surr: Toluene-d8	53.7		50.0	107	81-116
Surr: 4-Bromofluorobenzene	46.8		50.0	93.5	80-116

Matrix Spike (B0E2102-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dichlorodifluoromethane	515		250	2,500		20.6 #	50-150
Chloromethane	707		250	2,500		28.3 #	50-150
Vinyl chloride	696		99.9	2,500		27.9 #	70-130
Bromomethane	418		250	2,500		16.7 #	50-150
Chloroethane	360		99.9	2,500		14.4 #	70-130
Trichlorofluoromethane	1,120		99.9	2,500		44.8 #	70-130
1,1-Dichloroethene	1,430		99.9	2,500		57.0 #	59-172
Carbon disulfide	1,200		99.9	2,500		48.0 #	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	1,230		99.9	2,500		49.3 #	70-130
Acetone	2,510		500	2,500	424	83.6	50-150
Methylene chloride	1,860		99.9	2,500		74.4	70-130
Methyl acetate	1,940		250	2,500		77.5	70-130
trans-1,2-Dichloroethene	1,540		99.9	2,500		61.6 #	70-130
cis-1,2-Dichloroethene	1,780		99.9	2,500		71.3	70-130
Methyl tert-butyl ether	1,880		99.9	2,500		75.4	70-130
1,1-Dichloroethane	1,700		99.9	2,500		68.0 #	70-130
2-Butanone	2,240		250	2,500	158	83.4	50-150
Chloroform	1,900		99.9	2,500		76.1	70-130
1,2-Dichloroethane	1,900		99.9	2,500		76.2	70-130
1,1,1-Trichloroethane	2,140		99.9	2,500		85.8	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Matrix Spike (B0E2102-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyclohexane	1,390		99.9	2,500		55.6 #	70-130
Carbon tetrachloride	2,140		99.9	2,500		85.5	70-130
Benzene	1,850		99.9	2,500		74.2	66-142
Trichloroethene	1,900		99.9	2,500		76.2	62-137
Methylcyclohexane	1,190		99.9	2,500		47.8 #	70-130
1,2-Dichloropropane	1,910		99.9	2,500		76.5	70-130
Bromodichloromethane	2,260		99.9	2,500		90.6	70-130
cis-1,3-Dichloropropene	1,800		99.9	2,500		72.2	70-130
trans-1,3-Dichloropropene	2,040		99.9	2,500		81.8	70-130
1,1,2-Trichloroethane	2,270		99.9	2,500		90.7	70-130
Dibromochloromethane	2,390		99.9	2,500		95.5	70-130
Bromoform	2,550		99.9	2,500		102	70-130
4-Methyl-2-pentanone	1,760		250	2,500		70.3	70-130
Toluene	1,790		99.9	2,500		71.6	59-139
Tetrachloroethene	1,810		99.9	2,500		72.3	70-130
2-Hexanone	1,690		250	2,500		67.6 #	70-130
1,2-Dibromoethane	2,070		99.9	2,500		83.0	70-130
Chlorobenzene	1,880		99.9	2,500		75.3	60-133
Ethylbenzene	1,780		99.9	2,500		71.2	70-130
meta-/para-Xylene	3,900		200	5,000		78.1	70-130
ortho-Xylene	2,000		99.9	2,500		79.9	70-130
Styrene	2,300		99.9	2,500		92.1	70-130
Isopropylbenzene	1,870		99.9	2,500		74.9	70-130
1,1,2,2-Tetrachloroethane	2,110		99.9	2,500		84.3	70-130
1,3-Dichlorobenzene	2,130		99.9	2,500		85.1	70-130
1,4-Dichlorobenzene	2,170		99.9	2,500		86.9	70-130
1,2-Dichlorobenzene	2,180		99.9	2,500		87.1	70-130
1,2-Dibromo-3-chloropropane	2,120		250	2,500		84.9	50-150
1,2,4-Trichlorobenzene	2,170		250	2,500		86.9	70-130

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Matrix Spike Dup (B0E2102-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	52.7		50.0	105	82-120
Surr: Toluene-d8	52.2		50.0	104	81-116
Surr: 4-Bromofluorobenzene	44.9		50.0	89.8	80-116

Matrix Spike Dup (B0E2102-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	769		250	2,500		30.8 #	50-150	39.7 #	30
Chloromethane	650		250	2,500		26.0 #	50-150	8.40	30
Vinyl chloride	711		99.9	2,500		28.5 #	70-130	2.12	30
Bromomethane	417		250	2,500		16.7 #	50-150	0.32	30
Chloroethane	350		99.9	2,500		14.0 #	70-130	3.04	30
Trichlorofluoromethane	1,400		99.9	2,500		56.0 #	70-130	22.2	30
1,1-Dichloroethene	1,520		99.9	2,500		61.0	59-172	6.70	22
Carbon disulfide	1,200		99.9	2,500		48.1 #	70-130	0.13	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1,660		99.9	2,500		66.5 #	70-130	29.6	30
Acetone	2,650		499	2,500	424	89.0	50-150	5.11	30
Methylene chloride	1,850		99.9	2,500		74.0	70-130	0.62	30
Methyl acetate	1,910		250	2,500		76.5	70-130	1.43	30
trans-1,2-Dichloroethene	1,640		99.9	2,500		65.8 #	70-130	6.51	30
cis-1,2-Dichloroethene	1,870		99.9	2,500		75.0	70-130	4.92	30
Methyl tert-butyl ether	1,870		99.9	2,500		74.9	70-130	0.75	30
1,1-Dichloroethane	1,740		99.9	2,500		69.7 #	70-130	2.45	30
2-Butanone	2,400		250	2,500	158	89.7	50-150	6.72	30
Chloroform	1,970		99.9	2,500		78.9	70-130	3.56	30
1,2-Dichloroethane	1,960		99.9	2,500		78.5	70-130	2.92	30
1,1,1-Trichloroethane	2,240		99.9	2,500		89.7	70-130	4.34	30

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Volatiles by EPA Method 8260 - GC/MS - Quality Control

Batch: B0E2102 **Sample Type: Solid**

Matrix Spike Dup (B0E2102-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/21/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyclohexane	1,750		99.9	2,500		70.1	70-130	22.9	30
Carbon tetrachloride	2,340		99.9	2,500		93.7	70-130	9.05	30
Benzene	2,130		99.9	2,500		85.2	66-142	13.8	21
Trichloroethene	2,010		99.9	2,500		80.6	62-137	5.63	24
Methylcyclohexane	1,630		99.9	2,500		65.4 #	70-130	31.0 #	30
1,2-Dichloropropane	1,940		99.9	2,500		77.7	70-130	1.45	30
Bromodichloromethane	2,280		99.9	2,500		91.2	70-130	0.60	30
cis-1,3-Dichloropropene	1,920		99.9	2,500		77.0	70-130	6.44	30
trans-1,3-Dichloropropene	2,130		99.9	2,500		85.5	70-130	4.32	30
1,1,2-Trichloroethane	2,280		99.9	2,500		91.2	70-130	0.49	30
Dibromochloromethane	2,390		99.9	2,500		95.8	70-130	0.25	30
Bromoform	2,560		99.9	2,500		102	70-130	0.15	30
4-Methyl-2-pentanone	1,800		250	2,500		72.0	70-130	2.28	30
Toluene	1,880		99.9	2,500		75.3	59-139	4.90	21
Tetrachloroethene	1,930		99.9	2,500		77.4	70-130	6.76	30
2-Hexanone	1,680		250	2,500		67.4 #	70-130	0.35	30
1,2-Dibromoethane	2,010		99.9	2,500		80.7	70-130	2.89	30
Chlorobenzene	1,940		99.9	2,500		77.9	60-133	3.34	21
Ethylbenzene	1,850		99.9	2,500		74.2	70-130	4.10	30
meta-/para-Xylene	4,030		200	4,990		80.8	70-130	3.22	30
ortho-Xylene	1,980		99.9	2,500		79.5	70-130	0.63	30
Styrene	2,290		99.9	2,500		91.6	70-130	0.62	30
Isopropylbenzene	1,870		99.9	2,500		74.8	70-130	0.24	30
1,1,2,2-Tetrachloroethane	2,110		99.9	2,500		84.6	70-130	0.28	30
1,3-Dichlorobenzene	2,080		99.9	2,500		83.4	70-130	2.07	30
1,4-Dichlorobenzene	2,140		99.9	2,500		85.9	70-130	1.26	30
1,2-Dichlorobenzene	2,180		99.9	2,500		87.4	70-130	0.26	30
1,2-Dibromo-3-chloropropane	2,100		250	2,500		84.2	50-150	0.84	30
1,2,4-Trichlorobenzene	2,340		250	2,500		93.6	70-130	7.34	30

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Blank (B0E2301-BLK1)
Prepared: 5/22/2010 Analyzed: 5/22/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	50.9		50.0	102	82-120
Surr: Toluene-d8	48.8		50.0	97.6	81-116
Surr: 4-Bromofluorobenzene	38.1		50.0	76.1 #	80-116

Blank (B0E2301-BLK1)
Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		250
Chloromethane	U		250
Vinyl chloride	U		99.9
Bromomethane	U		250
Chloroethane	U		99.9
Trichlorofluoromethane	U		99.9
1,1-Dichloroethene	U		99.9
Carbon disulfide	U		99.9
1,1,2-Trichloro-1,2,2-trifluoroethane	U		99.9
Acetone	U		500
Methylene chloride	U		99.9
Methyl acetate	U		250
trans-1,2-Dichloroethene	U		99.9
cis-1,2-Dichloroethene	U		99.9
Methyl tert-butyl ether	U		99.9
1,1-Dichloroethane	U		99.9
2-Butanone	U		250
Chloroform	U		99.9
1,2-Dichloroethane	U		99.9
1,1,1-Trichloroethane	U		99.9

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Blank (B0E2301-BLK1)

Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Cyclohexane	U		99.9
Carbon tetrachloride	U		99.9
Benzene	U		99.9
Trichloroethene	U		99.9
Methylcyclohexane	U		99.9
1,2-Dichloropropane	U		99.9
Bromodichloromethane	U		99.9
cis-1,3-Dichloropropene	U		99.9
trans-1,3-Dichloropropene	U		99.9
1,1,2-Trichloroethane	U		99.9
Dibromochloromethane	U		99.9
Bromoform	U		99.9
4-Methyl-2-pentanone	U		250
Toluene	U		99.9
Tetrachloroethene	U		99.9
2-Hexanone	U		250
1,2-Dibromoethane	U		99.9
Chlorobenzene	U		99.9
Ethylbenzene	U		99.9
meta-/para-Xylene	U		200
ortho-Xylene	U		99.9
Styrene	U		99.9
Isopropylbenzene	U		99.9
1,1,2,2-Tetrachloroethane	U		99.9
1,3-Dichlorobenzene	U		99.9
1,4-Dichlorobenzene	U		99.9
1,2-Dichlorobenzene	U		99.9
1,2-Dibromo-3-chloropropane	U		250
1,2,4-Trichlorobenzene	U		250

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

LCS (B0E2301-BS1)

Prepared: 5/22/2010 Analyzed: 5/22/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	48.9		50.0	97.8	82-120
Surr: Toluene-d8	53.2		50.0	106	81-116
Surr: 4-Bromofluorobenzene	45.9		50.0	91.8	80-116

LCS (B0E2301-BS1)

Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	3,470		250	2,500	139 #	39-124
Chloromethane	1,490		250	2,500	59.4	36-152
Vinyl chloride	2,280		100	2,500	91.2	34-138
Bromomethane	834		250	2,500	33.4 #	35-127
Chloroethane	708		100	2,500	28.3 #	51-148
Trichlorofluoromethane	3,500		100	2,500	140 #	18-136
1,1-Dichloroethene	2,870		100	2,500	115	55-160
Carbon disulfide	2,420		100	2,500	97.0	60-142
1,1,2-Trichloro-1,2,2-trifluoroethane	3,840		100	2,500	154 #	67-148
Acetone	2,400		500	2,500	96.1	46-138
Methylene chloride	2,590		100	2,500	104	72-151
Methyl acetate	2,210		250	2,500	88.4	67-161
trans-1,2-Dichloroethene	2,480		100	2,500	99.2	61-153
cis-1,2-Dichloroethene	2,350		100	2,500	93.9	66-137
Methyl tert-butyl ether	2,210		100	2,500	88.6	82-137
1,1-Dichloroethane	2,470		100	2,500	98.9	68-141
2-Butanone	2,300		250	2,500	92.0	38-147
Chloroform	2,570		100	2,500	103	78-136
1,2-Dichloroethane	2,330		100	2,500	93.3	73-141
1,1,1-Trichloroethane	3,360		100	2,500	135	77-136

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

LCS (B0E2301-BS1)

Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC		%REC Limits
Cyclohexane	3,600		100	2,500	144	#	62-142
Carbon tetrachloride	3,650		100	2,500	146	#	73-136
Benzene	2,700		100	2,500	108		63-141
Trichloroethene	2,850		100	2,500	114		67-136
Methylcyclohexane	2,910		100	2,500	116		51-137
1,2-Dichloropropane	2,620		100	2,500	105		77-130
Bromodichloromethane	2,900		100	2,500	116		83-129
cis-1,3-Dichloropropene	2,390		100	2,500	95.5		65-132
trans-1,3-Dichloropropene	2,460		100	2,500	98.3		67-132
1,1,2-Trichloroethane	2,860		100	2,500	114		72-137
Dibromochloromethane	2,940		100	2,500	118		76-126
Bromoform	3,150		100	2,500	126		63-135
4-Methyl-2-pentanone	1,900		250	2,500	76.1	#	82-131
Toluene	2,450		100	2,500	97.9		69-132
Tetrachloroethene	2,700		100	2,500	108		63-133
2-Hexanone	1,770		250	2,500	70.9		49-141
1,2-Dibromoethane	2,470		100	2,500	98.7		68-130
Chlorobenzene	2,460		100	2,500	98.6		68-139
Ethylbenzene	2,430		100	2,500	97.4		58-138
meta-/para-Xylene	5,150		200	5,000	103		59-138
ortho-Xylene	2,530		100	2,500	101		52-143
Styrene	2,830		100	2,500	113		55-142
Isopropylbenzene	2,360		100	2,500	94.6		57-143
1,1,2,2-Tetrachloroethane	2,490		100	2,500	99.5		71-137
1,3-Dichlorobenzene	2,480		100	2,500	99.0		65-140
1,4-Dichlorobenzene	2,560		100	2,500	103		66-139
1,2-Dichlorobenzene	2,510		100	2,500	100		65-139
1,2-Dibromo-3-chloropropane	2,290		250	2,500	91.6		74-130
1,2,4-Trichlorobenzene	2,570		250	2,500	103		70-132

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Matrix Spike (B0E2301-MS1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	54.1		50.0	108	82-120
Surr: Toluene-d8	55.4		50.0	111	81-116
Surr: 4-Bromofluorobenzene	47.6		50.0	95.2	80-116

Matrix Spike (B0E2301-MS1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dichlorodifluoromethane	586		250	2,500		23.4 #	50-150
Chloromethane	445		250	2,500		17.8 #	50-150
Vinyl chloride	674		100	2,500		26.9 #	70-130
Bromomethane	364		250	2,500		14.6 #	50-150
Chloroethane	284		100	2,500		11.3 #	70-130
Trichlorofluoromethane	1,170		100	2,500		46.6 #	70-130
1,1-Dichloroethene	1,130		100	2,500		45.1 #	59-172
Carbon disulfide	799		100	2,500		32.0 #	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane	1,210		100	2,500		48.3 #	70-130
Acetone	2,540		500	2,500	383	86.1	50-150
Methylene chloride	1,500		100	2,500		60.0 #	70-130
Methyl acetate	1,670		250	2,500	41.9	65.0 #	70-130
trans-1,2-Dichloroethene	1,260		100	2,500		50.2 #	70-130
cis-1,2-Dichloroethene	1,550		100	2,500		62.2 #	70-130
Methyl tert-butyl ether	1,560		100	2,500		62.3 #	70-130
1,1-Dichloroethane	1,400		100	2,500		56.1 #	70-130
2-Butanone	1,990		250	2,500	149	73.8	50-150
Chloroform	1,650		100	2,500		65.8 #	70-130
1,2-Dichloroethane	1,710		100	2,500		68.4 #	70-130
1,1,1-Trichloroethane	1,780		100	2,500		71.1	70-130

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Matrix Spike (B0E2301-MS1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits
Cyclohexane	1,100		100	2,500		44.2	#	70-130
Carbon tetrachloride	1,770		100	2,500		70.7		70-130
Benzene	1,710		100	2,500		68.5		66-142
Trichloroethene	1,560		100	2,500		62.3		62-137
Methylcyclohexane	946		100	2,500		37.8	#	70-130
1,2-Dichloropropane	1,600		100	2,500		64.2	#	70-130
Bromodichloromethane	1,920		100	2,500		77.0		70-130
cis-1,3-Dichloropropene	1,550		100	2,500		62.0	#	70-130
trans-1,3-Dichloropropene	1,770		100	2,500		71.0		70-130
1,1,2-Trichloroethane	1,980		100	2,500		79.3		70-130
Dibromochloromethane	2,020		100	2,500		81.0		70-130
Bromoform	2,160		100	2,500		86.3		70-130
4-Methyl-2-pentanone	1,610		250	2,500		64.2	#	70-130
Toluene	1,540		100	2,500		61.7		59-139
Tetrachloroethene	1,450		100	2,500		57.9	#	70-130
2-Hexanone	1,540		250	2,500		61.7	#	70-130
1,2-Dibromoethane	1,760		100	2,500		70.4		70-130
Chlorobenzene	1,670		100	2,500		66.7		60-133
Ethylbenzene	1,480		100	2,500		59.3	#	70-130
meta-/para-Xylene	3,180		200	5,000		63.6	#	70-130
ortho-Xylene	1,550		100	2,500		61.9	#	70-130
Styrene	1,910		100	2,500		76.3		70-130
Isopropylbenzene	1,480		100	2,500		59.4	#	70-130
1,1,2,2-Tetrachloroethane	2,030		100	2,500		81.2		70-130
1,3-Dichlorobenzene	1,670		100	2,500		66.9	#	70-130
1,4-Dichlorobenzene	1,730		100	2,500		69.1	#	70-130
1,2-Dichlorobenzene	1,800		100	2,500		71.8		70-130
1,2-Dibromo-3-chloropropane	1,820		250	2,500		72.8		50-150
1,2,4-Trichlorobenzene	1,580		250	2,500		63.3	#	70-130

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Matrix Spike Dup (B0E2301-MSD1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 1,2-Dichloroethane-d4	56.4		50.0	113	82-120
Surr: Toluene-d8	55.0		50.0	110	81-116
Surr: 4-Bromofluorobenzene	47.4		50.0	94.8	80-116

Matrix Spike Dup (B0E2301-MSD1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	1,730		250	2,500		69.3	50-150	98.9 #	30
Chloromethane	984		250	2,500		39.4 #	50-150	75.5 #	30
Vinyl chloride	1,510		99.9	2,500		60.4 #	70-130	76.6 #	30
Bromomethane	664		250	2,500		26.6 #	50-150	58.4 #	30
Chloroethane	553		99.9	2,500		22.1 #	70-130	64.4 #	30
Trichlorofluoromethane	2,300		99.9	2,500		92.2	70-130	65.6 #	30
1,1-Dichloroethene	1,970		99.9	2,500		78.7	59-172	54.2 #	22
Carbon disulfide	1,440		99.9	2,500		57.8 #	70-130	57.5 #	30
1,1,2-Trichloro-1,2,2-trifluoroethane	2,270		99.9	2,500		90.9	70-130	61.2 #	30
Acetone	2,650		500	2,500	383	90.9	50-150	4.52	30
Methylene chloride	2,100		99.9	2,500		83.9	70-130	33.2 #	30
Methyl acetate	1,960		250	2,500	41.9	76.8	70-130	16.3	30
trans-1,2-Dichloroethene	1,920		99.9	2,500		76.7	70-130	41.7 #	30
cis-1,2-Dichloroethene	2,030		99.9	2,500		81.1	70-130	26.4	30
Methyl tert-butyl ether	1,950		99.9	2,500		78.2	70-130	22.6	30
1,1-Dichloroethane	1,930		99.9	2,500		77.3	70-130	31.7 #	30
2-Butanone	2,200		250	2,500	149	82.1	50-150	9.85	30
Chloroform	2,090		99.9	2,500		83.7	70-130	23.9	30
1,2-Dichloroethane	2,170		99.9	2,500		87.0	70-130	23.9	30
1,1,1-Trichloroethane	2,230		99.9	2,500		89.1	70-130	22.4	30

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Volatiles by EPA Method 8260 - GC/MS (Solid Prep) - Quality Control

Batch: B0E2301 **Sample Type: Solid**

Matrix Spike Dup (B0E2301-MSD1)

Source: 1005017-01 Prepared: 5/22/2010 Analyzed: 5/22/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit
Cyclohexane	1,620		99.9	2,500		64.8	#	70-130	37.7	#	30
Carbon tetrachloride	2,210		99.9	2,500		88.4		70-130	22.3		30
Benzene	2,000		99.9	2,500		80.1		66-142	15.5		21
Trichloroethene	1,830		99.9	2,500		73.2		62-137	16.1		24
Methylcyclohexane	1,430		99.9	2,500		57.3	#	70-130	40.8	#	30
1,2-Dichloropropane	1,770		99.9	2,500		71.0		70-130	10.1		30
Bromodichloromethane	2,080		99.9	2,500		83.1		70-130	7.56		30
cis-1,3-Dichloropropene	1,700		99.9	2,500		68.0	#	70-130	9.21		30
trans-1,3-Dichloropropene	1,930		99.9	2,500		77.3		70-130	8.44		30
1,1,2-Trichloroethane	2,100		99.9	2,500		84.2		70-130	5.96		30
Dibromochloromethane	2,130		99.9	2,500		85.4		70-130	5.30		30
Bromoform	2,260		99.9	2,500		90.5		70-130	4.71		30
4-Methyl-2-pentanone	1,760		250	2,500		70.6		70-130	9.35		30
Toluene	1,860		99.9	2,500		74.6		59-139	18.9		21
Tetrachloroethene	1,830		99.9	2,500		73.1		70-130	23.1		30
2-Hexanone	1,640		250	2,500		65.6	#	70-130	6.06		30
1,2-Dibromoethane	1,970		99.9	2,500		79.0		70-130	11.5		30
Chlorobenzene	1,920		99.9	2,500		77.0		60-133	14.3		21
Ethylbenzene	1,780		99.9	2,500		71.2		70-130	18.1		30
meta-/para-Xylene	3,830		200	5,000		76.7		70-130	18.5		30
ortho-Xylene	1,850		99.9	2,500		74.0		70-130	17.7		30
Styrene	2,210		99.9	2,500		88.4		70-130	14.6		30
Isopropylbenzene	1,790		99.9	2,500		71.8		70-130	18.8		30
1,1,2,2-Tetrachloroethane	2,210		99.9	2,500		88.6		70-130	8.73		30
1,3-Dichlorobenzene	1,970		99.9	2,500		78.7		70-130	16.2		30
1,4-Dichlorobenzene	2,050		99.9	2,500		82.2		70-130	17.2		30
1,2-Dichlorobenzene	2,080		99.9	2,500		83.1		70-130	14.6		30
1,2-Dibromo-3-chloropropane	2,020		250	2,500		81.0		50-150	10.6		30
1,2,4-Trichlorobenzene	1,970		250	2,500		78.9		70-130	21.9		30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1904 **Sample Type: Liquid**

Blank (B0E1904-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	79.6		75.0	106	41-121
Surr: Phenol-d5	84.2		75.0	112	43-118
Surr: 2-Chlorophenol-d4	77.2		75.0	103	46-123
Surr: 1,2-Dichlorobenzene-d4	43.7		50.0	87.4	35-110
Surr: Nitrobenzene-d5	56.9		50.0	114	44-127
Surr: 2-Fluorobiphenyl	50.9		50.0	102	45-115
Surr: 2,4,6-Tribromophenol	84.3		75.0	112	55-139
Surr: Terphenyl-d14	49.2		50.0	98.4	63-131

Blank (B0E1904-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

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: B0E1904 **Sample Type: Liquid**

Blank (B0E1904-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

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: B0E1904 **Sample Type: Liquid**

Blank (B0E1904-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

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: B0E1904 **Sample Type: Liquid**

LCS (B0E1904-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	79.0		75.0	105	41-121
Surr: Phenol-d5	83.2		75.0	111	43-118
Surr: 2-Chlorophenol-d4	77.5		75.0	103	46-123
Surr: 1,2-Dichlorobenzene-d4	39.6		50.0	79.2	35-110
Surr: Nitrobenzene-d5	55.9		50.0	112	44-127
Surr: 2-Fluorobiphenyl	55.0		50.0	110	45-115
Surr: 2,4,6-Tribromophenol	88.1		75.0	118	55-139
Surr: Terphenyl-d14	46.6		50.0	93.1	63-131

LCS (B0E1904-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	27.0		2.0	25.0	108	45-117
Acenaphthylene	28.2		2.0	25.0	113	61-117
Acetophenone	31.1		5.0	25.0	125 #	62-123
Anthracene	28.2		2.0	25.0	113	70-120
Atrazine	31.1		5.0	25.0	125	73-131
Benzaldehyde	29.0		5.0	25.0	116	46-134
Benzoic acid	21.4		10.0	25.0	85.6	53-141
Benzo (a) anthracene	28.6		5.0	25.0	114	72-121
Benzo (a) pyrene	31.1		5.0	25.0	124	67-125
Benzo (b) fluoranthene	31.1		5.0	25.0	124	61-137
Benzo (g,h,i) perylene	33.2		5.0	25.0	133 #	62-130
Benzo (k) fluoranthene	28.9		5.0	25.0	116	63-133
Benzyl alcohol	26.0		5.0	25.0	104	60-121
1,1'-Biphenyl	29.8		5.0	25.0	119	61-123
Bis(2-chloroethoxy)methane	27.2		5.0	25.0	109	58-119
Bis(2-chloroethyl)ether	26.7		5.0	25.0	107	52-119

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1904 **Sample Type: Liquid**

