

Appendix F
Laboratory Analytical Reports and
Chain-of-Custody Documents –
April/May 2010 Semiannual Monitoring Event

Laboratory Data Validation Report

Fifty-one groundwater samples (including forty-seven primary and four field duplicate samples) and six trip blank samples were collected between April 12 and 19, 2010 for the Norwalk DFSP Groundwater Monitoring Project (Second Quarter 2010). Samples were submitted to Calscience Environmental Laboratories, Inc. in Garden Grove California for the following analyses:

- (1) Volatile Organics (EPA8260B)
- (2) TPH as Gasoline (modified EPA 8015B)
- (3) TPH as JP5 (modified EPA 8015B).

Results for these samples are summarized in Calscience report numbers **10-04-0841, 10-04-0929, 10-04-1041, 10-04-1149, 10-04-1292, and 10-04-1376**. The validation process included review of the following data as provided by the laboratory:

- Holding Times,
- Method and Trip Blanks,
- System Monitoring Compounds: Surrogate compounds for organic tests by GC and GC/MS,
- Matrix Spike/Matrix Spike Duplicate,
- Reporting Limits,
- Duplicate Samples,
- Laboratory Control Samples,
- Data Anomalies, and
- Case Narrative: if necessary.

1.0 HOLDING TIMES

Holding times were met for all project samples. Sample cooler temperatures were measured between 3.0 and 3.9 °C upon receipt at the laboratory meeting the required 4 ± 2 °C criteria with the following exception. Samples in sample delivery group (SDGs) 10-04-1292 was measured at 1.7 °C which is below the acceptance limit; however, data in these SDGs will not be qualified based on this observation alone.

2.0 METHOD AND TRIP BLANKS

Target compounds were not detected in the trip blank or any method blanks associated with project samples.

3.0 SYSTEM MONITORING COMPOUNDS

Surrogate recoveries were within in-house generated acceptance limits for all designated analyses and associated QC samples with the following exception.

- The surrogate (1,4-bromofluorobenzene) reported for gasoline analysis of GMW-60 was high (156%) resulting in qualification of the associated TPH as gasoline result for GMW-60 as an estimate (“J” flag) which may be biased high.
- 1,2-Dichloroethane-d4 surrogate recovery (175%) for VOC analysis of GMW-61 was high resulting in qualification of associated detected results as estimates which may be biased high. The following results for GMW-61 were qualified as estimates (“J” flag): benzene (380 µg/L), n-butylbenzene (1.5 µg/L), sec-butylbenzene (3.5 µg/L), tert-butylbenzene (0.48 µg/L), carbon disulfide (5.6 µg/L), ethylbenzene (1.7 µg/L), isopropylbenzene (29 µg/L), naphthalene (7.3 µg/L), n-propylbenzene (24 µg/L), and TBA (3.7 µg/L).
- Surrogate recoveries for TPH-gasoline analysis of GMW-59 (181%) and GMW-59 Dup (174%) were high resulting in qualification of gasoline results for these samples as estimates (“J” flag) which may be biased high.

4.0 MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD)

MS/MSD analyses were performed with each VOC batch and demonstrated acceptable method precision and accuracy with the following exceptions.

- The MS/MSD analysis for VOC batch 100415L01 exhibited some recoveries outside control limits. MS recoveries of chlorobenzene (121%); 1,2-dibromoethane (122%); 1,1-dichloroethene (135%); vinyl chloride (122%); MTBE (133%); and TBA (138%) were high; as well as, MSD recoveries of 1,2-dibromoethane (124%); 1,1-dichloroethene (139%); vinyl chloride (121%); MTBE (137%); and TBA (141%). However, the RPDs between these MS/MSD recoveries were acceptable and MS/MSD analysis for VOC batch 100415L01 was performed on a non-project sample and data qualification is not required.
- The MS/MSD analysis for VOC batch 100422L01 exhibited some recoveries outside control limits. MSD recovery of benzene (62%) was low. MSD recoveries of TBA (68%) and TAME (67%) were low. MSD recovery of 1,1-dichloroethene (140%) was high. High RPDs were observed for TAME (33%); benzene (45%); 1,1-dichloroethene (32%); vinyl chloride (28%) and TBA (27%). However, MS/MSD analysis for batch 100422L01 was performed on a non-project sample and data qualification is not required.
- The MS/MSD analysis for VOC batch 100419L02 exhibited some recoveries outside control limits. Low MS recoveries of benzene (55%), MTBE (65%), and ETBE (71%), as well as, high RPD between MS/MSD recoveries of TBA (25%) resulting in qualification of benzene (130 µg/L) and MTBE (21 µg/L) in GMW-19 as estimates which may be biased low (“J” flag).

LCS/LCSD pairs were analyzed in lieu of MS/MSD pairs for TPH as JP5 analyses (results summarized in Section 7.0).

5.0 REPORTING LIMITS

Reporting limits (RLs) were generally acceptable based on suggested reporting limits from EPA protocols and SW-846 guidelines.

6.0 DUPLICATES SAMPLES

Two field duplicate samples were collected during this monitoring event from GMW-12 (GMW-12 Dup), GMW-17 (GMW-17 Dup), GMW-58 (GMW-58 Dup), and GMW-59 (GMW-59 Dup). Results obtained from sample duplicate pairs demonstrate acceptable method precision and accuracy with the exception of high RPDs calculated between duplicate pairs collected from GMW-58 (35.3%) and GMW-59 (41.9%). TPH-gasoline results for GMW-58, GMW-58 Dup, GMW-59, and GMW-59 Dup will be qualified as estimates (“J” flag).

7.0 LABORATORY CONTROL SAMPLES

LCS/LCSD pairs were analyzed with TPH as JP-5, as well as, TPH as gasoline and VOC analyses and demonstrated acceptable method precision and accuracy with the following exception. LCS recovery of ethanol was high (145%) in VOC batch 100414L02; however, ethanol was not detected in associated project samples and data qualification is not required.

8.0 DATA ANOMALIES

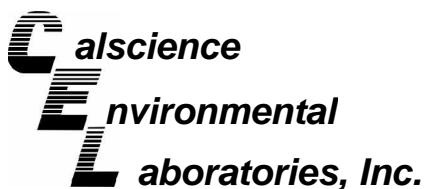
The follow project samples were diluted for VOC (method 8260B) analysis resulting in reporting of several target compounds as non-detect at elevated reporting limits (lowest dilution in noted in parenthesis next to the sample name): GMW-35 (2x).

The sample chromatographic pattern of TPH as gasoline for project samples GMW-17, GMW-17dup, GMW-18, GMW-59, GMW-59 Dup, GMW-60, GMW-61, and GMW-62 does not match the chromatographic pattern of the gasoline standard. Quantification of the unknown hydrocarbons in GMW-17, and GMW-17dup, GMW-18, GMW-59, GMW-59 Dup, GMW-60, GMW-61, and GMW-62 was based on the gasoline standard. These results are qualified as estimates (“J” flag).

The sample chromatographic pattern of TPH as JP-5 for project samples GMW-12, GMW-12 Dup, GMW-15, GMW-16, GMW-45, MW-22(mid), and MW-23(mid) does not match the chromatographic pattern of the JP-5 standard. Quantification of the unknown hydrocarbons in GMW-12, GMW-12 Dup, GMW-15, GMW-16, GMW-45, MW-22(mid), and MW-23(mid) was based on the JP-5 standard. These results are qualified as estimates (“J” flag).

9.0 CASE NARRATIVES: COMMENTS ON SPECIAL ISSUES

There were no comments on any special issues in these laboratory reports.



April 19, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-0841**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/12/2010 and analyzed in accordance with the attached chain-of-custody.

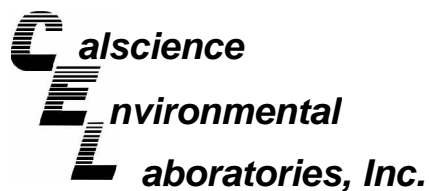
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-1	10-04-0841-2-D	04/12/10 08:46	Aqueous	GC 27	04/14/10	04/15/10 17:40	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	88	68-140			

EXP-2	10-04-0841-3-D	04/12/10 09:29	Aqueous	GC 27	04/14/10	04/15/10 17:58	100414B15
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Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	99	68-140			

EXP-3	10-04-0841-4-D	04/12/10 10:23	Aqueous	GC 27	04/14/10	04/15/10 18:15	100414B15
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Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	100	68-140			

GMW-6	10-04-0841-5-D	04/12/10 11:14	Aqueous	GC 27	04/14/10	04/15/10 18:33	100414B15
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Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	93	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-56	10-04-0841-6-D	04/12/10 12:03	Aqueous	GC 27	04/14/10	04/15/10 18:52	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	88	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-16	10-04-0841-7-D	04/12/10 13:04	Aqueous	GC 27	04/14/10	04/15/10 19:09	100414B15

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	110	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	93	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-45	10-04-0841-8-D	04/12/10 13:42	Aqueous	GC 27	04/14/10	04/15/10 19:27	100414B15

Comment(s): -The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons are also present (or were detected).

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1700	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	100	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-57	10-04-0841-9-D	04/12/10 14:26	Aqueous	GC 27	04/14/10	04/15/10 19:45	100414B15

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	95	68-140			

Method Blank	099-12-366-60	N/A	Aqueous	GC 27	04/14/10	04/15/10 13:29	100414B15
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-1	10-04-0841-1-A	04/12/10 08:00	Aqueous	GC/MS S	04/13/10	04/14/10 02:35	100413L02


Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	80-132	
Toluene-d8	100	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	102	80-141	
1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-1	10-04-0841-2-A	04/12/10 08:46	Aqueous	GC/MS S	04/13/10	04/14/10 03:05	100413L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.44	0.50	0.30	1	J
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-132	
Toluene-d8	101	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	105	80-141	
1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-2	10-04-0841-3-B	04/12/10 09:29	Aqueous	GC/MS S	04/14/10	04/14/10 14:53	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	102	80-141	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EXP-3	10-04-0841-4-A	04/12/10 10:23	Aqueous	GC/MS S	04/13/10	04/14/10 07:06	100413L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	0.31	0.50	0.28	1	J	t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	109	80-132		1,2-Dichloroethane-d4	102	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-56	10-04-0841-6-A	04/12/10 12:03	Aqueous	GC/MS S	04/13/10	04/14/10 08:07	100413L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 111 80-132
Toluene-d8 103 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 107 80-141
1,4-Bromofluorobenzene 95 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-57	10-04-0841-9-A	04/12/10 14:26	Aqueous	GC/MS S	04/14/10	04/14/10 21:48	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	0.24	1.0	0.23	1	J
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	80-132	
Toluene-d8	100	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	100	80-141	
1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 7 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-427	N/A	Aqueous	GC/MS S	04/13/10	04/14/10 01:36	100413L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	1.0	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	10	4.3	1		Methylene Chloride	ND	10	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	1.0	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	10	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	1.0	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	1.0	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	110	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 8 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-432	N/A	Aqueous	GC/MS S	04/14/10	04/14/10 14:23	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	1.0	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	10	4.3	1		Methylene Chloride	ND	10	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	1.0	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	10	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	1.0	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	1.0	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	107	80-132		1,2-Dichloroethane-d4	102	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-6	10-04-0841-5-B	04/12/10 11:14	Aqueous	GC/MS S	04/14/10	04/14/10 20:45	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	7.2	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	108	80-132		1,2-Dichloroethane-d4	102	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	94	76-120	

GMW-16	10-04-0841-7-A	04/12/10 13:04	Aqueous	GC/MS S	04/13/10	04/14/10 08:37	100413L02
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Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	108	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-45	10-04-0841-8-B	04/12/10 13:42	Aqueous	GC/MS S	04/14/10	04/14/10 21:16	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	85	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	11	10	3.5	1	
Ethylbenzene	2.6	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	0.28	0.50	0.24	1	J	Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	110	80-132				1,2-Dichloroethane-d4	100	80-141			
Toluene-d8	103	80-120				1,4-Bromofluorobenzene	99	76-120			

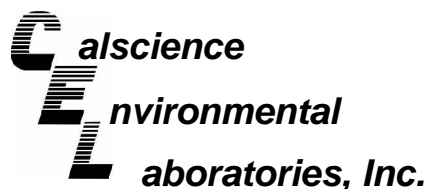
Method Blank	099-14-001-427	N/A	Aqueous	GC/MS S	04/13/10	04/14/10 01:36	100413L02
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	1.0	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	1.0	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	1.0	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	1.0	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	110	80-132				1,2-Dichloroethane-d4	105	80-141			
Toluene-d8	101	80-120				1,4-Bromofluorobenzene	92	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-432	N/A	Aqueous	GC/MS S	04/14/10	04/14/10 14:23	100414L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	1.0	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	1.0	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	1.0	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	1.0	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	107	80-132				1,2-Dichloroethane-d4	102	80-141			
Toluene-d8	100	80-120				1,4-Bromofluorobenzene	98	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