LCS (B0E1904-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	25.4		5.0	25.0	101	70-130
Bis(2-ethylhexyl)phthalate	28.3		5.0	25.0	113	52-151
4-Bromophenyl phenyl ether	26.1		5.0	25.0	104	66-124
Butyl benzyl phthalate	29.3		5.0	25.0	117	57-144
Carbazole	28.9		5.0	25.0	115	73-130
Caprolactam	29.4		5.0	25.0	118	55-132
4-Chloroaniline	26.3		5.0	25.0	105	46-115
2-Chloronaphthalene	26.8		5.0	25.0	107	58-112
2-Chlorophenol	26.9		5.0	25.0	108	38-122
4-Chlorophenyl phenyl ether	26.8		5.0	25.0	107	63-123
4-Chloro-3-methylphenol	27.6		5.0	25.0	111	42-126
Chrysene	28.7		5.0	25.0	115	72-119
Dibenzofuran	27.3		5.0	25.0	109	68-115
Dibenz (a,h) anthracene	34.6		5.0	25.0	138	# 63-136
1,2-Dichlorobenzene	18.4		5.0	25.0	73.5	39-90
1,3-Dichlorobenzene	15.9		5.0	25.0	63.4	27-89
1,4-Dichlorobenzene	16.8		5.0	25.0	67.2	28-92
3,3´-Dichlorobenzidine	27.4		5.0	25.0	110	30-146
2,4-Dichlorophenol	28.1		5.0	25.0	113	59-127
Diethyl phthalate	27.7		5.0	25.0	111	65-127
2,4-Dimethylphenol	24.9		5.0	25.0	99.6	70-130
Dimethyl phthalate	26.5		5.0	25.0	106	65-123
2,4-Dinitrophenol	22.8		20.0	25.0	91.2	39-154
2,4-Dinitrotoluene	29.1		5.0	25.0	116	50-125
2,6-Dinitrotoluene	27.6		5.0	25.0	110	59-136
4,6-Dinitro-2-methylphenol	26.2		20.0	25.0	105	43-153
Di-n-butyl phthalate	29.9		5.0	25.0	120	59-142
Di-n-octyl phthalate	28.0		5.0	25.0	112	46-152
Fluoranthene	29.8		2.0	25.0	119	72-124
Fluorene	27.6		2.0	25.0	110	66-120

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1904 **Sample Type: Liquid**

LCS (B0E1904-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	26.0		5.0	25.0	104	69-119
Hexachlorobutadiene	20.1		5.0	25.0	80.3	21-106
Hexachlorocyclopentadiene	24.6		5.0	25.0	98.2	50-150
Hexachloroethane	14.2		5.0	25.0	56.9	10-80
Indeno (1,2,3-cd) pyrene	34.2		5.0	25.0	137 #	63-133
Isophorone	26.3		5.0	25.0	105	58-123
2-Methylnaphthalene	26.4		2.0	25.0	105	53-110
2-Methylphenol	27.8		5.0	25.0	111	58-114
3 &/or 4-Methylphenol	27.8		5.0	25.0	111	58-116
Naphthalene	25.9		2.0	25.0	104	57-106
2-Nitroaniline	29.8		8.0	25.0	119	56-137
3-Nitroaniline	31.0		8.0	25.0	124	57-130
4-Nitroaniline	36.5		8.0	25.0	146 #	56-133
Nitrobenzene	27.0		5.0	25.0	108	58-123
2-Nitrophenol	29.0		5.0	25.0	116	50-145
4-Nitrophenol	31.2		13.0	25.0	125	42-141
N-Nitrosodiphenylamine	26.6		5.0	25.0	107	71-120
N-Nitrosodi-n-propylamine	27.9		5.0	25.0	112	40-120
Pentachlorophenol	28.5		5.0	25.0	114	39-139
Phenanthrene	27.6		2.0	25.0	110	73-118
Phenol	26.6		5.0	25.0	107	37-118
Pyrene	27.2		2.0	25.0	109	59-120
1,2,4-Trichlorobenzene	22.7		5.0	25.0	90.9	32-100
2,4,5-Trichlorophenol	28.0		5.0	25.0	112	60-134
2,4,6-Trichlorophenol	27.8		5.0	25.0	111	58-135

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Blank (B0E1913-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,540,000		1.50E6	102	10-153
Surr: Phenol-d5	1,610,000		1.50E6	107	16-138
Surr: 2-Chlorophenol-d4	1,520,000		1.50E6	102	16-135
Surr: 1,2-Dichlorobenzene-d4	1,050,000		1.00E6	105	28-127
Surr: Nitrobenzene-d5	1,010,000		1.00E6	101	20-142
Surr: 2-Fluorobiphenyl	1,050,000		1.00E6	105	40-129
Surr: 2,4,6-Tribromophenol	1,500,000		1.50E6	99.8	10-151
Surr: Terphenyl-d14	797,000		1.00E6	79.7	29-129

Blank (B0E1913-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Acenaphthene	U		40,000
Acenaphthylene	U		40,000
Acetophenone	U		100,000
Anthracene	U		40,000
Atrazine	U		100,000
Benzaldehyde	U		100,000
Benzoic acid	U		200,000
Benzo (a) anthracene	U		100,000
Benzo (a) pyrene	U		100,000
Benzo (b) fluoranthene	U		100,000
Benzo (g,h,i) perylene	U		100,000
Benzo (k) fluoranthene	U		100,000
Benzyl alcohol	U		100,000
1,1'-Biphenyl	U		100,000
Bis(2-chloroethoxy)methane	U		100,000
Bis(2-chloroethyl)ether	U		100,000

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Blank (B0E1913-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Bis(2-chloroisopropyl)ether	U		100,000
Bis(2-ethylhexyl)phthalate	U		100,000
4-Bromophenyl phenyl ether	U		100,000
Butyl benzyl phthalate	U		100,000
Carbazole	U		100,000
Caprolactam	U		100,000
4-Chloroaniline	U		100,000
2-Chloronaphthalene	U		100,000
2-Chlorophenol	U		100,000
4-Chlorophenyl phenyl ether	U		100,000
4-Chloro-3-methylphenol	U		100,000
Chrysene	U		100,000
Dibenzofuran	U		100,000
Dibenz (a,h) anthracene	U		100,000
1,2-Dichlorobenzene	U		100,000
1,3-Dichlorobenzene	U		100,000
1,4-Dichlorobenzene	U		100,000
3,3´-Dichlorobenzidine	U		100,000
2,4-Dichlorophenol	U		100,000
Diethyl phthalate	U		100,000
2,4-Dimethylphenol	U		100,000
Dimethyl phthalate	U		100,000
2,4-Dinitrophenol	U		400,000
2,4-Dinitrotoluene	U		100,000
2,6-Dinitrotoluene	U		100,000
4,6-Dinitro-2-methylphenol	U		400,000
Di-n-butyl phthalate	U		100,000
Di-n-octyl phthalate	U		100,000
Fluoranthene	U		40,000
Fluorene	U		40,000

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Blank (B0E1913-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit
Hexachlorobenzene	U		100,000
Hexachlorobutadiene	U		100,000
Hexachlorocyclopentadiene	U		100,000
Hexachloroethane	U		100,000
Indeno (1,2,3-cd) pyrene	U		100,000
Isophorone	U		100,000
2-Methylnaphthalene	U		40,000
2-Methylphenol	U		100,000
3 &/or 4-Methylphenol	U		100,000
Naphthalene	U		40,000
2-Nitroaniline	U		160,000
3-Nitroaniline	U		160,000
4-Nitroaniline	U		160,000
Nitrobenzene	U		100,000
2-Nitrophenol	U		100,000
4-Nitrophenol	U		260,000
N-Nitrosodiphenylamine	U		100,000
N-Nitrosodi-n-propylamine	U		100,000
Pentachlorophenol	U		100,000
Phenanthrene	U		40,000
Phenol	U		100,000
Pyrene	U		40,000
1,2,4-Trichlorobenzene	U		100,000
2,4,5-Trichlorophenol	U		100,000
2,4,6-Trichlorophenol	U		100,000

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

LCS (B0E1913-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,200,000		1.40E6	85.8	10-153
Surr: Phenol-d5	1,290,000		1.40E6	92.2	16-138
Surr: 2-Chlorophenol-d4	1,220,000		1.40E6	87.0	16-135
Surr: 1,2-Dichlorobenzene-d4	851,000		935,000	91.0	28-127
Surr: Nitrobenzene-d5	818,000		935,000	87.5	20-142
Surr: 2-Fluorobiphenyl	834,000		935,000	89.2	40-129
Surr: 2,4,6-Tribromophenol	1,190,000		1.40E6	85.1	10-151
Surr: Terphenyl-d14	631,000		935,000	67.5	29-129

LCS (B0E1913-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	382,000		37,400	467,000	81.8	70-130
Acenaphthylene	394,000		37,400	467,000	84.2	70-130
Acetophenone	384,000		93,500	467,000	82.2	70-130
Anthracene	384,000		37,400	467,000	82.2	70-130
Atrazine	364,000		93,500	467,000	78.0	70-130
Benzaldehyde	372,000		93,500	467,000	79.6	70-130
Benzoic acid	366,000		187,000	467,000	78.2	70-130
Benzo (a) anthracene	399,000		93,500	467,000	85.4	70-130
Benzo (a) pyrene	381,000		93,500	467,000	81.6	70-130
Benzo (b) fluoranthene	376,000		93,500	467,000	80.4	70-130
Benzo (g,h,i) perylene	378,000		93,500	467,000	80.9	70-130
Benzo (k) fluoranthene	362,000		93,500	467,000	77.4	70-130
Benzyl alcohol	434,000		93,500	467,000	92.9	70-130
1,1'-Biphenyl	341,000		93,500	467,000	72.9	70-130
Bis(2-chloroethoxy)methane	409,000		93,500	467,000	87.5	70-130
Bis(2-chloroethyl)ether	416,000		93,500	467,000	88.9	70-130

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 - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

LCS (B0E1913-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	423,000		93,500	467,000	90.6	70-130
Bis(2-ethylhexyl)phthalate	311,000		93,500	467,000	66.5 #	70-130
4-Bromophenyl phenyl ether	372,000		93,500	467,000	79.7	70-130
Butyl benzyl phthalate	363,000		93,500	467,000	77.7	70-130
Carbazole	430,000		93,500	467,000	92.0	70-130
Caprolactam	380,000		93,500	467,000	81.3	70-130
4-Chloroaniline	423,000		93,500	467,000	90.5	70-130
2-Chloronaphthalene	378,000		93,500	467,000	80.9	70-130
2-Chlorophenol	413,000		93,500	467,000	88.3	70-130
4-Chlorophenyl phenyl ether	393,000		93,500	467,000	84.0	70-130
4-Chloro-3-methylphenol	428,000		93,500	467,000	91.6	70-130
Chrysene	387,000		93,500	467,000	82.9	70-130
Dibenzofuran	382,000		93,500	467,000	81.7	70-130
Dibenz (a,h) anthracene	362,000		93,500	467,000	77.6	70-130
1,2-Dichlorobenzene	415,000		93,500	467,000	88.8	70-130
1,3-Dichlorobenzene	388,000		93,500	467,000	83.0	70-130
1,4-Dichlorobenzene	403,000		93,500	467,000	86.3	70-130
3,3´-Dichlorobenzidine	535,000		93,500	467,000	114	70-130
2,4-Dichlorophenol	396,000		93,500	467,000	84.8	70-130
Diethyl phthalate	392,000		93,500	467,000	83.8	70-130
2,4-Dimethylphenol	396,000		93,500	467,000	84.8	70-130
Dimethyl phthalate	395,000		93,500	467,000	84.5	70-130
2,4-Dinitrophenol	385,000		374,000	467,000	82.3	70-130
2,4-Dinitrotoluene	414,000		93,500	467,000	88.5	70-130
2,6-Dinitrotoluene	395,000		93,500	467,000	84.4	70-130
4,6-Dinitro-2-methylphenol	385,000		374,000	467,000	82.4	70-130
Di-n-butyl phthalate	404,000		93,500	467,000	86.4	70-130
Di-n-octyl phthalate	338,000		93,500	467,000	72.4	70-130
Fluoranthene	397,000		37,400	467,000	85.0	70-130
Fluorene	388,000		37,400	467,000	83.0	70-130

Environmental Protection Agency
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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

LCS (B0E1913-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	357,000		93,500	467,000	76.4	70-130
Hexachlorobutadiene	391,000		93,500	467,000	83.7	70-130
Hexachlorocyclopentadiene	387,000		93,500	467,000	82.8	70-130
Hexachloroethane	428,000		93,500	467,000	91.7	70-130
Indeno (1,2,3-cd) pyrene	379,000		93,500	467,000	81.1	70-130
Isophorone	409,000		93,500	467,000	87.6	70-130
2-Methylnaphthalene	395,000		37,400	467,000	84.5	70-130
2-Methylphenol	412,000		93,500	467,000	88.1	70-130
3 &/or 4-Methylphenol	419,000		93,500	467,000	89.8	70-130
Naphthalene	395,000		37,400	467,000	84.4	70-130
2-Nitroaniline	417,000		150,000	467,000	89.3	70-130
3-Nitroaniline	467,000		150,000	467,000	100	70-130
4-Nitroaniline	459,000		150,000	467,000	98.3	70-130
Nitrobenzene	405,000		93,500	467,000	86.6	70-130
2-Nitrophenol	403,000		93,500	467,000	86.3	70-130
4-Nitrophenol	451,000		243,000	467,000	96.5	70-130
N-Nitrosodiphenylamine	375,000		93,500	467,000	80.3	70-130
N-Nitrosodi-n-propylamine	427,000		93,500	467,000	91.3	70-130
Pentachlorophenol	388,000		93,500	467,000	83.1	70-130
Phenanthrene	389,000		37,400	467,000	83.2	70-130
Phenol	420,000		93,500	467,000	90.0	70-130
Pyrene	350,000		37,400	467,000	75.0	70-130
1,2,4-Trichlorobenzene	386,000		93,500	467,000	82.6	70-130
2,4,5-Trichlorophenol	386,000		93,500	467,000	82.5	70-130
2,4,6-Trichlorophenol	395,000		93,500	467,000	84.5	70-130