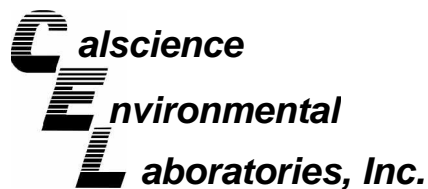
Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EXP-1	Aqueous	GC/MS S	04/13/10	04/14/10	100413S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	111	108	72-120	3	0-20	
Carbon Tetrachloride	123	125	63-135	2	0-20	
Chlorobenzene	106	104	80-120	2	0-20	
1,2-Dibromoethane	98	98	80-120	0	0-20	
1,2-Dichlorobenzene	97	100	80-120	4	0-20	
1,1-Dichloroethene	106	107	60-132	1	0-24	
Ethylbenzene	108	108	78-120	0	0-20	
Toluene	110	107	74-122	3	0-20	
Trichloroethene	111	107	69-120	4	0-20	
Vinyl Chloride	109	111	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	94	96	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	90	95	72-126	6	0-20	
Diisopropyl Ether (DIPE)	107	109	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	99	97	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	100	76-124	2	0-20	
Ethanol	88	93	35-167	5	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

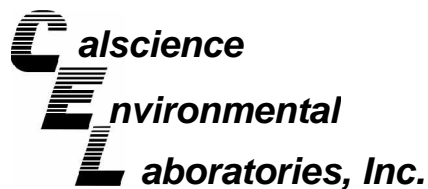
Date Received: 04/12/10
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EXP-2	Aqueous	GC/MS S	04/14/10	04/14/10	100414S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	110	72-120	0	0-20	
Carbon Tetrachloride	128	126	63-135	2	0-20	
Chlorobenzene	109	107	80-120	2	0-20	
1,2-Dibromoethane	101	99	80-120	2	0-20	
1,2-Dichlorobenzene	104	103	80-120	1	0-20	
1,1-Dichloroethene	109	103	60-132	6	0-24	
Ethylbenzene	111	108	78-120	3	0-20	
Toluene	109	109	74-122	0	0-20	
Trichloroethene	113	110	69-120	2	0-20	
Vinyl Chloride	104	112	58-130	8	0-20	
Methyl-t-Butyl Ether (MTBE)	101	97	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	89	92	72-126	3	0-20	
Diisopropyl Ether (DIPE)	113	113	71-137	0	0-23	
Ethyl-t-Butyl Ether (ETBE)	102	105	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	106	76-124	4	0-20	
Ethanol	91	112	35-167	20	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

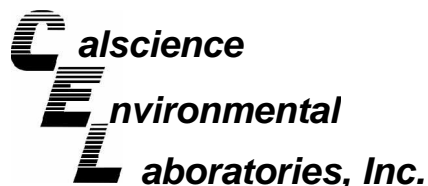
Date Received: N/A
Work Order No: 10-04-0841
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-60	Aqueous	GC 27	04/14/10	04/15/10	100414B15

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	109	115	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-427	Aqueous	GC/MS S	04/13/10	04/14/10	100413L02		
<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	113	112	80-122	73-129	0	0-20	
Carbon Tetrachloride	128	126	68-140	56-152	1	0-20	
Chlorobenzene	106	105	80-120	73-127	1	0-20	
1,2-Dibromoethane	106	101	80-121	73-128	5	0-20	
1,2-Dichlorobenzene	102	98	80-120	73-127	3	0-20	
1,1-Dichloroethene	109	104	72-132	62-142	5	0-25	
Ethylbenzene	110	107	80-126	72-134	2	0-20	
Toluene	112	110	80-121	73-128	2	0-20	
Trichloroethene	114	112	80-123	73-130	2	0-20	
Vinyl Chloride	105	107	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	100	99	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	87	89	75-123	67-131	3	0-20	
Diisopropyl Ether (DIPE)	113	112	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	103	104	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	109	107	80-123	73-130	2	0-20	
Ethanol	80	84	61-139	48-152	5	0-27	

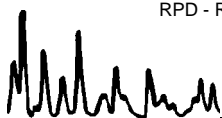
Total number of LCS compounds : 16

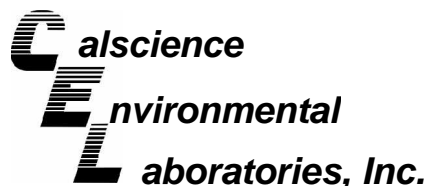
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0841
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-432	Aqueous	GC/MS S	04/14/10	04/14/10	100414L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	112	108	80-122	73-129	3	0-20	
Carbon Tetrachloride	129	125	68-140	56-152	4	0-20	
Chlorobenzene	107	110	80-120	73-127	2	0-20	
1,2-Dibromoethane	101	102	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	106	103	80-120	73-127	3	0-20	
1,1-Dichloroethene	106	107	72-132	62-142	1	0-25	
Ethylbenzene	111	111	80-126	72-134	0	0-20	
Toluene	109	108	80-121	73-128	2	0-20	
Trichloroethene	111	109	80-123	73-130	2	0-20	
Vinyl Chloride	115	115	67-133	56-144	0	0-20	
Methyl-t-Butyl Ether (MTBE)	96	96	75-123	67-131	0	0-20	
Tert-Butyl Alcohol (TBA)	89	91	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	114	110	71-131	61-141	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	102	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	102	80-123	73-130	2	0-20	
Ethanol	109	84	61-139	48-152	26	0-27	

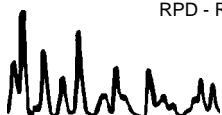
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

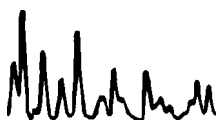


Glossary of Terms and Qualifiers



Work Order Number: 10-04-0841

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date: 4/12/2010
Page 1 of 1

LABORATORY CLIENT: <u>Parsons</u>		CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk GWM</u>		P.O. NO.:	
ADDRESS: <u>100 W. Walnut St</u>		PROJECT CONTACT: <u>Mary Lucas</u>		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
CITY: <u>Pasadena</u>		STATE: <u>CA</u>		ZIP: <u>91124</u>	
TEL: <u>626-440-6032</u>		E-MAIL: <u>Mary.Lucas@parsons.com</u>		SAMPLER(S) (PRINT): <u>M. Hansen (1208)</u>	
TURNAROUND TIME: <input type="checkbox"/> SAME-DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		COOLER RECEIPT TEMP= _____ °C	

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

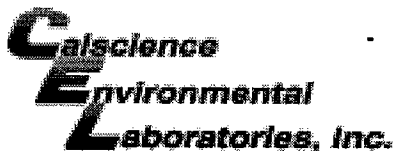
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (g) or (66-636) or (66-641) JPS	TPH ()	BTEX / MTBE (8260B) 8260B (8260B) (8260B)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
1	TR-1		4/12/10	0800	w	2	X			X												
2	EXP-1			0846	w	5	X	X		X												
3	EXP-2			0929	w	5	X			X												
4	EXP-3			1023	w	5	X			X												
5	GMW-6			1114	w	5	X	X														
6	GMW-56			1203	w	5	X			X												
7	GMW-10			1304	w	5	X	X														
8	GMW-45			1342	w	5	X	X														
9	GMW-57		4/12/10	1426	w	5	X			X												

Relinquished by: (Signature) <u>M. Hansen</u>	Received by: (Signature/Affiliation) <u>M. Hansen</u> <u>CEL</u>	Date: <u>4/12/10</u>	Time: <u>15:00</u>
Relinquished by: (Signature) <u>M. Hansen</u>	Received by: (Signature/Affiliation) <u>Dan Hyle</u> <u>CEL</u>	Date: <u>4/12/10</u>	Time: <u>16:00</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 10-04-0841

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 04/12/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 3.4 °C + 0.5°C (CF) = 3.9 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: AM

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: AM

Sample _____ No (Not Intact) Not Present Initial: AM

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

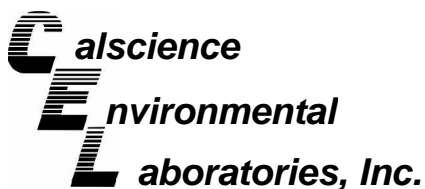
500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 500PB 500PB_{na}

250PB 250PB_n 125PB 125PB_{z_{na}} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** AM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** AM

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** AM



April 23, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-0929**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/13/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22 (MID)	10-04-0929-2-D	04/13/10 07:41	Aqueous	GC 27	04/14/10	04/15/10 14:22	100414B15

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	220	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-25	10-04-0929-3-D	04/13/10 08:12	Aqueous	GC 27	04/14/10	04/15/10 14:40	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	101	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-26	10-04-0929-4-D	04/13/10 09:05	Aqueous	GC 27	04/14/10	04/15/10 14:58	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	103	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-27	10-04-0929-5-D	04/13/10 09:44	Aqueous	GC 27	04/14/10	04/15/10 15:16	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	92	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-13	10-04-0929-6-D	04/13/10 10:42	Aqueous	GC 27	04/14/10	04/15/10 15:34	100414B15

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	98	68-140			

MW-14	10-04-0929-7-D	04/13/10 11:16	Aqueous	GC 27	04/14/10	04/15/10 15:52	100414B15
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

MW-24	10-04-0929-8-D	04/13/10 12:38	Aqueous	GC 27	04/14/10	04/15/10 16:09	100414B15
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	101	68-140			

GW-6	10-04-0929-9-D	04/13/10 13:35	Aqueous	GC 27	04/14/10	04/15/10 16:28	100414B15
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23 (MID)	10-04-0929-10-D	04/13/10 14:23	Aqueous	GC 27	04/14/10	04/15/10 16:46	100414B15

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1000	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	100	68-140			

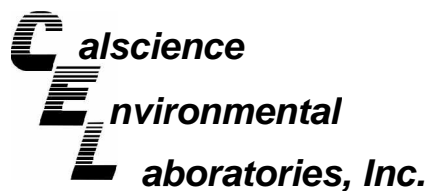
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	10-04-0929-11-G	04/13/10 15:18	Aqueous	GC 27	04/14/10	04/15/10 17:04	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1300	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	91	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-366-60	N/A	Aqueous	GC 27	04/14/10	04/15/10 13:29	100414B15

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	10-04-0929-11-F	04/13/10 15:18	Aqueous	GC 18	04/14/10	04/15/10 06:58	100414B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1900	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	156	38-134	2

Method Blank	099-12-247-4,103	N/A	Aqueous	GC 18	04/14/10	04/14/10 22:05	100414B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	75	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-2	10-04-0929-1-A	04/13/10 07:00	Aqueous	GC/MS XX	04/14/10	04/15/10 01:06	100414L02


Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-132	
Toluene-d8	98	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	121	80-141	
1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-22 (MID)	10-04-0929-2-A	04/13/10 07:41	Aqueous	GC/MS XX	04/14/10	04/15/10 07:30	100414L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	11	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	8.7	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	23	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	1.8	2.0	0.31	1	J
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	80-132	
Toluene-d8	98	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	122	80-141	
1,4-Bromofluorobenzene	89	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-25	10-04-0929-3-B	04/13/10 08:12	Aqueous	GC/MS XX	04/15/10	04/15/10 21:10	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	10	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	2.7	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	2.5	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-132	
Toluene-d8	101	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	108	80-141	
1,4-Bromofluorobenzene	88	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-26	10-04-0929-4-A	04/13/10 09:05	Aqueous	GC/MS XX	04/14/10	04/15/10 08:25	100414L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.66	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	80-132	
Toluene-d8	115	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	126	80-141	
1,4-Bromofluorobenzene	95	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-27	10-04-0929-5-B	04/13/10 09:44	Aqueous	GC/MS XX	04/19/10	04/19/10 12:31	100419L01


Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	7.5	10	3.5	1	J
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	80-132	
Toluene-d8	98	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	119	80-141	
1,4-Bromofluorobenzene	90	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-13	10-04-0929-6-B	04/13/10 10:42	Aqueous	GC/MS XX	04/19/10	04/19/10 14:21	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	7.4	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	12	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	16	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	1.5	2.0	0.31	1	J
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							


Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 115 80-132
Toluene-d8 98 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 115 80-141
1,4-Bromofluorobenzene 90 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14	10-04-0929-7-B	04/13/10 11:16	Aqueous	GC/MS XX	04/19/10	04/19/10 14:49	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	0.40	0.50	0.31	1	J	o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	4.3	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	117	80-132		1,2-Dichloroethane-d4	119	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	89	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-24	10-04-0929-8-B	04/13/10 12:38	Aqueous	GC/MS XX	04/19/10	04/19/10 15:16	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	80-132	
Toluene-d8	99	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	121	80-141	
1,4-Bromofluorobenzene	89	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-6	10-04-0929-9-B	04/13/10 13:35	Aqueous	GC/MS XX	04/19/10	04/19/10 15:44	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.76	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 121 80-132
Toluene-d8 99 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 122 80-141
1,4-Bromofluorobenzene 88 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	10-04-0929-11-C	04/13/10 15:18	Aqueous	GC/MS LL	04/21/10	04/21/10 17:29	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	580	2.5	1.4	5		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	8.7	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	64	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	2.6	1.0	0.28	1		Naphthalene	110	10	2.5	1	
sec-Butylbenzene	9.8	1.0	0.20	1		n-Propylbenzene	61	1.0	0.79	1	
tert-Butylbenzene	1.1	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	0.44	1.0	0.31	1	J
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	0.28	1.0	0.24	1	J
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	0.26	0.50	0.24	1	J
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	80-132	
Toluene-d8	104	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	110	80-141	
1,4-Bromofluorobenzene	94	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-434	N/A	Aqueous	GC/MS XX	04/14/10	04/15/10 00:38	100414L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	108	80-132		1,2-Dichloroethane-d4	119	80-141	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 04/13/10
 Work Order No: 10-04-0929
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-452	N/A	Aqueous	GC/MS XX	04/15/10	04/15/10 17:58	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	103	80-132		1,2-Dichloroethane-d4	106	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-473	N/A	Aqueous	GC/MS XX	04/19/10	04/19/10 12:03	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-132	
Toluene-d8	99	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	111	80-141	
1,4-Bromofluorobenzene	90	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-507	N/A	Aqueous	GC/MS LL	04/21/10	04/21/10 14:04	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	85	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-23 (MID)	10-04-0929-10-B	04/13/10 14:23	Aqueous	GC/MS XX	04/19/10	04/19/10 16:11	100419L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	4.8	10	3.5	1	J
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	120	80-132				1,2-Dichloroethane-d4	121	80-141			
Toluene-d8	101	80-120				1,4-Bromofluorobenzene	90	76-120			

Method Blank	099-14-001-473	N/A	Aqueous	GC/MS XX	04/19/10	04/19/10 12:03	100419L01
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	113	80-132				1,2-Dichloroethane-d4	111	80-141			
Toluene-d8	99	80-120				1,4-Bromofluorobenzene	90	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

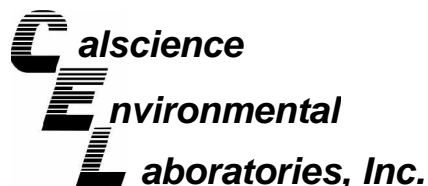
Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0968-1	Aqueous	GC 18	04/14/10	04/15/10	100414S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	82	92	68-122	10	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

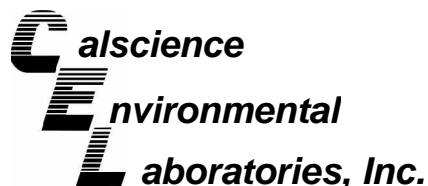
Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0950-2	Aqueous	GC/MS XX	04/14/10	04/15/10	100414S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	106	72-120	1	0-20	
Carbon Tetrachloride	95	95	63-135	0	0-20	
Chlorobenzene	97	97	80-120	0	0-20	
1,2-Dibromoethane	99	98	80-120	1	0-20	
1,2-Dichlorobenzene	95	97	80-120	2	0-20	
1,1-Dichloroethene	93	102	60-132	9	0-24	
Ethylbenzene	100	100	78-120	0	0-20	
Toluene	101	101	74-122	0	0-20	
Trichloroethene	100	99	69-120	1	0-20	
Vinyl Chloride	129	126	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	98	97	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	80	97	72-126	19	0-20	
Diisopropyl Ether (DIPE)	113	112	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	95	96	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	85	88	76-124	3	0-20	
Ethanol	110	131	35-167	18	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0839-4	Aqueous	GC/MS XX	04/15/10	04/15/10	100415S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	102	72-120	1	0-20	
Carbon Tetrachloride	102	105	63-135	3	0-20	
Chlorobenzene	101	102	80-120	1	0-20	
1,2-Dibromoethane	103	106	80-120	3	0-20	
1,2-Dichlorobenzene	104	98	80-120	6	0-20	
1,1-Dichloroethene	101	103	60-132	2	0-25	
Ethylbenzene	105	105	78-120	0	0-20	
Toluene	111	102	74-122	8	0-20	
Trichloroethene	100	100	69-120	1	0-20	
Vinyl Chloride	99	97	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	101	104	72-126	3	0-20	
Tert-Butyl Alcohol (TBA)	105	100	72-126	5	0-20	
Diisopropyl Ether (DIPE)	104	105	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	102	104	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	106	76-124	2	0-20	
Ethanol	103	91	36-167	13	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-27	Aqueous	GC/MS XX	04/19/10	04/19/10	100419S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	102	72-120	2	0-20	
Carbon Tetrachloride	106	108	63-135	2	0-20	
Chlorobenzene	99	101	80-120	2	0-20	
1,2-Dibromoethane	101	102	80-120	1	0-20	
1,2-Dichlorobenzene	95	98	80-120	3	0-20	
1,1-Dichloroethene	91	93	60-132	2	0-24	
Ethylbenzene	101	103	78-120	1	0-20	
Toluene	99	101	74-122	2	0-20	
Trichloroethene	99	101	69-120	2	0-20	
Vinyl Chloride	100	101	58-130	0	0-20	
Methyl-t-Butyl Ether (MTBE)	97	100	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	86	86	72-126	1	0-20	
Diisopropyl Ether (DIPE)	99	102	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	95	99	74-128	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	103	76-124	4	0-20	
Ethanol	64	70	35-167	10	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

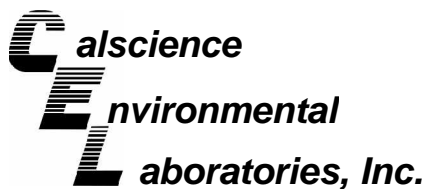
Date Received: 04/13/10
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1376-2	Aqueous	GC/MS LL	04/21/10	04/21/10	100421S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	96	72-120	7	0-20	
Carbon Tetrachloride	121	117	63-135	3	0-20	
Chlorobenzene	101	96	80-120	5	0-20	
1,2-Dibromoethane	108	103	80-120	5	0-20	
1,2-Dichlorobenzene	99	95	80-120	5	0-20	
1,1-Dichloroethene	106	104	60-132	2	0-24	
Ethylbenzene	105	101	78-120	4	0-20	
Toluene	106	98	74-122	7	0-20	
Trichloroethene	104	97	69-120	7	0-20	
Vinyl Chloride	108	108	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	109	105	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	95	98	72-126	2	0-20	
Diisopropyl Ether (DIPE)	112	109	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	105	104	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	99	76-124	6	0-20	
Ethanol	87	87	35-167	0	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

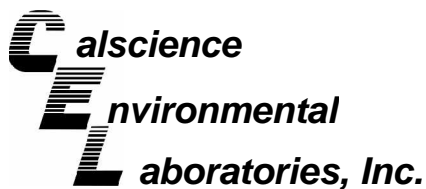
Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-60	Aqueous	GC 27	04/14/10	04/15/10	100414B15

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	109	115	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

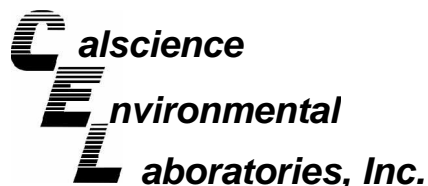
Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,103	Aqueous	GC 18	04/14/10	04/14/10	100414B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	92	92	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-434	Aqueous	GC/MS XX	04/14/10	04/14/10	100414L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	105	105	80-122	73-129	0	0-20	
Carbon Tetrachloride	95	96	68-140	56-152	2	0-20	
Chlorobenzene	98	99	80-120	73-127	1	0-20	
1,2-Dibromoethane	103	105	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	97	98	80-120	73-127	1	0-20	
1,1-Dichloroethene	110	112	72-132	62-142	2	0-25	
Ethylbenzene	101	101	80-126	72-134	0	0-20	
Toluene	100	101	80-121	73-128	0	0-20	
Trichloroethene	99	100	80-123	73-130	1	0-20	
Vinyl Chloride	113	123	67-133	56-144	9	0-20	
Methyl-t-Butyl Ether (MTBE)	100	103	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	95	87	75-123	67-131	9	0-20	
Diisopropyl Ether (DIPE)	112	116	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	100	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	89	91	80-123	73-130	3	0-20	
Ethanol	145	126	61-139	48-152	14	0-27	ME

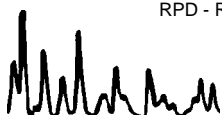
Total number of LCS compounds : 16

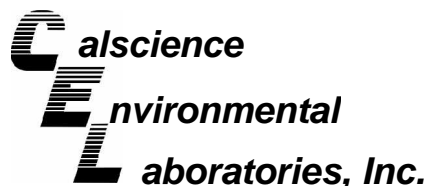
Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-452	Aqueous	GC/MS XX	04/15/10	04/15/10	100415L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	98	101	80-122	73-129	3	0-20	
Carbon Tetrachloride	98	104	68-140	56-152	6	0-20	
Chlorobenzene	98	102	80-120	73-127	3	0-20	
1,2-Dibromoethane	102	101	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	97	101	80-120	73-127	4	0-20	
1,1-Dichloroethene	99	103	72-132	62-142	4	0-25	
Ethylbenzene	103	107	80-126	72-134	4	0-20	
Toluene	99	103	80-121	73-128	4	0-20	
Trichloroethene	97	102	80-123	73-130	5	0-20	
Vinyl Chloride	86	100	67-133	56-144	15	0-20	
Methyl-t-Butyl Ether (MTBE)	108	99	75-123	67-131	8	0-20	
Tert-Butyl Alcohol (TBA)	95	106	75-123	67-131	11	0-20	
Diisopropyl Ether (DIPE)	103	103	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	102	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	103	80-123	73-130	1	0-20	
Ethanol	90	92	61-139	48-152	2	0-27	

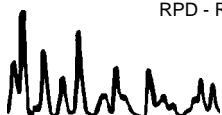
Total number of LCS compounds : 16

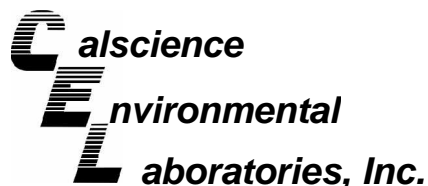
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-473	Aqueous	GC/MS XX	04/19/10	04/19/10	100419L01		
<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	97	98	80-122	73-129	1	0-20	
Carbon Tetrachloride	105	106	68-140	56-152	1	0-20	
Chlorobenzene	98	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	97	100	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	96	97	80-120	73-127	1	0-20	
1,1-Dichloroethene	89	89	72-132	62-142	0	0-25	
Ethylbenzene	101	101	80-126	72-134	0	0-20	
Toluene	99	98	80-121	73-128	0	0-20	
Trichloroethene	97	98	80-123	73-130	1	0-20	
Vinyl Chloride	97	93	67-133	56-144	5	0-20	
Methyl-t-Butyl Ether (MTBE)	94	98	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	96	112	75-123	67-131	15	0-20	
Diisopropyl Ether (DIPE)	96	99	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	96	98	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	101	80-123	73-130	2	0-20	
Ethanol	79	79	61-139	48-152	1	0-27	

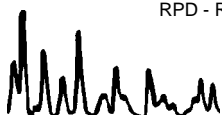
Total number of LCS compounds : 16

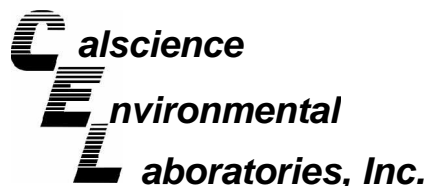
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-0929
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-507	Aqueous	GC/MS LL	04/21/10	04/21/10	100421L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	106	105	80-122	73-129	1	0-20	
Carbon Tetrachloride	116	115	68-140	56-152	1	0-20	
Chlorobenzene	99	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	105	105	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	99	97	80-120	73-127	2	0-20	
1,1-Dichloroethene	105	105	72-132	62-142	0	0-25	
Ethylbenzene	105	103	80-126	72-134	1	0-20	
Toluene	105	103	80-121	73-128	2	0-20	
Trichloroethene	100	101	80-123	73-130	1	0-20	
Vinyl Chloride	115	113	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	104	107	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	97	99	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	107	108	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	105	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	103	80-123	73-130	1	0-20	
Ethanol	99	101	61-139	48-152	2	0-27	

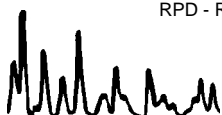
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 10-04-0929