Environmental Protection Agency
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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B0E1913-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,120,000		1.26E6	88.9	10-153
Surr: Phenol-d5	1,240,000		1.26E6	98.6	16-138
Surr: 2-Chlorophenol-d4	1,200,000		1.26E6	95.2	16-135
Surr: 1,2-Dichlorobenzene-d4	842,000		840,000	100	28-127
Surr: Nitrobenzene-d5	804,000		840,000	95.7	20-142
Surr: 2-Fluorobiphenyl	884,000		840,000	105	40-129
Surr: 2,4,6-Tribromophenol	1,260,000		1.26E6	99.6	10-151
Surr: Terphenyl-d14	703,000		840,000	83.6	29-129

Matrix Spike (B0E1913-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Acenaphthene	377,000		33,600	420,000		89.8	70-130
Acenaphthylene	390,000		33,600	420,000		92.9	70-130
Acetophenone	378,000		84,000	420,000		89.9	70-130
Anthracene	369,000		33,600	420,000		87.9	70-130
Atrazine	369,000		84,000	420,000		87.9	70-130
Benzaldehyde	354,000		84,000	420,000		84.2	70-130
Benzoic acid	47,100	J	168,000	420,000	3,730	10.3 #	70-130
Benzo (a) anthracene	377,000		84,000	420,000		89.7	70-130
Benzo (a) pyrene	374,000		84,000	420,000		89.0	70-130
Benzo (b) fluoranthene	387,000		84,000	420,000		92.0	70-130
Benzo (g,h,i) perylene	335,000		84,000	420,000		79.8	70-130
Benzo (k) fluoranthene	353,000		84,000	420,000		84.1	70-130
Benzyl alcohol	422,000		84,000	420,000		100	70-130
1,1'-Biphenyl	361,000		84,000	420,000		85.8	70-130
Bis(2-chloroethoxy)methane	394,000		84,000	420,000		93.8	70-130
Bis(2-chloroethyl)ether	386,000		84,000	420,000		92.0	70-130

Environmental Protection Agency
Region 6 Laboratory
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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B0E1913-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	412,000		84,000	420,000		98.0	70-130
Bis(2-ethylhexyl)phthalate	349,000		84,000	420,000		83.1	70-130
4-Bromophenyl phenyl ether	371,000		84,000	420,000		88.3	70-130
Butyl benzyl phthalate	411,000		84,000	420,000		97.7	70-130
Carbazole	387,000		84,000	420,000		92.1	70-130
Caprolactam	331,000		84,000	420,000		78.8	70-130
4-Chloroaniline	400,000		84,000	420,000		95.1	70-130
2-Chloronaphthalene	396,000		84,000	420,000		94.3	70-130
2-Chlorophenol	404,000		84,000	420,000		96.1	70-130
4-Chlorophenyl phenyl ether	362,000		84,000	420,000		86.0	70-130
4-Chloro-3-methylphenol	426,000		84,000	420,000		101	70-130
Chrysene	404,000		84,000	420,000	27,100	89.6	70-130
Dibenzofuran	370,000		84,000	420,000		88.1	70-130
Dibenz (a,h) anthracene	336,000		84,000	420,000		80.0	70-130
1,2-Dichlorobenzene	400,000		84,000	420,000	4,920	94.1	70-130
1,3-Dichlorobenzene	383,000		84,000	420,000		91.2	70-130
1,4-Dichlorobenzene	380,000		84,000	420,000		90.5	70-130
3,3´-Dichlorobenzidine	375,000		84,000	420,000		89.3	70-130
2,4-Dichlorophenol	384,000		84,000	420,000		91.4	70-130
Diethyl phthalate	367,000		84,000	420,000		87.2	70-130
2,4-Dimethylphenol	432,000		84,000	420,000		103	70-130
Dimethyl phthalate	391,000		84,000	420,000		93.1	70-130
2,4-Dinitrophenol	148,000		336,000	420,000		35.1 #	70-130
2,4-Dinitrotoluene	390,000		84,000	420,000		92.9	70-130
2,6-Dinitrotoluene	393,000		84,000	420,000		93.5	70-130
4,6-Dinitro-2-methylphenol	226,000		336,000	420,000		53.9 #	70-130
Di-n-butyl phthalate	392,000		84,000	420,000		93.3	70-130
Di-n-octyl phthalate	340,000		84,000	420,000		80.9	70-130
Fluoranthene	341,000		33,600	420,000		81.1	70-130
Fluorene	359,000		33,600	420,000	12,200	82.7	70-130

Environmental Protection Agency
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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B0E1913-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hexachlorobenzene	361,000		84,000	420,000		86.0	70-130
Hexachlorobutadiene	388,000		84,000	420,000		92.4	70-130
Hexachlorocyclopentadiene	361,000		84,000	420,000		86.0	70-130
Hexachloroethane	411,000		84,000	420,000		97.8	70-130
Indeno (1,2,3-cd) pyrene	340,000		84,000	420,000		80.9	70-130
Isophorone	397,000		84,000	420,000		94.4	70-130
2-Methylnaphthalene	382,000		33,600	420,000		90.8	70-130
2-Methylphenol	407,000		84,000	420,000		97.0	70-130
3 &/or 4-Methylphenol	419,000		84,000	420,000		99.7	70-130
Naphthalene	391,000		33,600	420,000		93.2	70-130
2-Nitroaniline	425,000		134,000	420,000		101	70-130
3-Nitroaniline	385,000		134,000	420,000		91.6	70-130
4-Nitroaniline	331,000		134,000	420,000		78.7	70-130
Nitrobenzene	395,000		84,000	420,000		93.9	70-130
2-Nitrophenol	389,000		84,000	420,000		92.5	70-130
4-Nitrophenol	417,000		218,000	420,000		99.3	70-130
N-Nitrosodiphenylamine	393,000		84,000	420,000		93.6	70-130
N-Nitrosodi-n-propylamine	419,000		84,000	420,000		99.8	70-130
Pentachlorophenol	355,000		84,000	420,000		84.6	70-130
Phenanthrene	403,000		33,600	420,000	21,700	90.6	70-130
Phenol	401,000		84,000	420,000		95.3	70-130
Pyrene	415,000		33,600	420,000	6,610	97.2	70-130
1,2,4-Trichlorobenzene	388,000		84,000	420,000		92.4	70-130
2,4,5-Trichlorophenol	407,000		84,000	420,000		96.8	70-130
2,4,6-Trichlorophenol	413,000		84,000	420,000		98.2	70-130

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 - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B0E1913-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	1,190,000		1.22E6	97.6	10-153
Surr: Phenol-d5	1,310,000		1.22E6	107	16-138
Surr: 2-Chlorophenol-d4	1,250,000		1.22E6	102	16-135
Surr: 1,2-Dichlorobenzene-d4	891,000		813,000	110	28-127
Surr: Nitrobenzene-d5	842,000		813,000	104	20-142
Surr: 2-Fluorobiphenyl	915,000		813,000	113	40-129
Surr: 2,4,6-Tribromophenol	1,280,000		1.22E6	105	10-151
Surr: Terphenyl-d14	733,000		813,000	90.2	29-129

Matrix Spike Dup (B0E1913-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthene	392,000		32,500	407,000		96.4	70-130	3.87	30
Acenaphthylene	402,000		32,500	407,000		98.8	70-130	2.87	30
Acetophenone	400,000		81,300	407,000		98.3	70-130	5.63	30
Anthracene	391,000		32,500	407,000		96.1	70-130	5.61	30
Atrazine	388,000		81,300	407,000		95.6	70-130	5.07	30
Benzaldehyde	374,000		81,300	407,000		92.1	70-130	5.64	30
Benzoic acid	48,800	J	163,000	407,000	3,730	11.1 #	70-130	3.59	30
Benzo (a) anthracene	405,000		81,300	407,000		99.6	70-130	7.22	30
Benzo (a) pyrene	389,000		81,300	407,000		95.6	70-130	3.93	30
Benzo (b) fluoranthene	376,000		81,300	407,000		92.6	70-130	2.74	30
Benzo (g,h,i) perylene	339,000		81,300	407,000		83.4	70-130	1.16	30
Benzo (k) fluoranthene	410,000		81,300	407,000		101	70-130	14.8	30
Benzyl alcohol	448,000		81,300	407,000		110	70-130	6.05	30
1,1'-Biphenyl	374,000		81,300	407,000		91.9	70-130	3.54	30
Bis(2-chloroethoxy)methane	413,000		81,300	407,000		102	70-130	4.60	30
Bis(2-chloroethyl)ether	402,000		81,300	407,000		99.0	70-130	4.07	30

Environmental Protection Agency
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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B0E1913-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bis(2-chloroisopropyl)ether	435,000		81,300	407,000		107	70-130	5.48	30
Bis(2-ethylhexyl)phthalate	377,000		81,300	407,000		92.7	70-130	7.63	30
4-Bromophenyl phenyl ether	386,000		81,300	407,000		95.0	70-130	3.94	30
Butyl benzyl phthalate	428,000		81,300	407,000		105	70-130	4.26	30
Carbazole	422,000		81,300	407,000		104	70-130	8.66	30
Caprolactam	303,000		81,300	407,000		74.6	70-130	8.83	30
4-Chloroaniline	418,000		81,300	407,000		103	70-130	4.54	30
2-Chloronaphthalene	411,000		81,300	407,000		101	70-130	3.62	30
2-Chlorophenol	427,000		81,300	407,000		105	70-130	5.49	30
4-Chlorophenyl phenyl ether	372,000		81,300	407,000		91.6	70-130	2.91	30
4-Chloro-3-methylphenol	446,000		81,300	407,000		110	70-130	4.51	30
Chrysene	438,000		81,300	407,000	27,100	101	70-130	8.13	30
Dibenzofuran	384,000		81,300	407,000		94.4	70-130	3.67	30
Dibenz (a,h) anthracene	350,000		81,300	407,000		86.2	70-130	4.11	30
1,2-Dichlorobenzene	425,000		81,300	407,000	4,920	103	70-130	5.99	30
1,3-Dichlorobenzene	399,000		81,300	407,000		98.1	70-130	4.05	30
1,4-Dichlorobenzene	408,000		81,300	407,000		100	70-130	6.97	30
3,3´-Dichlorobenzidine	399,000		81,300	407,000		98.2	70-130	6.21	30
2,4-Dichlorophenol	409,000		81,300	407,000		101	70-130	6.25	30
Diethyl phthalate	386,000		81,300	407,000		94.8	70-130	5.05	30
2,4-Dimethylphenol	454,000		81,300	407,000		112	70-130	4.95	30
Dimethyl phthalate	407,000		81,300	407,000		100	70-130	4.06	30
2,4-Dinitrophenol	148,000		325,000	407,000		36.5 #	70-130	0.49	30
2,4-Dinitrotoluene	400,000		81,300	407,000		98.4	70-130	2.46	30
2,6-Dinitrotoluene	402,000		81,300	407,000		99.0	70-130	2.43	30
4,6-Dinitro-2-methylphenol	226,000		325,000	407,000		55.5 #	70-130	0.38	30
Di-n-butyl phthalate	420,000		81,300	407,000		103	70-130	7.03	30
Di-n-octyl phthalate	372,000		81,300	407,000		91.6	70-130	9.08	30
Fluoranthene	375,000		32,500	407,000		92.3	70-130	9.67	30
Fluorene	372,000		32,500	407,000	12,200	88.4	70-130	3.34	30

Environmental Protection Agency
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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1913 **Sample Type: Non-Aqueous Liquid**