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/13/10

Page 1 of 2

LABORATORY CLIENT: <u>Parsons</u>				CLIENT PROJECT NAME / NUMBER: <u>DESP Norwalk GWM</u>				P.O. NO.:																		
ADDRESS: <u>100 W. Walnut St.</u>				PROJECT CONTACT: <u>Mary Lucas</u>				LAB USE ONLY <input type="checkbox"/> 0 <input type="checkbox"/> 4 - <input type="checkbox"/> 0 <input type="checkbox"/> 9 <input type="checkbox"/> 2 <input type="checkbox"/> 9																		
CITY: <u>Pasadena</u>		STATE: <u>CA</u>		ZIP: <u>91124</u>		SAMPLER(S) (PRINT): <u>M. Housee (Blaine Tech)</u>		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		COOLER RECEIPT TEMP= _____ °C																
TEL: <u>626-440-6032</u>		E-MAIL: <u>Mary.Lucas@parsons.com</u>		REQUESTED ANALYSES																						
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD																										
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/> _____				<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 5%;">TPH (g/8015)</td> <td style="width: 5%;">TPH (g/1000)</td> <td style="width: 5%;">TPH (AS JPS)</td> <td style="width: 5%;">BTEX / MTBE (8260B) not toxy</td> <td style="width: 5%;">VOCs (8260B) toxy</td> <td style="width: 5%;">Oxygenates (8260B)</td> <td style="width: 5%;">Encore Prep (5035)</td> <td style="width: 5%;">SVOCs (8270C)</td> <td style="width: 5%;">Pesticides (8081A)</td> <td style="width: 5%;">PCBs (8082)</td> <td style="width: 5%;">PNAs (8310) or (8270C)</td> <td style="width: 5%;">T22 Metals (6010B/747X)</td> <td style="width: 5%;">Cr(VI) [7196A or 7199 or 218.6]</td> <td style="width: 5%;">VOCs (TO-14A) or (TO-15)</td> <td style="width: 5%;">TPH (g) [TO-3]*</td> </tr> </table>				TPH (g/8015)	TPH (g/1000)	TPH (AS JPS)	BTEX / MTBE (8260B) not toxy	VOCs (8260B) toxy	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]*				
TPH (g/8015)	TPH (g/1000)	TPH (AS JPS)	BTEX / MTBE (8260B) not toxy					VOCs (8260B) toxy	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]*								
SPECIAL INSTRUCTIONS:																										
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.																				
			DATE	TIME																						
1	TS-2		4/13/10	0700	w	2																				
2	MW-22 (MID)			0741	w	5																				
3	MW-25			0812	w	5																				
4	MW-26			0905	w	5																				
5	MW-27			0944	w	5																				
6	GW-13			1042	w	5																				
7	MW-14			1116	w	5																				
8	MW-24			1238	w	5																				
9	GW-6			1335	w	5																				
10	MW-23 (MID)		4/13/10	1423	w	5																				
Relinquished by: (Signature) <u>[Signature]</u>				Received by: (Signature/Affiliation) <u>[Signature]</u>				Date: <u>4/13/10</u>		Time: <u>1615</u>																
Relinquished by: (Signature) <u>[Signature]</u>				Received by: (Signature/Affiliation) <u>[Signature]</u>				Date: <u>04/13/10</u>		Time: <u>1700</u>																
Relinquished by: (Signature) <u>[Signature]</u>				Received by: (Signature/Affiliation) <u>[Signature]</u>				Date:		Time:																

DISTRIBUTION: White with final report, Green and Yellow to Client.
 Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision



Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/13/10

Page 2 of 2

LABORATORY CLIENT: Parsons		CLIENT PROJECT NAME / NUMBER: DPSP Norwalk GWM		P.O. NO.:	
ADDRESS: 100 W Walnut St.		PROJECT CONTACT: Mary Lucas		LAB USE ONLY <input type="checkbox"/> 0 <input type="checkbox"/> 4 - <input type="checkbox"/> 0 <input type="checkbox"/> 9 <input type="checkbox"/> 2 <input type="checkbox"/> 9	
CITY: Pasadena	STATE: CA	ZIP: 91124	SAMPLER(S) (PRINT): (Bainy) (Teah)	COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
TEL: 626-440-6032	E-MAIL: mary.lucas@parsons.com		COOLER RECEIPT		TEMP: _____ °C

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

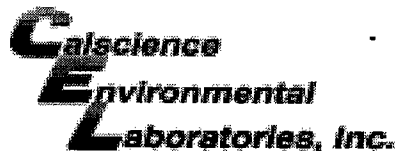
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (8015)	TPH (g) (8015) + PCBs (8015) + JFS	TPH (AS-IP5)	BTEX / MTBE (8260B) + TOXY	VOCs (8260B) + TOXY	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3] +	
			DATE	TIME																		
1	EMW-60		4/13/10	1518	W	8	X	X	X													

Relinquished by: (Signature) <i>M. Hance</i>	Received by: (Signature/Affiliation) <i>Abby Murray</i>	Date: 4/13/10	Time: 16:15
Relinquished by: (Signature) <i>Abby Murray</i>	Received by: (Signature/Affiliation) <i>Abby Murray</i>	Date: 04/13/10	Time: 1700
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
 Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 10-04-0929

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 04/31/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.1 °C + 0.5 °C (CF) = 3.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: AM

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: AM

Sample _____ No (Not Intact) Not Present Initial: N

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

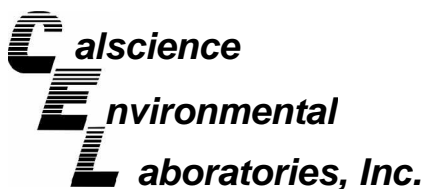
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBzanna 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** NC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** NC

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ zanna: ZnAc₂+NaOH f: Field-filtered **Scanned by:** NC



April 22, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-1041**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/14/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-64	10-04-1041-2-D	04/14/10 07:40	Aqueous	GC 27	04/15/10	04/17/10 04:08	100415B11

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	103	68-140			

GMW-65	10-04-1041-3-D	04/14/10 08:37	Aqueous	GC 27	04/15/10	04/17/10 04:25	100415B11
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	102	68-140			

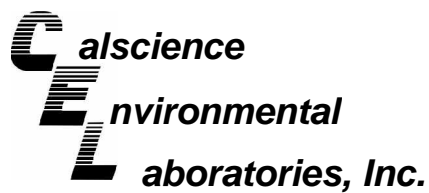
GMW-62	10-04-1041-4-G	04/14/10 09:21	Aqueous	GC 27	04/15/10	04/17/10 04:44	100415B11
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	430	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	99	68-140			

GMW-63	10-04-1041-5-D	04/14/10 09:57	Aqueous	GC 27	04/15/10	04/17/10 05:01	100415B11
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	106	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11	10-04-1041-6-D	04/14/10 10:53	Aqueous	GC 27	04/15/10	04/17/10 05:20	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	700	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	115	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17	10-04-1041-7-G	04/14/10 11:31	Aqueous	GC 27	04/15/10	04/17/10 05:38	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1900	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	95	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17Dup	10-04-1041-8-G	04/14/10 00:00	Aqueous	GC 27	04/15/10	04/17/10 05:56	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1800	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	102	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-31	10-04-1041-9-D	04/14/10 12:42	Aqueous	GC 27	04/15/10	04/17/10 06:14	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	93	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-41	10-04-1041-10-D	04/14/10 13:29	Aqueous	GC 27	04/15/10	04/17/10 06:32	100415B11

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	108	68-140			

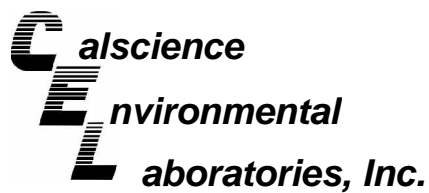
GMW-40	10-04-1041-11-D	04/14/10 14:41	Aqueous	GC 27	04/15/10	04/17/10 06:51	100415B11
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	106	68-140			

Method Blank	099-12-366-61	N/A	Aqueous	GC 27	04/15/10	04/17/10 03:13	100415B11
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	98	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-62	10-04-1041-4-E	04/14/10 09:21	Aqueous	GC 5	04/19/10	04/19/10 15:18	100419B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2400	1000	10		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	87	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17	10-04-1041-7-D	04/14/10 11:31	Aqueous	GC 5	04/16/10	04/17/10 05:03	100416B02

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

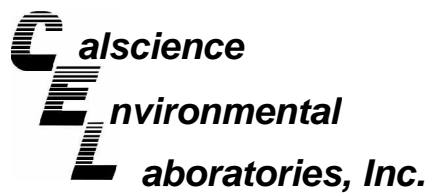
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1200	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17Dup	10-04-1041-8-D	04/14/10 00:00	Aqueous	GC 5	04/16/10	04/17/10 06:41	100416B02

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1400	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	98	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-247-4,102	N/A	Aqueous	GC 5	04/16/10	04/17/10 02:53	100416B02

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	86	38-134			

Method Blank	099-12-247-4,105	N/A	Aqueous	GC 5	04/19/10	04/19/10 12:02	100419B01
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-3	10-04-1041-1-A	04/14/10 07:00	Aqueous	GC/MS X	04/15/10	04/15/10 16:37	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-132	
Toluene-d8	101	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	109	80-141	
1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-64	10-04-1041-2-A	04/14/10 07:40	Aqueous	GC/MS X	04/15/10	04/15/10 18:15	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	80-132	
Toluene-d8	101	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	105	80-141	
1,4-Bromofluorobenzene	95	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-65	10-04-1041-3-A	04/14/10 08:37	Aqueous	GC/MS X	04/15/10	04/15/10 18:48	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	108	80-141	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-62	10-04-1041-4-C	04/14/10 09:21	Aqueous	GC/MS LL	04/21/10	04/21/10 15:02	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	1600	10	5.7	20		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	26	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	12	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	0.90	1.0	0.26	1	J
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	0.47	1.0	0.28	1	J	Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	1.5	1.0	0.20	1		n-Propylbenzene	8.3	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	0.60	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	1.0	5.0	0.49	1	J	1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	8.9	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	0.66	1.0	0.23	1	J
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	0.80	1.0	0.37	1	J	p/m-Xylene	33	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	12	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	107	80-132		1,2-Dichloroethane-d4	116	80-141	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-63	10-04-1041-5-A	04/14/10 09:57	Aqueous	GC/MS X	04/15/10	04/15/10 19:52	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	106	80-141	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	91	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-438	N/A	Aqueous	GC/MS X	04/15/10	04/15/10 12:18	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	95	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-464	N/A	Aqueous	GC/MS RR	04/16/10	04/17/10 00:02	100416L03

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	86	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	97	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-507	N/A	Aqueous	GC/MS LL	04/21/10	04/21/10 14:04	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	85	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11	10-04-1041-6-A	04/14/10 10:53	Aqueous	GC/MS X	04/15/10	04/15/10 20:24	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.


Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	0.58	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	3.8	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	100	80-132				1,2-Dichloroethane-d4	103	80-141			
Toluene-d8	100	80-120				1,4-Bromofluorobenzene	96	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17	10-04-1041-7-B	04/14/10 11:31	Aqueous	GC/MS RR	04/16/10	04/17/10 02:41	100416L03

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	59	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	5.5	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	0.34	0.50	0.33	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	2.0	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	101	80-132				1,2-Dichloroethane-d4	88	80-141			
Toluene-d8	102	80-120				1,4-Bromofluorobenzene	97	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-17Dup	10-04-1041-8-B	04/14/10 00:00	Aqueous	GC/MS RR	04/16/10	04/17/10 03:07	100416L03

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	56	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	5.2	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	1.8	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	85	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	98	76-120	

GMW-31	10-04-1041-9-B	04/14/10 12:42	Aqueous	GC/MS RR	04/16/10	04/17/10 03:34	100416L03
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	4.6	10	3.5	1	J
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	87	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	99	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-41	10-04-1041-10-B	04/14/10 13:29	Aqueous	GC/MS RR	04/16/10	04/17/10 04:00	100416L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	5.7	10	3.5	1	J
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	0.33	0.50	0.30	1	J						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	101	80-132				1,2-Dichloroethane-d4	87	80-141			
Toluene-d8	101	80-120				1,4-Bromofluorobenzene	97	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-40	10-04-1041-11-B	04/14/10 14:41	Aqueous	GC/MS RR	04/16/10	04/17/10 00:29	100416L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	100	80-132				1,2-Dichloroethane-d4	86	80-141			
Toluene-d8	101	80-120				1,4-Bromofluorobenzene	96	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-438	N/A	Aqueous	GC/MS X	04/15/10	04/15/10 12:18	100415L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	95	80-132		1,2-Dichloroethane-d4	105	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	96	76-120	


Method Blank	099-14-001-464	N/A	Aqueous	GC/MS RR	04/16/10	04/17/10 00:02	100416L03
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	99	80-132		1,2-Dichloroethane-d4	86	80-141	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	97	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

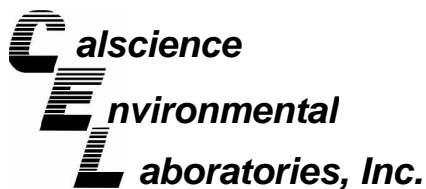
Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-17	Aqueous	GC 5	04/16/10	04/17/10	100416S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	112	108	68-122	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0997-1	Aqueous	GC 5	04/19/10	04/19/10	100419S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	112	112	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

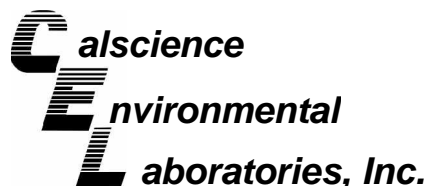
Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0640-5	Aqueous	GC/MS X	04/15/10	04/15/10	100415S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	120	119	72-120	1	0-20	
Carbon Tetrachloride	99	101	63-135	1	0-20	
Chlorobenzene	121	118	80-120	2	0-20	3
1,2-Dibromoethane	122	124	80-120	2	0-20	3
1,2-Dichlorobenzene	119	119	80-120	0	0-20	
1,1-Dichloroethene	135	139	60-132	3	0-24	3
Ethylbenzene	116	120	78-120	3	0-20	
Toluene	120	121	74-122	1	0-20	
Trichloroethene	122	121	69-120	1	0-20	3
Vinyl Chloride	133	137	58-130	3	0-20	3
Methyl-t-Butyl Ether (MTBE)	138	141	72-126	2	0-21	3
Tert-Butyl Alcohol (TBA)	97	104	72-126	4	0-20	
Diisopropyl Ether (DIPE)	114	111	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	111	111	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	115	121	76-124	5	0-20	
Ethanol	82	99	35-167	18	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

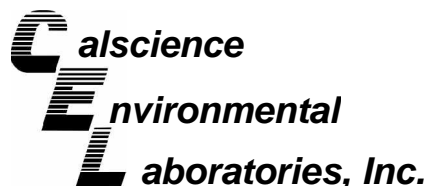
Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-40	Aqueous	GC/MS RR	04/16/10	04/17/10	100416S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	94	72-120	5	0-20	
Carbon Tetrachloride	82	80	63-135	3	0-20	
Chlorobenzene	94	89	80-120	6	0-20	
1,2-Dibromoethane	100	93	80-120	7	0-20	
1,2-Dichlorobenzene	90	85	80-120	6	0-20	
1,1-Dichloroethene	92	88	60-132	4	0-24	
Ethylbenzene	91	86	78-120	5	0-20	
Toluene	99	95	74-122	4	0-20	
Trichloroethene	97	93	69-120	4	0-20	
Vinyl Chloride	110	108	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	100	93	72-126	7	0-21	
Tert-Butyl Alcohol (TBA)	100	93	72-126	6	0-20	
Diisopropyl Ether (DIPE)	95	90	71-137	6	0-23	
Ethyl-t-Butyl Ether (ETBE)	95	90	74-128	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	89	76-124	7	0-20	
Ethanol	95	95	35-167	1	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

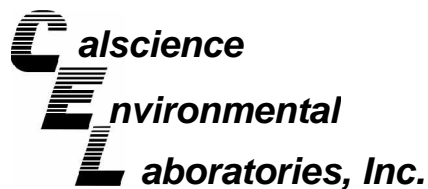
Date Received: 04/14/10
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1376-2	Aqueous	GC/MS LL	04/21/10	04/21/10	100421S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	96	72-120	7	0-20	
Carbon Tetrachloride	121	117	63-135	3	0-20	
Chlorobenzene	101	96	80-120	5	0-20	
1,2-Dibromoethane	108	103	80-120	5	0-20	
1,2-Dichlorobenzene	99	95	80-120	5	0-20	
1,1-Dichloroethene	106	104	60-132	2	0-24	
Ethylbenzene	105	101	78-120	4	0-20	
Toluene	106	98	74-122	7	0-20	
Trichloroethene	104	97	69-120	7	0-20	
Vinyl Chloride	108	108	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	109	105	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	95	98	72-126	2	0-20	
Diisopropyl Ether (DIPE)	112	109	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	105	104	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	99	76-124	6	0-20	
Ethanol	87	87	35-167	0	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

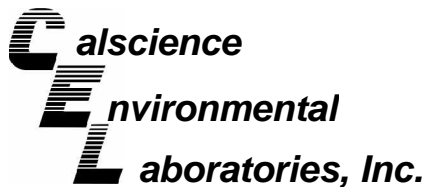
Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-61	Aqueous	GC 27	04/15/10	04/17/10	100415B11

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	105	110	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

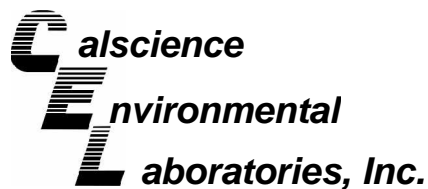
Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,102	Aqueous	GC 5	04/16/10	04/17/10	100416B02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	99	104	78-120	6	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

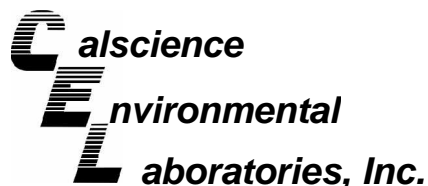
Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,105	Aqueous	GC 5	04/19/10	04/19/10	100419B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	110	108	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-438	Aqueous	GC/MS X	04/15/10	04/15/10	100415L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	105	108	80-122	73-129	3	0-20	
Carbon Tetrachloride	94	97	68-140	56-152	3	0-20	
Chlorobenzene	108	111	80-120	73-127	3	0-20	
1,2-Dibromoethane	106	112	80-121	73-128	6	0-20	
1,2-Dichlorobenzene	108	108	80-120	73-127	0	0-20	
1,1-Dichloroethene	118	123	72-132	62-142	4	0-25	
Ethylbenzene	110	115	80-126	72-134	4	0-20	
Toluene	111	112	80-121	73-128	1	0-20	
Trichloroethene	107	111	80-123	73-130	4	0-20	
Vinyl Chloride	127	122	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	115	121	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	86	98	75-123	67-131	13	0-20	
Diisopropyl Ether (DIPE)	103	102	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	103	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	104	80-123	73-130	2	0-20	
Ethanol	86	97	61-139	48-152	11	0-27	

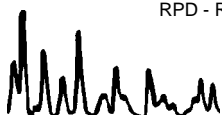
Total number of LCS compounds : 16

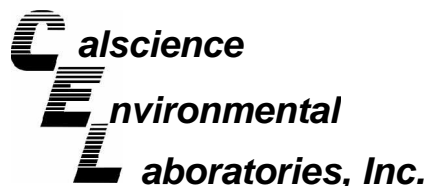
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-464	Aqueous	GC/MS RR	04/16/10	04/16/10	100416L03		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	88	93	80-122	73-129	6	0-20	
Carbon Tetrachloride	71	76	68-140	56-152	7	0-20	
Chlorobenzene	84	88	80-120	73-127	4	0-20	
1,2-Dibromoethane	90	94	80-121	73-128	5	0-20	
1,2-Dichlorobenzene	80	82	80-120	73-127	3	0-20	
1,1-Dichloroethene	81	85	72-132	62-142	5	0-25	
Ethylbenzene	81	84	80-126	72-134	4	0-20	
Toluene	88	93	80-121	73-128	5	0-20	
Trichloroethene	86	91	80-123	73-130	5	0-20	
Vinyl Chloride	99	107	67-133	56-144	8	0-20	
Methyl-t-Butyl Ether (MTBE)	91	96	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	92	91	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	85	89	71-131	61-141	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	88	91	76-124	68-132	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	92	80-123	73-130	4	0-20	
Ethanol	89	87	61-139	48-152	2	0-27	

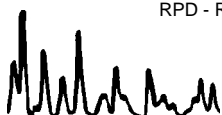
Total number of LCS compounds : 16

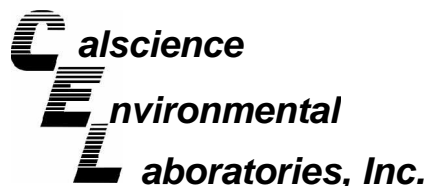
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1041
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-507	Aqueous	GC/MS LL	04/21/10	04/21/10	100421L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	106	105	80-122	73-129	1	0-20	
Carbon Tetrachloride	116	115	68-140	56-152	1	0-20	
Chlorobenzene	99	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	105	105	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	99	97	80-120	73-127	2	0-20	
1,1-Dichloroethene	105	105	72-132	62-142	0	0-25	
Ethylbenzene	105	103	80-126	72-134	1	0-20	
Toluene	105	103	80-121	73-128	2	0-20	
Trichloroethene	100	101	80-123	73-130	1	0-20	
Vinyl Chloride	115	113	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	104	107	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	97	99	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	107	108	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	105	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	103	80-123	73-130	1	0-20	
Ethanol	99	101	61-139	48-152	2	0-27	

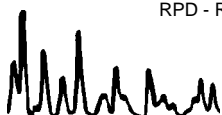
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

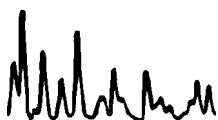
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-04-1041

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/14/10
 Page 1 of 2

LABORATORY CLIENT: <u>Parsons</u>					CLIENT PROJECT NAME / NUMBER: <u>DPSP Norwalk GWM</u>					P.O. NO.:												
ADDRESS: <u>100 W. Walnut St.</u>					PROJECT CONTACT: <u>Mary Lucas</u>					LAB USE ONLY <input checked="" type="checkbox"/> <u>4</u> - <input type="checkbox"/> <u>1</u> <input type="checkbox"/> <u>0</u> <input type="checkbox"/> <u>4</u> <input type="checkbox"/> <u>1</u>												
CITY: <u>Pasadena</u>		STATE: <u>CA</u>		ZIP: <u>91124</u>		SAMPLER(S): (PRINT) <u>M. Hansen (Eking)</u> <u>M. Hansen (Tech)</u>					COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											
TEL: <u>626-440-6032</u>		E-MAIL: <u>Mary.Lucas@parsons.com</u>			TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD					COOLER RECEIPT TEMP= _____ °C												
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/> _____					REQUESTED ANALYSES																	
SPECIAL INSTRUCTIONS:					<u>TPH (g) (8015)</u> <u>TPH (g) or (66-688) or (CS-247) (8015)</u> <u>TPH (AS-IPS by 8015)</u> <u>BTEX / MTBE (8260B) or (TOX)</u> <u>VOCs (8260B) + DAY</u> <u>Oxygenates (8260B)</u> <u>Encore Prep (5035)</u> <u>SVOCs (8270C)</u> <u>Pesticides (8081A)</u> <u>PCBs (8082)</u> <u>PNAs (8310) or (8270C)</u> <u>T22 Metals (6010B/747X)</u> <u>Cr(VI) [7196A or 7199 or 218.6]</u> <u>VOCs (TO-14A) or (TO-15)</u> <u>TPH (g) [TO-3]+</u>																	
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (8015)	TPH (g) or (66-688) or (CS-247) (8015)	TPH (AS-IPS by 8015)	BTEX / MTBE (8260B) or (TOX)	VOCs (8260B) + DAY	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
	1	TK-3	4/14/10	0700	w	2					X											
	2	GMW-64		0740	w	5			X		X											
	3	GMW-65		0837	w	5			X		X											
	4	GMW-62		0921	w	8	X		X		X											
	5	GMW-63		0957	w	5			X		X											
	6	MW-11		1053	w	5			X	X												
	7	GMW-17		1131	w	8	X		X	X												
	8	GMW-17dup		—	w	8	X		X	X												
	9	GMW-31		1242	w	5			X	X												
	10	GMW-41	4/14/10	1329	w	5			X	X												
Relinquished by: (Signature) <u>M. Hansen</u>							Received by: (Signature/Affiliation) <u>[Signature]</u>							Date: <u>4/14/10</u>		Time: <u>16:10</u>						
Relinquished by: (Signature) <u>[Signature]</u>							Received by: (Signature/Affiliation) <u>[Signature]</u>							Date: <u>4/14/10</u>		Time: <u>17:20</u>						
Relinquished by: (Signature)							Received by: (Signature/Affiliation)							Date: <u>4/14/10</u>		Time: <u>16:10</u>						



Calscience Environmental Laboratories, Inc.

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(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/14/10

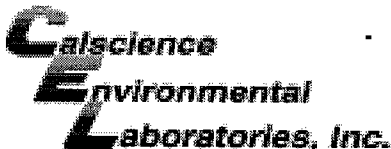
Page 2 of 2

LABORATORY CLIENT: <u>Parsons</u>				CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk BWM</u>				P.O. NO.:																															
ADDRESS: <u>100 W. Walnut St.</u>				PROJECT CONTACT: <u>Mary Lucas</u>				LAB USE ONLY <input type="checkbox"/> 4 - <input type="checkbox"/> 1047																															
CITY: <u>Pasadena</u>		STATE: <u>CA</u>		ZIP: <u>91124</u>		SAMPLER(S) (PRINT): <u>M. House (BAI/STOCK)</u>		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		COOLER RECEIPT TEMP = _____ °C																													
TEL: <u>626-440-6032</u>		E-MAIL: <u>Mary.Lucas@parsons.com</u>		TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD				REQUESTED ANALYSES																															
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>																																							
SPECIAL INSTRUCTIONS:				<table border="1"> <tr> <td>TPH (g) (8015)</td> <td>TPH (AS JFS 8015)</td> <td>BTEX / MTBE (8260B) or (8015)</td> <td>VOCs (8260B) + OXY</td> <td>Oxygenates (8260B)</td> <td>Encore Prep (5035)</td> <td>SVOCs (8270C)</td> <td>Pesticides (8081A)</td> <td>PCBs (8082)</td> <td>PNAs (8310) or (8270C)</td> <td>T22 Metals (6010B/747X)</td> <td>Cr(VI) [7196A or 7199 or 218.6]</td> <td>VOCs (TO-14A) or (TO-15)</td> <td>TPH (g) [TO-3]+</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								TPH (g) (8015)	TPH (AS JFS 8015)	BTEX / MTBE (8260B) or (8015)	VOCs (8260B) + OXY	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
TPH (g) (8015)	TPH (AS JFS 8015)	BTEX / MTBE (8260B) or (8015)	VOCs (8260B) + OXY									Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+																		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																																				
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING									MATRIX	NO. OF CONT.																										
			DATE											TIME																									
	Gmw-40		4/14/10									1441	W	5																									

Relinquished by: (Signature) <u>M. House</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4/14/10</u>	Time: <u>16:10</u>
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4/14/10</u>	Time: <u>17:20</u>
Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4/14/10</u>	Time: <u>16:40</u>