Matrix Spike Dup (B0E1913-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobenzene	380,000		81,300	407,000		93.5	70-130	5.03	30
Hexachlorobutadiene	407,000		81,300	407,000		100	70-130	4.60	30
Hexachlorocyclopentadiene	362,000		81,300	407,000		89.1	70-130	0.21	30
Hexachloroethane	440,000		81,300	407,000		108	70-130	6.83	30
Indeno (1,2,3-cd) pyrene	351,000		81,300	407,000		86.3	70-130	3.20	30
Isophorone	417,000		81,300	407,000		102	70-130	4.86	30
2-Methylnaphthalene	402,000		32,500	407,000		99.0	70-130	5.34	30
2-Methylphenol	436,000		81,300	407,000		107	70-130	6.77	30
3 &/or 4-Methylphenol	439,000		81,300	407,000		108	70-130	4.60	30
Naphthalene	410,000		32,500	407,000		101	70-130	4.61	30
2-Nitroaniline	436,000		130,000	407,000		107	70-130	2.64	30
3-Nitroaniline	422,000		130,000	407,000		104	70-130	9.22	30
4-Nitroaniline	361,000		130,000	407,000		88.9	70-130	8.92	30
Nitrobenzene	418,000		81,300	407,000		103	70-130	5.80	30
2-Nitrophenol	409,000		81,300	407,000		101	70-130	5.18	30
4-Nitrophenol	429,000		211,000	407,000		105	70-130	2.71	30
N-Nitrosodiphenylamine	404,000		81,300	407,000		99.3	70-130	2.67	30
N-Nitrosodi-n-propylamine	444,000		81,300	407,000		109	70-130	5.69	30
Pentachlorophenol	364,000		81,300	407,000		89.6	70-130	2.53	30
Phenanthrene	430,000		32,500	407,000	21,700	101	70-130	6.66	30
Phenol	423,000		81,300	407,000		104	70-130	5.52	30
Pyrene	425,000		32,500	407,000	6,610	103	70-130	2.40	30
1,2,4-Trichlorobenzene	406,000		81,300	407,000		99.8	70-130	4.40	30
2,4,5-Trichlorophenol	417,000		81,300	407,000		103	70-130	2.55	30
2,4,6-Trichlorophenol	432,000		81,300	407,000		106	70-130	4.68	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Blank (B0E1921-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	12,600		15,000	83.8	32-105
Surr: Phenol-d5	13,100		15,000	87.3	39-104
Surr: 2-Chlorophenol-d4	11,900		15,000	79.6	38-105
Surr: 1,2-Dichlorobenzene-d4	7,760		9,990	77.7	37-103
Surr: Nitrobenzene-d5	8,360		9,990	83.6	39-109
Surr: 2-Fluorobiphenyl	8,760		9,990	87.7	44-107
Surr: 2,4,6-Tribromophenol	12,500		15,000	83.7	38-126
Surr: Terphenyl-d14	8,010		9,990	80.2	56-127

Blank (B0E1921-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit
Acenaphthene	U		400
Acenaphthylene	U		400
Acetophenone	U		999
Anthracene	U		400
Atrazine	U		999
Benzaldehyde	U		999
Benzoic acid	U		2,000
Benzo (a) anthracene	U		999
Benzo (a) pyrene	U		999
Benzo (b) fluoranthene	U		999
Benzo (g,h,i) perylene	U		999
Benzo (k) fluoranthene	U		999
Benzyl alcohol	U		999
1,1'-Biphenyl	U		999
Bis(2-chloroethoxy)methane	U		999
Bis(2-chloroethyl)ether	U		999

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Blank (B0E1921-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit
Bis(2-chloroisopropyl)ether	U		999
Bis(2-ethylhexyl)phthalate	U		999
4-Bromophenyl phenyl ether	U		999
Butyl benzyl phthalate	U		999
Carbazole	U		999
Caprolactam	U		999
4-Chloroaniline	U		999
2-Chloronaphthalene	U		999
2-Chlorophenol	U		999
4-Chlorophenyl phenyl ether	U		999
4-Chloro-3-methylphenol	U		999
Chrysene	U		999
Dibenzofuran	U		999
Dibenz (a,h) anthracene	U		999
1,2-Dichlorobenzene	U		999
1,3-Dichlorobenzene	U		999
1,4-Dichlorobenzene	U		999
3,3´-Dichlorobenzidine	U		999
2,4-Dichlorophenol	U		999
Diethyl phthalate	U		999
2,4-Dimethylphenol	U		999
Dimethyl phthalate	U		999
2,4-Dinitrophenol	U		4,000
2,4-Dinitrotoluene	U		999
2,6-Dinitrotoluene	U		999
4,6-Dinitro-2-methylphenol	U		4,000
Di-n-butyl phthalate	U		999
Di-n-octyl phthalate	U		999
Fluoranthene	U		400
Fluorene	U		400

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Batch: B0E1921 **Sample Type: Solid**

Blank (B0E1921-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit
Hexachlorobenzene	U		999
Hexachlorobutadiene	U		999
Hexachlorocyclopentadiene	U		999
Hexachloroethane	U		999
Indeno (1,2,3-cd) pyrene	U		999
Isophorone	U		999
2-Methylnaphthalene	U		400
2-Methylphenol	U		999
3 &/or 4-Methylphenol	U		999
Naphthalene	U		400
2-Nitroaniline	U		1,600
3-Nitroaniline	U		1,600
4-Nitroaniline	U		1,600
Nitrobenzene	U		999
2-Nitrophenol	U		999
4-Nitrophenol	U		2,600
N-Nitrosodiphenylamine	U		999
N-Nitrosodi-n-propylamine	U		999
Pentachlorophenol	U		999
Phenanthrene	U		400
Phenol	U		999
Pyrene	U		400
1,2,4-Trichlorobenzene	U		999
2,4,5-Trichlorophenol	U		999
2,4,6-Trichlorophenol	U		999

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

LCS (B0E1921-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	10,000		15,000	66.9	32-105
Surr: Phenol-d5	10,500		15,000	70.3	39-104
Surr: 2-Chlorophenol-d4	9,610		15,000	64.1	38-105
Surr: 1,2-Dichlorobenzene-d4	6,230		10,000	62.4	37-103
Surr: Nitrobenzene-d5	6,790		10,000	67.9	39-109
Surr: 2-Fluorobiphenyl	7,480		10,000	74.8	44-107
Surr: 2,4,6-Tribromophenol	12,100		15,000	80.8	38-126
Surr: Terphenyl-d14	7,430		10,000	74.3	56-127

LCS (B0E1921-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Acenaphthene	7,440		400	10,000	74.4	43-106
Acenaphthylene	7,670		400	10,000	76.7	48-111
Acetophenone	7,610		1,000	10,000	76.1	36-110
Anthracene	8,620		400	10,000	86.2	53-123
Atrazine	9,790		1,000	10,000	97.9	63-133
Benzaldehyde	6,640		1,000	10,000	66.4	21-102
Benzoic acid	1,350		2,000	10,000	13.5	10-115
Benzo (a) anthracene	9,450		1,000	10,000	94.5	58-129
Benzo (a) pyrene	10,400		1,000	10,000	104	69-125
Benzo (b) fluoranthene	9,990		1,000	10,000	99.9	65-126
Benzo (g,h,i) perylene	9,850		1,000	10,000	98.5	50-137
Benzo (k) fluoranthene	9,730		1,000	10,000	97.3	59-135
Benzyl alcohol	7,010		1,000	10,000	70.1	44-106
1,1'-Biphenyl	7,950		1,000	10,000	79.5	40-118
Bis(2-chloroethoxy)methane	6,930		1,000	10,000	69.4	48-103
Bis(2-chloroethyl)ether	6,390		1,000	10,000	63.9	31-104

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

LCS (B0E1921-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	6,290		1,000	10,000	62.9	36-102
Bis(2-ethylhexyl)phthalate	9,970		1,000	10,000	99.7	56-153
4-Bromophenyl phenyl ether	7,710		1,000	10,000	77.1	55-116
Butyl benzyl phthalate	9,600		1,000	10,000	96.0	59-140
Carbazole	9,010		1,000	10,000	90.1	61-133
Caprolactam	10,300		1,000	10,000	103	48-156
4-Chloroaniline	7,240		1,000	10,000	72.4	35-102
2-Chloronaphthalene	7,080		1,000	10,000	70.8	48-105
2-Chlorophenol	6,670		1,000	10,000	66.7	34-102
4-Chlorophenyl phenyl ether	7,770		1,000	10,000	77.8	48-119
4-Chloro-3-methylphenol	7,590		1,000	10,000	76.0	40-129
Chrysene	9,390		1,000	10,000	93.9	58-128
Dibenzofuran	7,580		1,000	10,000	75.8	50-111
Dibenz (a,h) anthracene	10,700		1,000	10,000	107	62-135
1,2-Dichlorobenzene	6,030		1,000	10,000	60.3	39-97
1,3-Dichlorobenzene	5,740		1,000	10,000	57.4	38-95
1,4-Dichlorobenzene	5,840		1,000	10,000	58.4	33-93
3,3´-Dichlorobenzidine	11,200		1,000	10,000	112	54-148
2,4-Dichlorophenol	7,180		1,000	10,000	71.8	50-117
Diethyl phthalate	8,890		1,000	10,000	88.9	51-136
2,4-Dimethylphenol	6,190		1,000	10,000	61.9	28-111
Dimethyl phthalate	8,110		1,000	10,000	81.2	56-117
2,4-Dinitrophenol	1,440		4,000	10,000	14.4	10-129
2,4-Dinitrotoluene	9,370		1,000	10,000	93.7	49-122
2,6-Dinitrotoluene	8,390		1,000	10,000	83.9	56-120
4,6-Dinitro-2-methylphenol	2,160		4,000	10,000	21.6	10-130
Di-n-butyl phthalate	9,580		1,000	10,000	95.9	51-148
Di-n-octyl phthalate	10,000		1,000	10,000	100	61-138
Fluoranthene	9,500		400	10,000	95.0	60-130
Fluorene	7,950		400	10,000	79.5	51-116

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

LCS (B0E1921-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexachlorobenzene	8,040		1,000	10,000	80.4	55-116
Hexachlorobutadiene	6,380		1,000	10,000	63.8	47-102
Hexachlorocyclopentadiene	6,410		1,000	10,000	64.1	21-113
Hexachloroethane	5,950		1,000	10,000	59.5	36-96
Indeno (1,2,3-cd) pyrene	10,600		1,000	10,000	106	62-133
Isophorone	6,710		1,000	10,000	67.1	49-103
2-Methylnaphthalene	7,050		400	10,000	70.5	50-105
2-Methylphenol	6,890		1,000	10,000	69.0	43-102
3 &/or 4-Methylphenol	7,000		1,000	10,000	70.0	46-106
Naphthalene	6,920		400	10,000	69.2	46-102
2-Nitroaniline	8,660		1,600	10,000	86.7	53-124
3-Nitroaniline	9,300		1,600	10,000	93.0	51-122
4-Nitroaniline	10,700		1,600	10,000	107	62-140
Nitrobenzene	6,530		1,000	10,000	65.3	44-105
2-Nitrophenol	6,800		1,000	10,000	68.0	44-114
4-Nitrophenol	9,500		2,600	10,000	95.0	37-130
N-Nitrosodiphenylamine	8,170		1,000	10,000	81.7	56-120
N-Nitrosodi-n-propylamine	6,880		1,000	10,000	68.9	37-100
Pentachlorophenol	5,850		1,000	10,000	58.5	10-117
Phenanthrene	8,480		400	10,000	84.8	52-121
Phenol	6,800		1,000	10,000	68.0	39-102
Pyrene	8,270		400	10,000	82.8	52-122
1,2,4-Trichlorobenzene	6,460		1,000	10,000	64.6	40-101
2,4,5-Trichlorophenol	7,640		1,000	10,000	76.4	52-121
2,4,6-Trichlorophenol	7,300		1,000	10,000	73.0	48-113

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike (B0E1921-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	13,800		17,600	78.5	32-105
Surr: Phenol-d5	14,300		17,600	81.1	39-104
Surr: 2-Chlorophenol-d4	13,300		17,600	75.4	38-105
Surr: 1,2-Dichlorobenzene-d4	8,340		11,800	70.9	37-103
Surr: Nitrobenzene-d5	9,400		11,800	80.0	39-109
Surr: 2-Fluorobiphenyl	10,500		11,800	89.0	44-107
Surr: 2,4,6-Tribromophenol	17,600		17,600	99.9	38-126
Surr: Terphenyl-d14	10,200		11,800	86.4	56-127

Matrix Spike (B0E1921-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Acenaphthene	10,400		470	11,800		88.6	34-107
Acenaphthylene	10,700		470	11,800		90.8	48-111
Acetophenone	10,600		1,180	11,800		89.8	36-110
Anthracene	12,000		470	11,800		102	53-123
Atrazine	13,400		1,180	11,800		114	63-133
Benzaldehyde	9,150		1,180	11,800		77.8	21-102
Benzoic acid	4,230		2,350	11,800	978	27.7	10-115
Benzo (a) anthracene	12,900		1,180	11,800		109	58-129
Benzo (a) pyrene	14,200		1,180	11,800		121	69-125
Benzo (b) fluoranthene	13,500		1,180	11,800		115	65-126
Benzo (g,h,i) perylene	13,300		1,180	11,800		113	50-137
Benzo (k) fluoranthene	13,600		1,180	11,800		116	59-135
Benzyl alcohol	9,640		1,180	11,800		82.0	44-106
1,1'-Biphenyl	11,100		1,180	11,800		94.4	40-118
Bis(2-chloroethoxy)methane	9,570		1,180	11,800		81.4	48-103
Bis(2-chloroethyl)ether	8,860		1,180	11,800		75.4	31-104