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

2016-PASQUALE 2009-0703



WORK ORDER #: 10-04-1041

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Parson

DATE: 04/14/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.5 °C + 0.5 °C (CF) = 3.5 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: JS

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JS

Sample _____ No (Not Intact) Not Present Initial: JS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA⁶h VOAn₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

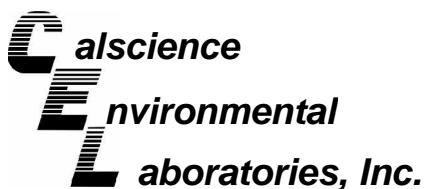
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ Trip Blank Lot# 100330C Labeled/Checked by: JS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: WSC

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered Scanned by: JS



April 23, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-1149**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/15/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-3	10-04-1149-2-D	04/15/10 07:54	Aqueous	GC 27	04/15/10	04/17/10 07:27	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	105	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-3	10-04-1149-3-D	04/15/10 08:48	Aqueous	GC 27	04/15/10	04/17/10 07:44	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1600	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	110	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-15	10-04-1149-4-D	04/15/10 09:41	Aqueous	GC 27	04/15/10	04/17/10 08:02	100415B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	760	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	104	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-12	10-04-1149-5-D	04/15/10 10:46	Aqueous	GC 27	04/15/10	04/17/10 08:19	100415B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	400	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-12dup	10-04-1149-6-D	04/15/10 00:00	Aqueous	GC 27	04/15/10	04/17/10 08:37	100415B11

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	360	100	1		ug/L

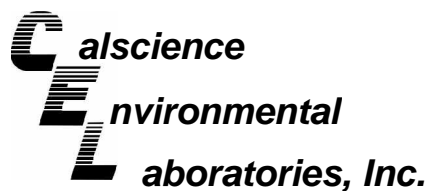
Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-16	10-04-1149-7-D	04/15/10 11:40	Aqueous	GC 27	04/15/10	04/17/10 08:54	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1000	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-44	10-04-1149-8-D	04/15/10 12:40	Aqueous	GC 27	04/15/10	04/17/10 09:12	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	109	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-43	10-04-1149-9-D	04/15/10 13:28	Aqueous	GC 27	04/15/10	04/17/10 09:30	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	107	68-140			

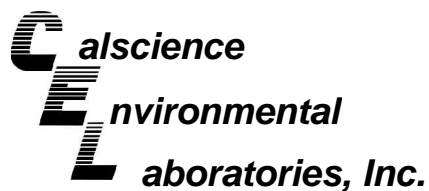
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	10-04-1149-10-G	04/15/10 14:55	Aqueous	GC 27	04/15/10	04/17/10 09:47	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	500	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	110	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-366-61	N/A	Aqueous	GC 27	04/15/10	04/17/10 03:13	100415B11

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	98	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	10-04-1149-10-D	04/15/10 14:55	Aqueous	GC 18	04/16/10	04/16/10 21:52	100415B02

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	740	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	111	38-134	

Method Blank	099-12-247-4,104	N/A	Aqueous	GC 18	04/15/10	04/16/10 06:50	100415B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-4	10-04-1149-1-A	04/15/10 07:00	Aqueous	GC/MS XX	04/20/10	04/20/10 14:56	100420L01


Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	126	80-132	
Toluene-d8	99	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	127	80-141	
1,4-Bromofluorobenzene	87	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 8


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-3	10-04-1149-2-B	04/15/10 07:54	Aqueous	GC/MS JJ	04/20/10	04/20/10 17:46	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	18	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	112	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-3	10-04-1149-3-B	04/15/10 08:48	Aqueous	GC/MS XX	04/20/10	04/20/10 19:13	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	2.2	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	0.90	1.0	0.23	1	J
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	0.30	1.0	0.20	1	J	n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.74	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	129	80-132		1,2-Dichloroethane-d4	133	80-141	
Toluene-d8	107	80-120		1,4-Bromofluorobenzene	103	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 4 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	10-04-1149-10-E	04/15/10 14:55	Aqueous	GC/MS VV	04/22/10	04/22/10 19:37	100422L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	380	2.5	1.4	5		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	1.7	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	29	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	1.5	1.0	0.28	1		Naphthalene	7.3	10	2.5	1	J
sec-Butylbenzene	3.5	1.0	0.20	1		n-Propylbenzene	24	1.0	0.79	1	
tert-Butylbenzene	0.48	1.0	0.28	1	J	Styrene	ND	1.0	0.30	1	
Carbon Disulfide	5.6	10	1.9	1	J	1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	3.7	10	3.5	1	J
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-132	
Toluene-d8	97	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	175	80-141	
1,4-Bromofluorobenzene	95	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-484	N/A	Aqueous	GC/MS XX	04/20/10	04/20/10 14:28	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	124	80-132		1,2-Dichloroethane-d4	124	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	88	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 6 of 8

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-491	N/A	Aqueous	GC/MS JJ	04/20/10	04/20/10 14:08	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-132	
Toluene-d8	103	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	113	80-141	
1,4-Bromofluorobenzene	99	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-508	N/A	Aqueous	GC/MS VV	04/21/10	04/21/10 16:16	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	107	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	95	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-520	N/A	Aqueous	GC/MS VV	04/22/10	04/22/10 15:15	100422L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	107	80-141	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	91	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-15	10-04-1149-4-B	04/15/10 09:41	Aqueous	GC/MS XX	04/20/10	04/20/10 15:23	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.


Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	5.7	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	128	80-132				1,2-Dichloroethane-d4	131	80-141			
Toluene-d8	100	80-120				1,4-Bromofluorobenzene	88	76-120			

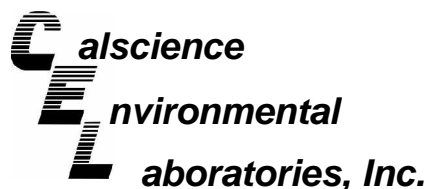
GMW-12	10-04-1149-5-B	04/15/10 10:46	Aqueous	GC/MS XX	04/20/10	04/20/10 19:41	100420L01
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	123	80-132				1,2-Dichloroethane-d4	129	80-141			
Toluene-d8	101	80-120				1,4-Bromofluorobenzene	98	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-12dup	10-04-1149-6-B	04/15/10 00:00	Aqueous	GC/MS XX	04/20/10	04/20/10 20:09	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	4.4	10	3.5	1	J
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	120	80-132				1,2-Dichloroethane-d4	123	80-141			
Toluene-d8	99	80-120				1,4-Bromofluorobenzene	91	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-16	10-04-1149-7-B	04/15/10 11:40	Aqueous	GC/MS XX	04/20/10	04/20/10 20:36	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	10	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	8.2	10	3.5	1	J
Ethylbenzene	0.38	0.50	0.22	1	J	Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	0.42	2.0	0.28	1	J
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	3.5	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	120	80-132				1,2-Dichloroethane-d4	128	80-141			
Toluene-d8	106	80-120				1,4-Bromofluorobenzene	99	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-44	10-04-1149-8-B	04/15/10 12:40	Aqueous	GC/MS XX	04/20/10	04/20/10 21:04	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	118	80-132				1,2-Dichloroethane-d4	122	80-141			
Toluene-d8	100	80-120				1,4-Bromofluorobenzene	92	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-43	10-04-1149-9-B	04/15/10 13:28	Aqueous	GC/MS XX	04/20/10	04/20/10 21:31	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	119	80-132				1,2-Dichloroethane-d4	124	80-141			
Toluene-d8	99	80-120				1,4-Bromofluorobenzene	89	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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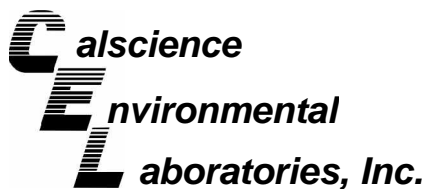
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-484	N/A	Aqueous	GC/MS XX	04/20/10	04/20/10 14:28	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	124	80-132				1,2-Dichloroethane-d4	124	80-141			
Toluene-d8	99	80-120				1,4-Bromofluorobenzene	88	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 04/15/10
 Work Order No: 10-04-1149
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1005-1	Aqueous	GC 18	04/15/10	04/16/10	100415S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	94	68-122	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1244-1	Aqueous	GC/MS JJ	04/20/10	04/20/10	100420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	111	111	72-120	0	0-20	
Carbon Tetrachloride	121	118	63-135	3	0-20	
Chlorobenzene	107	107	80-120	1	0-20	
1,2-Dibromoethane	107	109	80-120	2	0-20	
1,2-Dichlorobenzene	102	101	80-120	1	0-20	
1,1-Dichloroethene	113	111	60-132	2	0-24	
Ethylbenzene	109	109	78-120	0	0-20	
Toluene	111	113	74-122	2	0-20	
Trichloroethene	113	114	69-120	0	0-20	
Vinyl Chloride	107	102	58-130	5	0-20	
Methyl-t-Butyl Ether (MTBE)	108	110	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	105	104	72-126	0	0-20	
Diisopropyl Ether (DIPE)	118	116	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	110	108	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	109	76-124	2	0-20	
Ethanol	101	111	35-167	10	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-15	Aqueous	GC/MS XX	04/20/10	04/20/10	100420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	111	108	72-120	3	0-20	
Carbon Tetrachloride	119	118	63-135	1	0-20	
Chlorobenzene	106	104	80-120	2	0-20	
1,2-Dibromoethane	108	108	80-120	0	0-20	
1,2-Dichlorobenzene	100	100	80-120	1	0-20	
1,1-Dichloroethene	103	103	60-132	0	0-24	
Ethylbenzene	110	107	78-120	4	0-20	
Toluene	111	105	74-122	5	0-20	
Trichloroethene	108	105	69-120	3	0-20	
Vinyl Chloride	115	112	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	100	106	72-126	5	0-21	
Tert-Butyl Alcohol (TBA)	97	99	72-126	2	0-20	
Diisopropyl Ether (DIPE)	110	112	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	101	106	74-128	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	107	107	76-124	0	0-20	
Ethanol	83	78	35-167	6	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

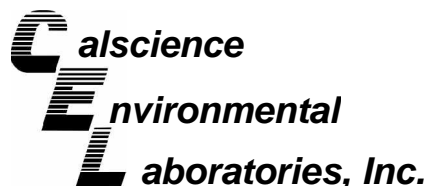
Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1279-1	Aqueous	GC/MS VV	04/21/10	04/21/10	100421S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	103	72-120	0	0-20	
Carbon Tetrachloride	106	108	63-135	2	0-20	
Chlorobenzene	101	102	80-120	0	0-20	
1,2-Dibromoethane	101	103	80-120	2	0-20	
1,2-Dichlorobenzene	102	101	80-120	1	0-20	
1,1-Dichloroethene	109	118	60-132	8	0-24	
Ethylbenzene	105	104	78-120	1	0-20	
Toluene	104	102	74-122	2	0-20	
Trichloroethene	102	100	69-120	2	0-20	
Vinyl Chloride	111	114	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	98	105	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	106	104	72-126	3	0-20	
Diisopropyl Ether (DIPE)	117	119	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	99	102	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	103	76-124	0	0-20	
Ethanol	68	64	35-167	5	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

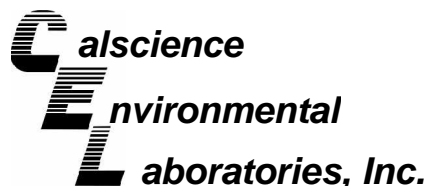
Date Received: 04/15/10
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1546-5	Aqueous	GC/MS VV	04/22/10	04/22/10	100422S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	62	72-120	45	0-20	4,3
Carbon Tetrachloride	103	105	63-135	2	0-20	
Chlorobenzene	97	100	80-120	3	0-20	
1,2-Dibromoethane	98	101	80-120	3	0-20	
1,2-Dichlorobenzene	100	104	80-120	4	0-20	
1,1-Dichloroethene	101	140	60-132	32	0-24	4,3
Ethylbenzene	104	107	78-120	3	0-20	
Toluene	99	121	74-122	20	0-20	
Trichloroethene	94	112	69-120	17	0-20	
Vinyl Chloride	95	126	58-130	28	0-20	4
Methyl-t-Butyl Ether (MTBE)	97	85	72-126	14	0-21	
Tert-Butyl Alcohol (TBA)	111	68	72-126	27	0-20	4,3
Diisopropyl Ether (DIPE)	107	85	71-137	22	0-23	
Ethyl-t-Butyl Ether (ETBE)	103	103	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	67	76-124	33	0-20	4,3
Ethanol	128	134	35-167	5	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

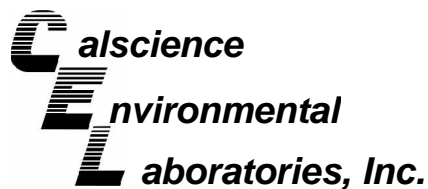
Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-61	Aqueous	GC 27	04/15/10	04/17/10	100415B11

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	105	110	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

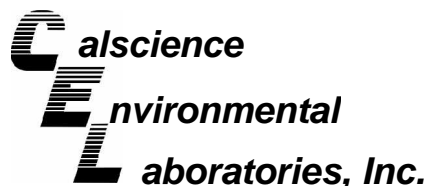
Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,104	Aqueous	GC 18	04/15/10	04/16/10	100415B02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	91	94	78-120	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-491	Aqueous	GC/MS JJ	04/20/10	04/20/10	100420L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	108	80-122	73-129	0	0-20	
Carbon Tetrachloride	118	114	68-140	56-152	4	0-20	
Chlorobenzene	105	103	80-120	73-127	2	0-20	
1,2-Dibromoethane	106	107	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	101	101	80-120	73-127	0	0-20	
1,1-Dichloroethene	111	108	72-132	62-142	3	0-25	
Ethylbenzene	108	106	80-126	72-134	2	0-20	
Toluene	109	110	80-121	73-128	0	0-20	
Trichloroethene	112	110	80-123	73-130	1	0-20	
Vinyl Chloride	107	105	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	110	109	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	103	106	75-123	67-131	3	0-20	
Diisopropyl Ether (DIPE)	118	116	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	111	109	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	108	108	80-123	73-130	0	0-20	
Ethanol	106	92	61-139	48-152	15	0-27	

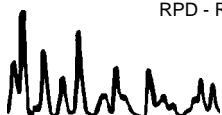
Total number of LCS compounds : 16

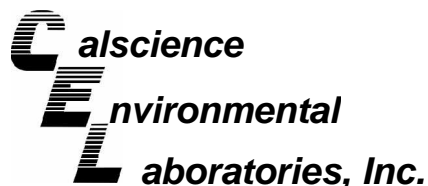
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-484	Aqueous	GC/MS XX	04/20/10	04/20/10	100420L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	106	116	80-122	73-129	9	0-20	
Carbon Tetrachloride	116	132	68-140	56-152	13	0-20	
Chlorobenzene	104	112	80-120	73-127	8	0-20	
1,2-Dibromoethane	105	113	80-121	73-128	7	0-20	
1,2-Dichlorobenzene	101	107	80-120	73-127	6	0-20	
1,1-Dichloroethene	94	109	72-132	62-142	15	0-25	
Ethylbenzene	109	119	80-126	72-134	9	0-20	
Toluene	106	115	80-121	73-128	8	0-20	
Trichloroethene	105	117	80-123	73-130	11	0-20	
Vinyl Chloride	110	121	67-133	56-144	9	0-20	
Methyl-t-Butyl Ether (MTBE)	100	107	75-123	67-131	6	0-20	
Tert-Butyl Alcohol (TBA)	98	103	75-123	67-131	5	0-20	
Diisopropyl Ether (DIPE)	105	113	71-131	61-141	8	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	107	76-124	68-132	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	108	80-123	73-130	5	0-20	
Ethanol	81	75	61-139	48-152	8	0-27	

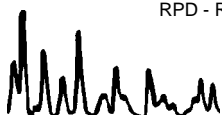
Total number of LCS compounds : 16

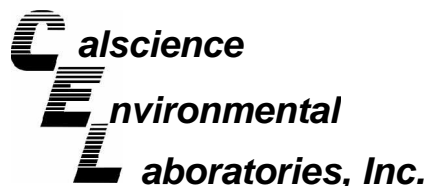
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-508	Aqueous	GC/MS VV	04/21/10	04/21/10	100421L01		
<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	91	100	80-122	73-129	10	0-20	
Carbon Tetrachloride	94	100	68-140	56-152	6	0-20	
Chlorobenzene	89	98	80-120	73-127	10	0-20	
1,2-Dibromoethane	93	103	80-121	73-128	9	0-20	
1,2-Dichlorobenzene	88	98	80-120	73-127	11	0-20	
1,1-Dichloroethene	100	102	72-132	62-142	2	0-25	
Ethylbenzene	95	103	80-126	72-134	8	0-20	
Toluene	92	101	80-121	73-128	9	0-20	
Trichloroethene	93	101	80-123	73-130	8	0-20	
Vinyl Chloride	92	101	67-133	56-144	9	0-20	
Methyl-t-Butyl Ether (MTBE)	101	112	75-123	67-131	9	0-20	
Tert-Butyl Alcohol (TBA)	95	99	75-123	67-131	4	0-20	
Diisopropyl Ether (DIPE)	105	106	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	91	102	76-124	68-132	11	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	104	80-123	73-130	10	0-20	
Ethanol	74	82	61-139	48-152	9	0-27	

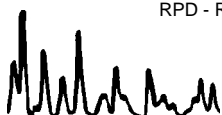
Total number of LCS compounds : 16

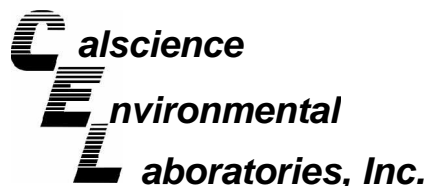
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1149
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-520	Aqueous	GC/MS VV	04/22/10	04/22/10	100422L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	98	99	80-122	73-129	1	0-20	
Carbon Tetrachloride	100	101	68-140	56-152	0	0-20	
Chlorobenzene	96	98	80-120	73-127	2	0-20	
1,2-Dibromoethane	99	100	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	100	102	80-120	73-127	1	0-20	
1,1-Dichloroethene	101	102	72-132	62-142	1	0-25	
Ethylbenzene	103	103	80-126	72-134	0	0-20	
Toluene	99	99	80-121	73-128	0	0-20	
Trichloroethene	96	94	80-123	73-130	2	0-20	
Vinyl Chloride	99	97	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	107	87	75-123	67-131	20	0-20	
Tert-Butyl Alcohol (TBA)	107	105	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	99	119	71-131	61-141	18	0-20	
Ethyl-t-Butyl Ether (ETBE)	109	111	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	101	80-123	73-130	3	0-20	
Ethanol	90	117	61-139	48-152	26	0-27	

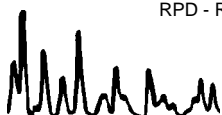
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

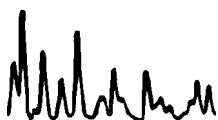
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-04-1149

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/15/10
Page 1 of 1

LABORATORY CLIENT: Parsons		CLIENT PROJECT NAME / NUMBER: DFSP Norwalk GWM		P.O. NO.:	
ADDRESS: 100 W Walnut St.		PROJECT CONTACT: Mary Lucas		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
CITY: Pasadena	STATE: CA	ZIP: 91124	SAMPLER(S) (PRINT): M. Houser (Blaine Tech)		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TEL: 626-440-6032	E-MAIL: Mary.lucas@parsons.com		COOLER RECEIPT		TEMP = _____ °C

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

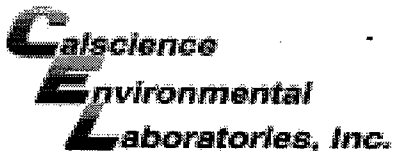
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES	
<input checked="" type="checkbox"/>	TPH (g) (8015)
<input checked="" type="checkbox"/>	TPH (g) or (CG-C38) or (CG-C44) or (CG-C44) TPH
<input checked="" type="checkbox"/>	TPH (As-PS by 8015)
<input checked="" type="checkbox"/>	BTEX / MTBE (8260B) or (TO-15)
<input checked="" type="checkbox"/>	VOCs (8260B) or (TO-15)
<input type="checkbox"/>	Oxygenates (8260B)
<input type="checkbox"/>	Encore Prep (5035)
<input type="checkbox"/>	SVOCs (8270C)
<input type="checkbox"/>	Pesticides (8081A)
<input type="checkbox"/>	PCBs (8082)
<input type="checkbox"/>	PNAs (8310) or (8270C)
<input type="checkbox"/>	T22 Metals (6010B/747X)
<input type="checkbox"/>	Cr(VI) [7196A or 7199 or 218.6]
<input type="checkbox"/>	VOCs (TO-14A) or (TO-15)
<input type="checkbox"/>	TPH (g) [TO-3]+

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) (8015)	TPH (g) or (CG-C38) or (CG-C44) or (CG-C44) TPH	TPH (As-PS by 8015)	BTEX / MTBE (8260B) or (TO-15)	VOCs (8260B) or (TO-15)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
1	TB-3		4/15/10	0720	W	2				X												
2	GW-3			0734	W	5			X	X												
3	PZ-3			0848	W	5			X	X												
4	Gmw-15			0941	W	5			X	X												
5	Gmw-12			1046	W	5			X	X												
6	Gmw-12dup			-	W	5			X	X												
7	TF-16			1140	W	5			X	X												
8	Gmw-44			1240	W	5			X	X												
9	Gmw-43			1328	W	5			X	X												
10	Gmw-61		4/15/10	1455	W	8	X	X	X													

Relinquished by: (Signature) 	Received by: (Signature/Affiliation) CEL	Date: 4/15/10	Time: 15:50
Relinquished by: (Signature) 	Received by: (Signature/Affiliation) M. Houser	Date: 4/15/10	Time: 16:20
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 10-04-1149

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSON, INC

DATE: 04/15/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)
Temperature 2.3°C + 0.5°C (CF) = 3.8°C
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [] Air [] Filter [] Metals Only [] PCBs Only
Initial: DR

CUSTODY SEALS INTACT:
[] Cooler [] _____ [] No (Not Intact) [] Not Present [] N/A
[] Sample [] _____ [] No (Not Intact) [] Not Present
Initial: DR

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [] Yes [] No [] N/A
COC document(s) received complete..... [] Yes [] No [] N/A
[] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[] No analysis requested. [] Not relinquished. [] No date/time relinquished.
Sampler's name indicated on COC..... [] Yes [] No [] N/A
Sample container label(s) consistent with COC..... [] Yes [] No [] N/A
Sample container(s) intact and good condition..... [] Yes [] No [] N/A
Proper containers and sufficient volume for analyses requested..... [] Yes [] No [] N/A
Analyses received within holding time..... [] Yes [] No [] N/A
Proper preservation noted on COC or sample container..... [] Yes [] No [] N/A
[] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [] Yes [] No [] N/A
Tedlar bag(s) free of condensation..... [] Yes [] No [] N/A

CONTAINER TYPE:
Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [] VOA²h [] VOAn₂ [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna₂ [] 1AGBs
[] 500AGB [] 500AGJ [] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [] 1PB [] 500PB [] 500PBna
[] 250PB [] 250PBn [] 125PB [] 125PBz₂na [] 100PJ [] 100PJna₂ [] _____ [] _____ [] _____
Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: 100330C Labeled/Checked by: DR
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: YL
Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z₂na: ZnAc₂+NaOH f: Field-filtered Scanned by: YL

1149

Ranjit Clarke

From: Alex Stack [alexstack@blainetech.com]
Sent: Friday, April 16, 2010 2:29 PM
To: Ranjit Clarke
Cc: Bart Gebbie
Subject: Norwalk/EI Toro
Attachments: doc20100416132633.pdf

Attached is the revised COC, updated the TB-3 to TB-4.

Thank you for your assistance.

Alex Stack
Project Manager
Blaine Tech Services, Inc.
20735 Belshaw Avenue
Carson, CA 90746
(310) 885-4455 x 111 office
(310) 629-0240cell
(310) 637-5802 fax
www.blainetech.com



Calscience Environmental Laboratories, Inc.

SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/15/10

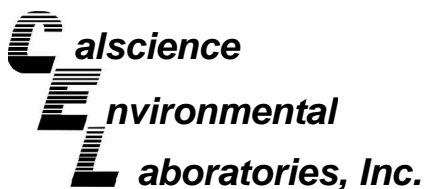
Page 1 of 1

LABORATORY CLIENT: Parsons				CLIENT PROJECT NAME / NUMBER: DFSP Norwalk GWM				P.O. NO.:																															
ADDRESS: 100 W Walnut St.				PROJECT CONTACT: Maria Lucas				LAB USE ONLY <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																															
CITY: Pasadena		STATE: CA		ZIP: 91124		SAMPLER(S) (PRINT): M. Houser (Blank Tech)		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																															
TEL: 626-440-6032		E-MAIL: Maria.Lucas@parsons.com		TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD		COOLER RECEIPT TEMP: _____ °C																																	
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>				REQUESTED ANALYSES <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">TPH (g) (8015)</td> <td style="width:5%;">TPH (g) or (CB, CB2) or (CB, CA) (8015)</td> <td style="width:5%;">TPH (As PS by 8015)</td> <td style="width:5%;">BTEX / MTBE (8260B) or (8015)</td> <td style="width:5%;">VOCs (8260B) + DMY</td> <td style="width:5%;">Oxygenates (8260B)</td> <td style="width:5%;">Encore Prep (8035)</td> <td style="width:5%;">SVOCs (8270C)</td> <td style="width:5%;">Pesticides (8081A)</td> <td style="width:5%;">PCBs (8082)</td> <td style="width:5%;">PNAs (8310) or (8270C)</td> <td style="width:5%;">T22 Metals (6010B/747X)</td> <td style="width:5%;">Cr(VI) (7196A or 7199 or 218.6)</td> <td style="width:5%;">VOCs (TO-14A) or (TO-15)</td> <td style="width:5%;">TPH (g) (TO-3)*</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						TPH (g) (8015)	TPH (g) or (CB, CB2) or (CB, CA) (8015)	TPH (As PS by 8015)	BTEX / MTBE (8260B) or (8015)	VOCs (8260B) + DMY	Oxygenates (8260B)	Encore Prep (8035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) (7196A or 7199 or 218.6)	VOCs (TO-14A) or (TO-15)	TPH (g) (TO-3)*															
TPH (g) (8015)	TPH (g) or (CB, CB2) or (CB, CA) (8015)	TPH (As PS by 8015)	BTEX / MTBE (8260B) or (8015)							VOCs (8260B) + DMY	Oxygenates (8260B)	Encore Prep (8035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) (7196A or 7199 or 218.6)	VOCs (TO-14A) or (TO-15)	TPH (g) (TO-3)*																			
SPECIAL INSTRUCTIONS:																																							
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.																																	
			DATE	TIME																																			
1	TB-4 43-3 ^{47 7-16-10}		4/15/10	0720	W	6																																	
2	GW-3			0734	W	5		X	X																														
3	PZ-3			0848	W	5		X	X																														
4	GMLW-15			0941	W	5		X	X																														
5	GMLW-12			1046	W	5		X	X																														
6	GMLW-12dup			-	W	5		X	X																														
7	TF-16			1140	W	5		X	X																														
8	GMLW-44			1240	W	5		X	X																														
9	GMLW-43			1328	W	5		X	X																														
10	GMLW-61		4/15/10	1455	W	8	X	X	X																														
Relinquished by: (Signature) <i>M. Houser</i>				Received by: (Signature/Affiliation) <i>CEL</i>				Date: 4/15/10		Time: 15:50																													
Relinquished by: (Signature) <i>[Signature]</i>				Received by: (Signature/Affiliation) <i>MPak</i>				Date: 4/15/10		Time: 16:20																													
Relinquished by: (Signature)				Received by: (Signature/Affiliation)				Date:		Time:																													

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision

O&G Graphic 714-998-9702



April 26, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-1292**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/16/2010 and analyzed in accordance with the attached chain-of-custody.