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike (B0E1921-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Bis(2-chloroisopropyl)ether	8,640		1,180	11,800		73.5	36-102
Bis(2-ethylhexyl)phthalate	13,800		1,180	11,800	301	115	56-153
4-Bromophenyl phenyl ether	10,800		1,180	11,800		92.1	55-116
Butyl benzyl phthalate	13,100		1,180	11,800		111	59-140
Carbazole	12,500		1,180	11,800		106	61-133
Caprolactam	14,500		1,180	11,800		124	48-156
4-Chloroaniline	10,200		1,180	11,800		86.5	35-102
2-Chloronaphthalene	9,970		1,180	11,800		84.8	48-105
2-Chlorophenol	9,240		1,180	11,800		78.6	28-94
4-Chlorophenyl phenyl ether	11,200		1,180	11,800		95.0	48-119
4-Chloro-3-methylphenol	10,600		1,180	11,800		90.5	38-126
Chrysene	12,800		1,180	11,800		109	58-128
Dibenzofuran	10,700		1,180	11,800		91.0	50-111
Dibenz (a,h) anthracene	14,800		1,180	11,800		126	62-135
1,2-Dichlorobenzene	8,260		1,180	11,800		70.3	39-97
1,3-Dichlorobenzene	7,790		1,180	11,800		66.3	38-95
1,4-Dichlorobenzene	7,970		1,180	11,800		67.8	27-83
3,3´-Dichlorobenzidine	14,600		1,180	11,800		125	54-148
2,4-Dichlorophenol	10,100		1,180	11,800		85.8	50-117
Diethyl phthalate	12,500		1,180	11,800		106	51-136
2,4-Dimethylphenol	8,350		1,180	11,800		71.1	28-111
Dimethyl phthalate	11,500		1,180	11,800		97.7	56-117
2,4-Dinitrophenol	3,110		4,700	11,800		26.4	10-129
2,4-Dinitrotoluene	13,400		1,180	11,800		114	38-123
2,6-Dinitrotoluene	12,000		1,180	11,800		102	56-120
4,6-Dinitro-2-methylphenol	5,130		4,700	11,800		43.6	10-130
Di-n-butyl phthalate	12,900		1,180	11,800		110	51-148
Di-n-octyl phthalate	14,000		1,180	11,800		119	61-138
Fluoranthene	13,100		470	11,800		112	60-130
Fluorene	11,400		470	11,800		97.1	51-116

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike (B0E1921-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hexachlorobenzene	10,900		1,180	11,800		93.1	55-116
Hexachlorobutadiene	8,870		1,180	11,800		75.4	47-102
Hexachlorocyclopentadiene	9,490		1,180	11,800		80.7	21-113
Hexachloroethane	8,120		1,180	11,800		69.1	36-96
Indeno (1,2,3-cd) pyrene	14,600		1,180	11,800		124	62-133
Isophorone	9,410		1,180	11,800		80.1	49-103
2-Methylnaphthalene	9,910		470	11,800		84.3	50-105
2-Methylphenol	9,440		1,180	11,800		80.3	43-102
3 &/or 4-Methylphenol	9,510		1,180	11,800		80.9	46-106
Naphthalene	9,670		470	11,800		82.3	46-102
2-Nitroaniline	12,500		1,880	11,800		107	53-124
3-Nitroaniline	13,500		1,880	11,800		115	51-122
4-Nitroaniline	16,100		1,880	11,800		137	62-140
Nitrobenzene	9,170		1,180	11,800		78.0	44-105
2-Nitrophenol	10,000		1,180	11,800		85.3	44-114
4-Nitrophenol	14,500		3,060	11,800		123	35-138
N-Nitrosodiphenylamine	11,300		1,180	11,800		96.0	56-120
N-Nitrosodi-n-propylamine	9,520		1,180	11,800		81.0	29-97
Pentachlorophenol	10,500		1,180	11,800		89.5	10-126
Phenanthrene	11,700		470	11,800		99.3	52-121
Phenol	9,190		1,180	11,800		78.2	32-96
Pyrene	11,300		470	11,800		96.1	39-129
1,2,4-Trichlorobenzene	9,040		1,180	11,800		76.9	24-105
2,4,5-Trichlorophenol	11,100		1,180	11,800		94.7	52-121
2,4,6-Trichlorophenol	10,500		1,180	11,800		88.9	48-113

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike Dup (B0E1921-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: 2-Fluorophenol	13,800		17,600	78.1	32-105
Surr: Phenol-d5	14,300		17,600	81.2	39-104
Surr: 2-Chlorophenol-d4	13,100		17,600	74.1	38-105
Surr: 1,2-Dichlorobenzene-d4	8,180		11,700	69.6	37-103
Surr: Nitrobenzene-d5	9,260		11,700	78.8	39-109
Surr: 2-Fluorobiphenyl	10,200		11,700	86.7	44-107
Surr: 2,4,6-Tribromophenol	17,000		17,600	96.2	38-126
Surr: Terphenyl-d14	10,200		11,700	86.9	56-127

Matrix Spike Dup (B0E1921-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthene	10,000		470	11,700		85.5	34-107	3.53	31
Acenaphthylene	10,400		470	11,700		89.0	48-111	2.11	30
Acetophenone	10,500		1,170	11,700		89.2	36-110	0.75	30
Anthracene	11,600		470	11,700		98.5	53-123	3.98	30
Atrazine	12,900		1,170	11,700		110	63-133	3.90	30
Benzaldehyde	9,210		1,170	11,700		78.4	21-102	0.73	30
Benzoic acid	3,340		2,350	11,700	978	20.1	10-115	23.5	30
Benzo (a) anthracene	12,300		1,170	11,700		105	58-129	4.09	30
Benzo (a) pyrene	13,500		1,170	11,700		115	69-125	4.97	30
Benzo (b) fluoranthene	13,800		1,170	11,700		118	65-126	2.59	30
Benzo (g,h,i) perylene	13,200		1,170	11,700		113	50-137	0.61	30
Benzo (k) fluoranthene	12,400		1,170	11,700		105	59-135	9.25	30
Benzyl alcohol	9,620		1,170	11,700		81.9	44-106	0.18	30
1,1'-Biphenyl	10,800		1,170	11,700		92.1	40-118	2.48	30
Bis(2-chloroethoxy)methane	9,430		1,170	11,700		80.3	48-103	1.44	30
Bis(2-chloroethyl)ether	8,780		1,170	11,700		74.8	31-104	0.86	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike Dup (B0E1921-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bis(2-chloroisopropyl)ether	8,520		1,170	11,700		72.5	36-102	1.40	30
Bis(2-ethylhexyl)phthalate	12,700		1,170	11,700	301	106	56-153	7.83	30
4-Bromophenyl phenyl ether	10,500		1,170	11,700		89.3	55-116	3.12	30
Butyl benzyl phthalate	12,500		1,170	11,700		107	59-140	4.13	30
Carbazole	12,000		1,170	11,700		102	61-133	4.36	30
Caprolactam	13,800		1,170	11,700		118	48-156	4.83	30
4-Chloroaniline	9,790		1,170	11,700		83.3	35-102	3.85	30
2-Chloronaphthalene	9,700		1,170	11,700		82.6	48-105	2.78	30
2-Chlorophenol	9,140		1,170	11,700		77.8	28-94	1.13	37
4-Chlorophenyl phenyl ether	10,600		1,170	11,700		90.4	48-119	5.02	30
4-Chloro-3-methylphenol	10,200		1,170	11,700		87.0	38-126	4.05	36
Chrysene	12,300		1,170	11,700		105	58-128	3.95	30
Dibenzofuran	10,200		1,170	11,700		87.2	50-111	4.28	30
Dibenz (a,h) anthracene	14,300		1,170	11,700		121	62-135	3.86	30
1,2-Dichlorobenzene	8,260		1,170	11,700		70.4	39-97	0.05	30
1,3-Dichlorobenzene	7,830		1,170	11,700		66.6	38-95	0.45	30
1,4-Dichlorobenzene	7,940		1,170	11,700		67.6	27-83	0.44	36
3,3´-Dichlorobenzidine	14,000		1,170	11,700		119	54-148	4.79	30
2,4-Dichlorophenol	9,800		1,170	11,700		83.5	50-117	2.85	30
Diethyl phthalate	11,800		1,170	11,700		101	51-136	5.43	30
2,4-Dimethylphenol	8,100		1,170	11,700		69.0	28-111	3.06	30
Dimethyl phthalate	11,000		1,170	11,700		93.7	56-117	4.18	30
2,4-Dinitrophenol	2,340		4,700	11,700		20.0	10-129	28.0	30
2,4-Dinitrotoluene	12,800		1,170	11,700		109	38-123	4.12	32
2,6-Dinitrotoluene	11,400		1,170	11,700		97.4	56-120	4.95	30
4,6-Dinitro-2-methylphenol	3,800		4,700	11,700		32.4	10-130	29.7	30
Di-n-butyl phthalate	12,300		1,170	11,700		105	51-148	4.40	30
Di-n-octyl phthalate	12,600		1,170	11,700		107	61-138	10.5	30
Fluoranthene	12,400		470	11,700		106	60-130	5.63	30
Fluorene	10,900		470	11,700		92.4	51-116	5.00	30

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Semivolatiles by EPA Method 8270 - GC/MS - Quality Control

Batch: B0E1921 **Sample Type: Solid**

Matrix Spike Dup (B0E1921-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobenzene	10,800		1,170	11,700		91.7	55-116	1.64	30
Hexachlorobutadiene	8,610		1,170	11,700		73.3	47-102	2.94	30
Hexachlorocyclopentadiene	9,580		1,170	11,700		81.6	21-113	0.98	30
Hexachloroethane	8,110		1,170	11,700		69.1	36-96	0.09	30
Indeno (1,2,3-cd) pyrene	14,100		1,170	11,700		120	62-133	3.55	30
Isophorone	9,140		1,170	11,700		77.8	49-103	2.97	30
2-Methylnaphthalene	9,610		470	11,700		81.8	50-105	3.12	30
2-Methylphenol	9,430		1,170	11,700		80.3	43-102	0.08	30
3 &/or 4-Methylphenol	9,440		1,170	11,700		80.4	46-106	0.65	30
Naphthalene	9,470		470	11,700		80.6	46-102	2.15	30
2-Nitroaniline	12,000		1,880	11,700		102	53-124	4.64	30
3-Nitroaniline	12,700		1,880	11,700		108	51-122	5.75	30
4-Nitroaniline	14,800		1,880	11,700		126	62-140	8.55	30
Nitrobenzene	8,930		1,170	11,700		76.1	44-105	2.63	30
2-Nitrophenol	9,800		1,170	11,700		83.5	44-114	2.24	30
4-Nitrophenol	13,100		3,050	11,700		111	35-138	10.2	39
N-Nitrosodiphenylamine	11,000		1,170	11,700		93.4	56-120	2.74	30
N-Nitrosodi-n-propylamine	9,480		1,170	11,700		80.7	29-97	0.41	33
Pentachlorophenol	8,920		1,170	11,700		75.9	10-126	16.5	45
Phenanthrene	11,300		470	11,700		96.3	52-121	3.17	30
Phenol	9,270		1,170	11,700		78.9	32-96	0.86	38
Pyrene	11,600		470	11,700		98.6	39-129	2.49	34
1,2,4-Trichlorobenzene	8,870		1,170	11,700		75.5	24-105	1.90	34
2,4,5-Trichlorophenol	10,600		1,170	11,700		90.0	52-121	5.15	30
2,4,6-Trichlorophenol	10,200		1,170	11,700		86.6	48-113	2.73	30

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1902 **Sample Type: Liquid**

Blank (B0E1902-BLK1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
2-Butoxyethanol	0.5		0.5
Di(propylene glycol)butyl ether	U		0.5
Propylene glycol	0.8		0.5

LCS (B0E1902-BS1)

Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
2-Butoxyethanol	93.7		0.5	100	93.7	70-130
Di(propylene glycol)butyl ether	89.7		0.5	100	89.7	70-130
Propylene glycol	90.3		0.5	100	90.3	70-130

Matrix Spike (B0E1902-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
2-Butoxyethanol	88.0		0.5	100		88.0	70-130
Di(propylene glycol)butyl ether	84.6		0.5	100		84.6	70-130
Propylene glycol	87.0		0.5	100		87.0	70-130

Matrix Spike Dup (B0E1902-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1902 **Sample Type: Liquid**

Matrix Spike Dup (B0E1902-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Butoxyethanol	89.5		0.5	100		89.5	70-130	1.75	30
Di(propylene glycol)butyl ether	86.9		0.5	100		86.9	70-130	2.59	30
Propylene glycol	84.7		0.5	100		84.7	70-130	2.59	30

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1903 **Sample Type: Liquid**

Blank (B0E1903-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
2-Butoxyethanol	U		0.5
Di(propylene glycol)butyl ether	U		0.5
Propylene glycol	U		0.5

LCS (B0E1903-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
2-Butoxyethanol	90.8		0.5	100	90.8	70-130
Di(propylene glycol)butyl ether	87.6		0.5	100	87.6	70-130
Propylene glycol	85.8		0.5	100	85.8	70-130

Matrix Spike (B0E1903-MS1)
Source: 1005017-09 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
2-Butoxyethanol	407,000			500,000	1,150	81.2	70-130
Di(propylene glycol)butyl ether	595,000			500,000	152,000	88.5	70-130
Propylene glycol	424,000			500,000	18,200	81.2	70-130

Matrix Spike Dup (B0E1903-MSD1)
Source: 1005017-09 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1903 **Sample Type: Liquid**

Matrix Spike Dup (B0E1903-MSD1)

Source: 1005017-09 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets (Continued)

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Butoxyethanol	425,000			500,000	1,150	84.7	70-130	4.25	30
Di(propylene glycol)butyl ether	615,000			500,000	152,000	92.6	70-130	3.34	30
Propylene glycol	440,000			500,000	18,200	84.4	70-130	3.67	30

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1906 **Sample Type: Solid**

Blank (B0E1906-BLK1)

Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit
2-Butoxyethanol	U		0.5
Di(propylene glycol)butyl ether	U		0.5
Propylene glycol	U		0.5

LCS (B0E1906-BS1)

Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
2-Butoxyethanol	196		0.5	202	96.7	70-130
Di(propylene glycol)butyl ether	171		0.5	200	85.7	70-130
Propylene glycol	186		0.5	199	93.8	70-130

Matrix Spike (B0E1906-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
2-Butoxyethanol	184		0.6	235		78.5	70-130
Di(propylene glycol)butyl ether	166		0.6	232		71.6	70-130
Propylene glycol	168		0.6	230		72.9	70-130

Matrix Spike Dup (B0E1906-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Glycols by Direct Aqueous Injection - GC/MS - Quality Control

Batch: B0E1906 **Sample Type: Solid**

Matrix Spike Dup (B0E1906-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Butoxyethanol	206		0.6	239		86.2	70-130	10.9	30
Di(propylene glycol)butyl ether	185		0.6	236		78.5	70-130	10.9	30
Propylene glycol	202		0.6	234		86.1	70-130	18.2	30

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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1905 **Sample Type: Liquid**

Blank (B0E1905-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	402		400	101	70-130

Blank (B0E1905-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Diesel Range Organics	U		500
Oil Range Organics	U		500

LCS (B0E1905-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	398		400	99.6	70-130

LCS (B0E1905-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Diesel Range Organics	8,670		500	10,000	86.7	70-130

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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1919 **Sample Type: Non-Aqueous Liquid**

Blank (B0E1919-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	8,370		7,690	109	70-130

Blank (B0E1919-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit
Diesel Range Organics	U		9,620
Oil Range Organics	U		9,620

LCS (B0E1919-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	8,450		7,840	108	70-130

LCS (B0E1919-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Diesel Range Organics	186,000		9,800	196,000	94.9	70-130

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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1919 **Sample Type: Non-Aqueous Liquid**

Matrix Spike (B0E1919-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/20/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	7,400		6,150	120	70-130

Matrix Spike (B0E1919-MS1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Diesel Range Organics	228,000		76,900	154,000	76,600	98.4	70-130

Matrix Spike Dup (B0E1919-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/20/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	6,610		5,970	111	70-130

Matrix Spike Dup (B0E1919-MSD1)

Source: 1005017-01 Prepared: 5/19/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Diesel Range Organics	199,000		74,600	149,000	76,600	82.2	70-130	13.4	30

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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1920 **Sample Type: Solid**

Blank (B0E1920-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	71,300		80,000	89.1	70-130

Blank (B0E1920-BLK1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit
Diesel Range Organics	U		100,000
Oil Range Organics	U		100,000

LCS (B0E1920-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	73,200		80,000	91.5	70-130

LCS (B0E1920-BS1)
Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Diesel Range Organics	1,560,000		100,000	2.00E6	78.0	70-130

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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1920 **Sample Type: Solid**

Matrix Spike (B0E1920-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	89,100		93,400	95.4	70-130

Matrix Spike (B0E1920-MS1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Diesel Range Organics	1,820,000		117,000	2.34E6	50,100	75.6	70-130

Matrix Spike Dup (B0E1920-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Surrogates

ANALYTE	Result µg/kg(dry)	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: o-Terphenyl	85,200		93,800	90.8	70-130

Matrix Spike Dup (B0E1920-MSD1)

Source: 1005017-07 Prepared: 5/19/2010 Analyzed: 5/19/2010

Targets

ANALYTE	Result µg/kg(dry)	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Diesel Range Organics	1,800,000		117,000	2.35E6	50,100	74.7	70-130	0.77	30

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: B0E2001 **Sample Type: Liquid**

Blank (B0E2001-BLK1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

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	U		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 (B0E2001-BS1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

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

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2001 **Sample Type: Liquid**

LCS (B0E2001-BS1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	772		60.0	800	96.4	75-125
Arsenic	3,850		100	4,000	96.2	75-125
Barium	3,700		10.0	4,000	92.6	75-125
Beryllium	92.7		5.0	100	92.7	75-125
Cadmium	89.9		5.0	100	89.9	75-125
Calcium	188,000		150	200,000	93.8	75-125
Chromium	747		10.0	800	93.4	75-125
Cobalt	361		20.0	400	90.3	75-125
Copper	777		20.0	800	97.1	75-125
Iron	1,870		25.0	2,000	93.6	75-125
Lead	732		30.0	800	91.5	75-125
Magnesium	197,000		150	200,000	98.7	75-125
Manganese	740		5.0	800	92.5	75-125
Nickel	721		20.0	800	90.2	75-125
Potassium	203,000		1,000	200,000	102	75-125
Selenium	1,890		100	2,000	94.4	75-125
Silver	104		10.0	100	104	75-125
Sodium	191,000		500	200,000	95.7	75-125
Thallium	722		100	800	90.3	75-125
Vanadium	757		20.0	800	94.6	75-125
Zinc	1,770		20.0	2,000	88.7	75-125

Matrix Spike (B0E2001-MS1)

Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,950		100	2,000		97.4	75-125
Antimony	804		60.0	800		100	75-125

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2001 **Sample Type: Liquid**

Matrix Spike (B0E2001-MS1)

Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Arsenic	3,900		100	4,000		97.5	75-125
Barium	3,760		10.0	4,000		94.0	75-125
Beryllium	94.2		5.0	100		94.2	75-125
Cadmium	90.4		5.0	100		90.4	75-125
Calcium	191,000		150	200,000		95.3	75-125
Chromium	758		10.0	800		94.7	75-125
Cobalt	365		20.0	400		91.3	75-125
Copper	791		20.0	800		98.8	75-125
Iron	1,910		25.0	2,000	34.2	93.6	75-125
Lead	751		30.0	800		93.8	75-125
Magnesium	201,000		150	200,000		100	75-125
Manganese	753		5.0	800		94.1	75-125
Nickel	731		20.0	800		91.4	75-125
Potassium	206,000		1,000	200,000		103	75-125
Selenium	1,920		100	2,000		95.8	75-125
Silver	106		10.0	100		106	75-125
Sodium	194,000		500	200,000		97.2	75-125
Thallium	738		100	800		92.3	75-125
Vanadium	774		20.0	800		96.7	75-125
Zinc	1,800		20.0	2,000		89.8	75-125

Matrix Spike Dup (B0E2001-MSD1)

Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,940		100	2,000		96.9	75-125	0.58	20
Antimony	774		60.0	800		96.7	75-125	3.85	20
Arsenic	3,890		100	4,000		97.3	75-125	0.18	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 6010B - ICP - Quality Control

Batch: B0E2001 **Sample Type: Liquid**

Matrix Spike Dup (B0E2001-MSD1)

Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Barium	3,730		10.0	4,000		93.2	75-125	0.88	20
Beryllium	93.4		5.0	100		93.4	75-125	0.91	20
Cadmium	89.9		5.0	100		89.9	75-125	0.62	20
Calcium	190,000		150	200,000		94.9	75-125	0.43	20
Chromium	752		10.0	800		94.0	75-125	0.77	20
Cobalt	365		20.0	400		91.2	75-125	0.21	20
Copper	787		20.0	800		98.4	75-125	0.40	20
Iron	1,890		25.0	2,000	34.2	92.6	75-125	0.98	20
Lead	740		30.0	800		92.5	75-125	1.48	20
Magnesium	201,000		150	200,000		100	75-125	0.11	20
Manganese	746		5.0	800		93.2	75-125	0.88	20
Nickel	727		20.0	800		90.9	75-125	0.53	20
Potassium	207,000		1,000	200,000		103	75-125	0.21	20
Selenium	1,900		100	2,000		95.2	75-125	0.59	20
Silver	106		10.0	100		106	75-125	0.61	20
Sodium	195,000		500	200,000		97.4	75-125	0.22	20
Thallium	728		100	800		91.0	75-125	1.39	20
Vanadium	767		20.0	800		95.9	75-125	0.84	20
Zinc	1,790		20.0	2,000		89.5	75-125	0.35	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 6010B - ICP - Quality Control

Batch: B0E2002 **Sample Type: Solid**

Blank (B0E2002-BLK1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Aluminum	U		10.0
Antimony	U		6.0
Arsenic	U		10.0
Barium	U		1.0
Beryllium	U		0.5
Cadmium	U		0.5
Calcium	U		15.0
Chromium	U		1.0
Cobalt	U		2.0
Copper	U		2.0
Iron	U		2.5
Lead	U		3.0
Magnesium	U		15.0
Manganese	U		0.5
Nickel	U		2.0
Potassium	U		100
Selenium	U		10.0
Silver	U		1.0
Thallium	U		10.0
Sodium	U		50.0
Vanadium	U		2.0
Zinc	U		2.0

LCS (B0E2002-BS1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	196		10.0	200	98.2	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: B0E2002 **Sample Type: Solid**

LCS (B0E2002-BS1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	80.0		6.0	80.0	99.9	75-125
Arsenic	396		10.0	400	99.1	75-125
Barium	386		1.0	400	96.6	75-125
Beryllium	10.3		0.5	10.0	103	75-125
Cadmium	9.4		0.5	10.0	93.6	75-125
Calcium	19,700		15.0	20,000	98.6	75-125
Chromium	78.1		1.0	80.0	97.6	75-125
Cobalt	37.4		2.0	40.0	93.4	75-125
Copper	83.5		2.0	80.0	104	75-125
Iron	194		2.5	200	96.8	75-125
Lead	76.4		3.0	80.0	95.5	75-125
Magnesium	20,300		15.0	20,000	102	75-125
Manganese	77.0		0.5	80.0	96.3	75-125
Nickel	74.5		2.0	80.0	93.2	75-125
Potassium	20,600		100	20,000	103	75-125
Selenium	194		10.0	200	97.2	75-125
Silver	10.8		1.0	10.0	108	75-125
Thallium	74.4		10.0	80.0	93.1	75-125
Sodium	19,400		50.0	20,000	96.9	75-125
Vanadium	78.7		2.0	80.0	98.4	75-125
Zinc	188		2.0	200	93.9	75-125

Matrix Spike (B0E2002-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	2,400		11.6	232	1,290	478 #	75-125
Antimony	89.4		7.0	92.8		96.4	75-125

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2002 **Sample Type: Solid**

Matrix Spike (B0E2002-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Arsenic	445		11.6	464		95.9	75-125
Barium	455		1.2	464	27.4	92.2	75-125
Beryllium	11.8		0.6	11.6		102	75-125
Cadmium	10.2		0.6	11.6		88.1	75-125
Calcium	27,100		17.4	23,200	4,290	98.3	75-125
Chromium	96.8		1.2	92.8	8.8	94.9	75-125
Cobalt	44.5		2.3	46.4	2.4	90.8	75-125
Copper	94.0		2.3	92.8		101	75-125
Iron	6,300		2.9	232	6,720	NR #	75-125
Lead	92.0		3.5	92.8	5.8	92.8	75-125
Magnesium	25,400		17.4	23,200	1,980	101	75-125
Manganese	156		0.6	92.8	64.0	99.3	75-125
Nickel	89.1		2.3	92.8	5.4	90.2	75-125
Potassium	24,300		116	23,200	269	103	75-125
Selenium	219		11.6	232		94.4	75-125
Silver	12.4		1.2	11.6		107	75-125
Thallium	77.3		11.6	92.8		83.3	75-125
Sodium	23,600		58.0	23,200	1,150	96.8	75-125
Vanadium	108		2.3	92.8	20.5	94.7	75-125
Zinc	221		2.3	232	13.0	89.7	75-125

Matrix Spike Dup (B0E2002-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	2,250		11.5	230	1,290	416 #	75-125	6.56	20
Antimony	88.8		6.9	92.1		96.5	75-125	0.67	20
Arsenic	438		11.5	460		95.0	75-125	1.63	20

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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: B0E2002 **Sample Type: Solid**

Matrix Spike Dup (B0E2002-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Barium	453		1.2	460	27.4	92.5	75-125	0.44	20
Beryllium	11.8		0.6	11.5		102	75-125	0.05	20
Cadmium	10.0		0.6	11.5		87.0	75-125	1.97	20
Calcium	27,000		17.3	23,000	4,290	98.5	75-125	0.45	20
Chromium	97.6		1.2	92.1	8.8	96.5	75-125	0.82	20
Cobalt	43.8		2.3	46.0	2.4	90.0	75-125	1.48	20
Copper	93.4		2.3	92.1		101	75-125	0.58	20
Iron	7,000		2.9	230	6,720	122	75-125	10.6	20
Lead	92.4		3.5	92.1	5.8	94.0	75-125	0.51	20
Magnesium	25,100		17.3	23,000	1,980	100	75-125	1.53	20
Manganese	162		0.6	92.1	64.0	106	75-125	3.52	20
Nickel	88.1		2.3	92.1	5.4	89.9	75-125	1.11	20
Potassium	23,900		115	23,000	269	103	75-125	1.30	20
Selenium	212		11.5	230		92.1	75-125	3.20	20
Silver	12.1		1.2	11.5		105	75-125	1.91	20
Thallium	73.7		11.5	92.1		80.1	75-125	4.68	20
Sodium	23,300		57.6	23,000	1,150	96.4	75-125	1.12	20
Vanadium	111		2.3	92.1	20.5	98.1	75-125	2.21	20
Zinc	220		2.3	230	13.0	90.0	75-125	0.44	20

Reference (B0E2002-SRM1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	110		9.8	115		95.8	47.6-152		
Antimony	75.9		5.9	66.0		115	41.8-157		
Arsenic	254		9.8	253		100	60.8-139		
Barium	1.6		1.0	1.60		98.4	62.5-137		

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Metals by EPA Method 6010B - ICP - Quality Control

Batch: B0E2002 **Sample Type: Solid**

Reference (B0E2002-SRM1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets (Continued)

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit
Beryllium	4.9		0.5	4.90		101		61.2-138		
Cadmium	10.2		0.5	10.9		93.3		70.6-128		
Calcium	47,500		14.7	44,200		107		68.6-131		
Chromium	27.1		1.0	27.1		99.9		68.3-131		
Cobalt	37.7		2.0	37.4		101		64.7-135		
Copper	1,760		2.0	1,770		99.7		74.6-126		
Iron	6,430		2.5	6,470		99.4		66.2-133		
Lead	58.1		2.9	56.9		102		72.7-127		
Magnesium	29,900		14.7	29,200		103		70.2-129		
Manganese	60.4		0.5	61.0		99.0		68.2-132		
Nickel	15.8		2.0	16.3		96.8		55.2-145		
Potassium	U		98.2	39.7		NR	#	0-215		#
Selenium	10.8		9.8	10.0		108		41-159		
Silver	6.4		1.0	5.90		109		45.8-154		
Thallium	U		9.8	9.50		NR	#	30.5-169		#
Sodium	U		49.1	72.5		NR	#	0-298		#
Vanadium	18.5		2.0	17.6		105		65.9-134		
Zinc	41.5		2.0	47.5		87.4		43.2-156		

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Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B0E2101 **Sample Type: Solid**

Blank (B0E2101-BLK1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit
Mercury	U		0.06

LCS (B0E2101-BS1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.4		0.06	0.400	103	75-125

Matrix Spike (B0E2101-MS1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	4.1		0.6	3.91		105	75-125

Matrix Spike Dup (B0E2101-MSD1)

Source: 1005017-07 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg dry	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit
Mercury	0.5		0.07	0.469		98.9	75-125	159	#	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: B0E2101 **Sample Type: Solid**

Reference (B0E2101-SRM1)

Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result mg/kg wet	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	4.7		0.6	3.59		130	51.8-148		

Environmental Protection Agency
Region 6 Laboratory
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Phone:(281)983-2100 Fax:(281)983-2248

Metals by EPA Method 7470A/7471A - CVAAS - Quality Control

Batch: B0E2103 **Sample Type: Liquid**

Blank (B0E2103-BLK1)
Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

LCS (B0E2103-BS1)
Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.992		0.200	1.00	99.2	75-125

Matrix Spike (B0E2103-MS1)
Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	0.954		0.200	1.00		95.4	75-125

Matrix Spike Dup (B0E2103-MSD1)
Source: 1005017-02 Prepared: 5/20/2010 Analyzed: 5/20/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	0.936		0.200	1.00		93.6	75-125	1.90	20

Environmental Protection Agency

Region 6 Laboratory

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Kristie Warr
713-985-6600
US EPA/Weston
Venice, LA

CHAIN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab_State: TX

No: T0001-100405-05/17/10-0084
Lab Address: 10625 Fallstone Rd
Lab_City: Houston
Lab_Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SW-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SW-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SW-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SW-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Special Instructions: Cooler 2: Oil/grease (T004-0001-100517-SW-1) x 3; SVOC/PAH/DRO/ORO (T004-0001-100517-SW-1) x 5

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Cooler 2	[illegible]	5/18/10 0840	[illegible]	5/18/10	0855						
	[illegible]	5-18-10 1718	[illegible]	5/18/10	5:20						

Temp 1°C

Environmental Protection Agency

Region 6 Laboratory

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

Page 1 of 1

Kristie Warr
713-985-6600
US EPA/Weston
Venice, LA

CHAIN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab_State: TX

No: T0001-100405-05/17/10-0084
Lab Address: 10625 Fallstone Rd
Lab_City: Houston
Lab_Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SW-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SW-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SW-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SW-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Special Instructions:

Cooler 1: VOA (T004-0001-100517-SW-1) x 12; (T004-100517-FB-1) x 4
(T004-100517-TB-1) x 2; Metals (T004-0001-100517-SW-1) x 3
SVOC, PAH, DRO/ORO (T004-0001-100517-SW-1) x 9

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Cooler 1	[illegible]	5/18/10 0840	[illegible]	5-18-10	0850						
	[illegible]	5-18-10 1700	[illegible]	5/18/10	5:00						

Temp 10°C

Environmental Protection Agency

Region 6 Laboratory

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

Page 1 of 1

Kristie Warr
713-985-6600
US EPA/Weston
Venice, LA

CHAIN OF CUSTODY RECORD
R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab_State: TX

No: T0001-100405-05/17/10-0084
Lab Address: 10625 Fallstone Rd
Lab_City: Houston
Lab_Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative
	T004-0001-100517-SW-1	VOA	Surface Water	Grab	5/17/2010	12:00	12	HCl
	T004-0001-100517-SW-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	16	None
	T004-0001-100517-SW-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	3	HCl
	T004-0001-100517-SW-1	Metals	Surface Water	Grab	5/17/2010	12:00	3	HNO3
	T004-100517-FB-1	VOA	Surface Water	Grab	5/17/2010	12:00	4	HCl
	T004-100517-FB-1	SVOC,PAH DRO/ORO	Surface Water	Grab	5/17/2010	12:00	5	None
	T004-100517-FB-1	Oil & Grease	Surface Water	Grab	5/17/2010	12:00	1	HCl
	T004-100517-FB-1	Metals	Surface Water	Grab	5/17/2010	12:00	1	HNO3
	T004-100517-TB-1	VOA	Surface Water	Grab	5/17/2010	12:00	2	HCl

Special Instructions:

Cooler 3: Metals (T004-100517-FB-1) x 1; SVOC/PAH/DRO/ORO (T004-0001-100517-SW-1) x 2
Oil/Grease (T004-100517-FB-1) x 1
SVOC/PAH/DRO/ORO (T004-100517-FB-1) x 5

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Cooler 3	[signature]	5/18/10 0840	[signature]	5-18-10	0850						
	[signature]	5-18-10 1726	[signature]	5/18/10	5:30						

Temp 0°C "wet frozen"

3

Environmental Protection Agency

Region 6 Laboratory

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

4

CHAIN OF CUSTODY RECORD

Site #: R06DW
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0001-100515-OD-1	TAL Metals and Mercury	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	SEE CHAIN	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	2-propanol, 1-(2-butoxy-1-methylethoxyl)	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	Di(2-ethylhexyl) sodium sulfosuccinate	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	2-ethylhexyl alcohol and Propylene glycol	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	TPH GRO, TPH DRO and ORO	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	TCL VOCs and TCL SVOCs	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-OD-1	PAH , Oil & Grease, Total Organic Carbon	Oily Debris	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	SEE CHAIN	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	2-propanol, 1-(2-butoxy-1-methylethoxyl)	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	Di(2-ethylhexyl) sodium sulfosuccinate	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TCL VOCs and TCL SVOCs	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Sediment	Grab	5/15/2010	09:56	

Special Instructions: Limited Quantity - Please contact Kristie Warren for Analytical Priority

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	Sam Check	5/18/2010 1100	[illegible]	5-18-10	1100						
	[illegible]	5-18-10 1718	Christy Hewer	5/18/10	5:20						

Temp 1°C

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

4

CHAIN OF CUSTODY RECORD

Site #: R06DW
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0001-100515-SD-1	2-ethylhexyl alcohol and Propylene glycol	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	PAH, Oil & Grease, Total Organic Carbon	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TPH GRO, TPH DRO and ORO	Sediment	Grab	5/15/2010	09:56	
	T003-0001-100515-SD-1	TAL Metals and Mercury	Sediment	Grab	5/15/2010	09:56	
	T003-0002-100515-MU-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TCL VOCs and TCL SVOCs	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TAL Metals and Mercury	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	TPH GRO, TPH DRO and ORO	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	Di(2-ethylhexyl) sodium sulfosuccinate	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	2-propanol, 1-(2-butoxy-1-methylethoxyl)	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	SEE CHAIN	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	PAH, Oil & Grease, Total Organic Carbon	Mousse	Grab	5/15/2010	10:20	
	T003-0002-100515-MU-1	2-ethylhexyl alcohol and Propylene glycol	Mousse	Grab	5/15/2010	10:20	
	T003-0003-100515-MU-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Mousse	Grab	5/15/2010	09:25	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	Sam Check	5/14/2010 1100		5-18-10	1100						
		5-18-10 1718	Chrostylinson	5/18/10	5:20						

Environmental Protection Agency

Region 6 Laboratory

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

CHAIN OF CUSTODY RECORD

Site # R06DW
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0003-100515-MU-1	SEE CHAIN	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	Di(2-ethylhexyl) sodium sulfosuccinate	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	2-ethylhexyl alcohol and Propylene glycol	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	PAH, Oil & Grease, Total Organic Carbon	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TPH GRO, TPH DRO and ORO	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TAL Metals and Mercury	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	TCL VOCs and TCL SVOCs	Mousse	Grab	5/15/2010	09:25	
	T003-0003-100515-MU-1	2-propanol, 1-(2-butoxy-1-methylethoxy))	Mousse	Grab	5/15/2010	09:25	
	T003-0004-100515-TAR-1	SEE CHAIN	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TCL VOCs and TCL SVOCs	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TAL Metals and Mercury	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	TPH GRO, TPH DRO and ORO	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	PAH, Oil & Grease, Total Organic Carbon	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	2-ethylhexyl alcohol and Propylene glycol	Tar	Grab	5/15/2010	09:44	

Special Instructions:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	[illegible]	5/15/2010	[illegible]	5-18-10	1800						
	[illegible]	5-18-10 1718	[illegible]	5/18/10	5:30						

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Environmental Protection Agency

Region 6 Laboratory

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

CHAIN OF CUSTODY RECORD

Site # R06DW
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-100515-001

Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T003-0004-100515-TAR-1	2-Butoxyethyl alcohol / 2-Butoxyethanol	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	Di(2-ethylhexyl) sodium sulfosuccinate	Tar	Grab	5/15/2010	09:44	
	T003-0004-100515-TAR-1	2-propanol, 1-(2-butoxy-1-methylethoxy))	Tar	Grab	5/15/2010	09:44	

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	Sam Chark	5/18/2010 1100	[illegible]	5-18-10	1100						
	[illegible]	5-18-10 1718	[illegible]	5/18/10	5:30						

Environmental Protection Agency

Region 6 Laboratory

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

CHAIN OF CUSTODY RECORD

Site #: R06DW

Contact Name: Kristie Warr

No: T0033-100402-20100518-001

Lab: U.S. EPA Region 6 Laboratory

Lab Phone: 281-983-2137

1745

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T005-9500-100517-DP-1-H	Organic Sulfonic Acid Salt	Dispersant	Grab	5/17/2010	17:25	None
	T005-9500-100517-DP-1-H	2-ethylhexyl alcohol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9500-100517-DP-1-H	Propylene glycol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9500-100517-DP-1-H	2-propanol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9500-100517-DP-1-H	1-(2-butoxy-1-methylethoxy)	Dispersant	Grab	5/17/2010	17:25	None
	T005-9500-100517-DP-1-H	VOCs 8260B	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-H	2-ethylhexyl alcohol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-H	Sulfononic Acid Salt	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-H	Propylene glycol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-H	2-Butoxyethyl alcohol/ 2-Butoxyethanol	Dispersant	Grab	5/17/2010	17:25	None

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Delivery	Sam Chesek	5/19/2010 1100		5-18-10	1100						
		5-18-10 1718	Christy Warren	5/18/10	5:00						

Environmental Protection Agency

Region 6 Laboratory

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

CHAIN OF CUSTODY RECORD

Site # R06DW
Contact Name: Kristie Warr

No: T0033-100402-20100518-002

Lab: USEPA Lab - Las Vegas
Lab Phone: 702-798-2144

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Preservative
	T005-9527-100517-DP-1-LV	2-ethylhexyl alcohol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	Di(2-ethylhexyl) sodium sulfosuccinate	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	Propylene glycol	Dispersant	Grab	5/17/2010	17:25	None
	T005-9527-100517-DP-1-LV	2-Butoxyethyl alcohol/ 2-Butoxyethanol,	Dispersant	Grab	5/17/2010	17:25	None

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Dispatching	Sam Clark	5/18/2010 11:00	[illegible]	5-18-10	1100						
	[illegible]	5-18-10 17:18	Christopher Johnson	5/20/10	5:20						

Temp 1°C

Environmental Protection Agency

Region 6 Laboratory

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

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"
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.
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.