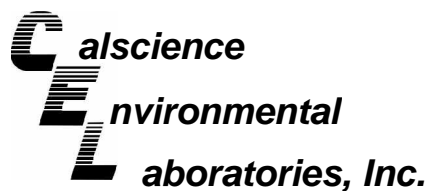
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-14	10-04-1292-2-D	04/16/10 10:28	Aqueous	GC 27	04/20/10	04/21/10 21:11	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1500	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	82	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-19	10-04-1292-3-D	04/16/10 09:23	Aqueous	GC 27	04/20/10	04/21/10 21:29	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	300	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	74	68-140			

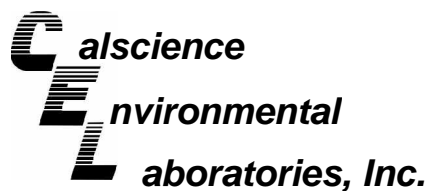
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-18	10-04-1292-4-D	04/16/10 08:16	Aqueous	GC 27	04/20/10	04/21/10 21:47	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	7200	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	75	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-35	10-04-1292-5-D	04/16/10 11:16	Aqueous	GC 27	04/20/10	04/21/10 22:05	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1900	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	96	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-21	10-04-1292-6-D	04/16/10 11:58	Aqueous	GC 27	04/20/10	04/21/10 22:24	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	1100	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	88	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	10-04-1292-7-D	04/16/10 12:44	Aqueous	GC 27	04/20/10	04/21/10 22:42	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	82	68-140			

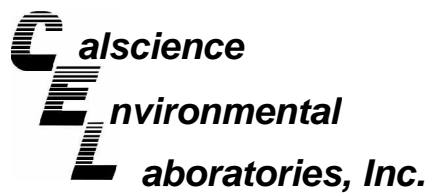
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-32	10-04-1292-8-D	04/16/10 13:31	Aqueous	GC 27	04/20/10	04/21/10 23:00	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	230	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	83	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17	10-04-1292-9-D	04/16/10 14:25	Aqueous	GC 27	04/20/10	04/21/10 23:19	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	79	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 3510C
Method: EPA 8015B (M)

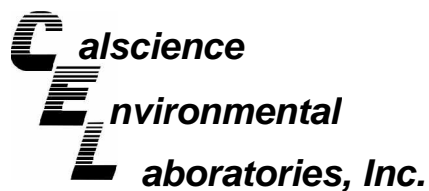
Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-366-62	N/A	Aqueous	GC 27	04/20/10	04/22/10 15:53	100420B16

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	78	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-18	10-04-1292-4-E	04/16/10 08:16	Aqueous	GC 42	04/19/10	04/19/10 21:14	100419B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1500	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	107	38-134	

Method Blank	099-12-247-4,106	N/A	Aqueous	GC 42	04/19/10	04/19/10 12:42	100419B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 5


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-5	10-04-1292-1-A	04/16/10 07:00	Aqueous	GC/MS S	04/19/10	04/20/10 06:12	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	101	80-132		1,2-Dichloroethane-d4	98	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	88	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-14	10-04-1292-2-A	04/16/10 10:28	Aqueous	GC/MS S	04/19/10	04/20/10 06:42	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	160	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	2.6	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	21	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	0.87	1.0	0.28	1	J	Naphthalene	16	10	2.5	1	
sec-Butylbenzene	2.8	1.0	0.20	1		n-Propylbenzene	17	1.0	0.79	1	
tert-Butylbenzene	0.79	1.0	0.28	1	J	Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	0.46	1.0	0.30	1	J
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	1.3	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	0.83	1.0	0.23	1	J
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	0.44	1.0	0.37	1	J	p/m-Xylene	2.5	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	0.45	0.50	0.24	1	J
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	13	0.50	0.30	1	
c-1,2-Dichloroethene	0.78	1.0	0.49	1	J	Tert-Butyl Alcohol (TBA)	15	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	0.79	2.0	0.28	1	J
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							


Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 93 80-132
Toluene-d8 101 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 90 80-141
1,4-Bromofluorobenzene 92 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	10-04-1292-7-A	04/16/10 12:44	Aqueous	GC/MS S	04/19/10	04/20/10 08:44	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	80-132	
Toluene-d8	97	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	95	80-141	
1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17	10-04-1292-9-A	04/16/10 14:25	Aqueous	GC/MS S	04/19/10	04/20/10 09:46	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 102 80-132
Toluene-d8 98 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 98 80-141
1,4-Bromofluorobenzene 86 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-490	N/A	Aqueous	GC/MS S	04/19/10	04/20/10 03:39	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 102 80-132
Toluene-d8 97 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 101 80-141
1,4-Bromofluorobenzene 90 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-19	10-04-1292-3-A	04/16/10 09:23	Aqueous	GC/MS S	04/19/10	04/20/10 04:09	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.


Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	130	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	12	10	3.5	1	
Ethylbenzene	0.66	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	0.52	2.0	0.28	1	J
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	21	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	103	80-132				1,2-Dichloroethane-d4	100	80-141			
Toluene-d8	99	80-120				1,4-Bromofluorobenzene	95	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-18	10-04-1292-4-A	04/16/10 08:16	Aqueous	GC/MS S	04/19/10	04/20/10 07:13	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	80	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	43	10	3.5	1	
Ethylbenzene	0.49	0.50	0.22	1	J	Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	0.84	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	1.2	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	0.37	0.50	0.24	1	J	Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	7.3	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	95	80-132				1,2-Dichloroethane-d4	90	80-141			
Toluene-d8	98	80-120				1,4-Bromofluorobenzene	93	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-35	10-04-1292-5-A	04/16/10 11:16	Aqueous	GC/MS S	04/19/10	04/20/10 07:44	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	180	1.0	0.57	2		Tert-Butyl Alcohol (TBA)	2200	50	18	5	
Ethylbenzene	1.5	1.0	0.44	2		Diisopropyl Ether (DIPE)	ND	4.0	0.62	2	
Toluene	0.88	1.0	0.65	2	J	Ethyl-t-Butyl Ether (ETBE)	ND	4.0	0.53	2	
p/m-Xylene	ND	1.0	0.91	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	0.57	2	
o-Xylene	0.70	1.0	0.47	2	J	Ethanol	ND	200	100	2	
Methyl-t-Butyl Ether (MTBE)	13	1.0	0.61	2							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	97	80-132				1,2-Dichloroethane-d4	93	80-141			
Toluene-d8	98	80-120				1,4-Bromofluorobenzene	94	76-120			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TF-21	10-04-1292-6-A	04/16/10 11:58	Aqueous	GC/MS S	04/19/10	04/20/10 08:14	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	120	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	15	10	3.5	1	
Ethylbenzene	1.1	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	0.37	0.50	0.33	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	0.79	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	0.37	0.50	0.24	1	J	Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	95	80-132				1,2-Dichloroethane-d4	92	80-141			
Toluene-d8	98	80-120				1,4-Bromofluorobenzene	96	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-32	10-04-1292-8-A	04/16/10 13:31	Aqueous	GC/MS S	04/19/10	04/20/10 09:15	100419L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.


Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	0.41	0.50	0.22	1	J	Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	102	80-132				1,2-Dichloroethane-d4	97	80-141			
Toluene-d8	97	80-120				1,4-Bromofluorobenzene	91	76-120			

Method Blank	099-14-001-490	N/A	Aqueous	GC/MS S	04/19/10	04/20/10 03:39	100419L02
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	102	80-132				1,2-Dichloroethane-d4	101	80-141			
Toluene-d8	97	80-120				1,4-Bromofluorobenzene	90	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-499	N/A	Aqueous	GC/MS S	04/20/10	04/20/10 14:24	100420L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.28	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
Ethylbenzene	ND	0.50	0.22	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
Toluene	ND	0.50	0.33	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
p/m-Xylene	ND	0.50	0.45	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
o-Xylene	ND	0.50	0.24	1		Ethanol	ND	100	50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1							
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>			<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control I</u>	<u>Qual</u>		
Dibromofluoromethane	102	80-132				1,2-Dichloroethane-d4	98	80-141			
Toluene-d8	97	80-120				1,4-Bromofluorobenzene	89	76-120			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1268-1	Aqueous	GC 42	04/19/10	04/19/10	100419S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	91	91	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

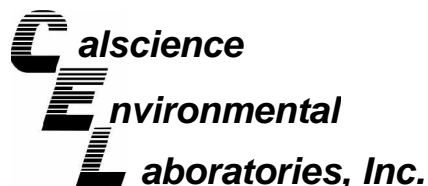
Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-19	Aqueous	GC/MS S	04/19/10	04/20/10	100419S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	55	78	72-120	7	0-20	3
Carbon Tetrachloride	93	112	63-135	18	0-20	
Chlorobenzene	93	109	80-120	16	0-20	
1,2-Dibromoethane	96	106	80-120	10	0-20	
1,2-Dichlorobenzene	89	103	80-120	15	0-20	
1,1-Dichloroethene	73	90	60-132	20	0-24	
Ethylbenzene	98	116	78-120	16	0-20	
Toluene	85	101	74-122	17	0-20	
Trichloroethene	80	98	69-120	20	0-20	
Vinyl Chloride	90	97	58-130	8	0-20	
Methyl-t-Butyl Ether (MTBE)	65	80	72-126	14	0-21	3
Tert-Butyl Alcohol (TBA)	75	98	72-126	25	0-20	4
Diisopropyl Ether (DIPE)	76	87	71-137	15	0-23	
Ethyl-t-Butyl Ether (ETBE)	71	83	74-128	15	0-20	3
Tert-Amyl-Methyl Ether (TAME)	82	96	76-124	15	0-20	
Ethanol	86	90	35-167	4	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

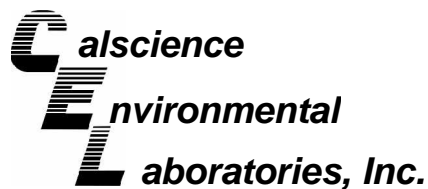
Date Received: 04/16/10
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1311-2	Aqueous	GC/MS S	04/20/10	04/20/10	100420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	103	72-120	1	0-20	
Carbon Tetrachloride	112	115	63-135	3	0-20	
Chlorobenzene	114	114	80-120	1	0-20	
1,2-Dibromoethane	112	113	80-120	0	0-20	
1,2-Dichlorobenzene	108	105	80-120	3	0-20	
1,1-Dichloroethene	87	90	60-132	3	0-24	
Ethylbenzene	120	119	78-120	1	0-20	
Toluene	102	103	74-122	1	0-20	
Trichloroethene	101	101	69-120	0	0-20	
Vinyl Chloride	94	86	58-130	9	0-20	
Methyl-t-Butyl Ether (MTBE)	83	86	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	94	94	72-126	0	0-20	
Diisopropyl Ether (DIPE)	91	90	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	85	85	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	98	76-124	2	0-20	
Ethanol	102	85	35-167	18	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

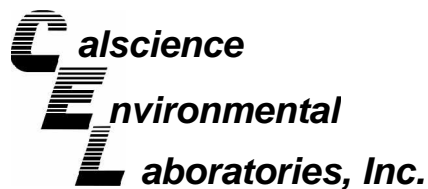
Date Received: N/A
Work Order No: 10-04-1292
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-62	Aqueous	GC 27	04/20/10	04/21/10	100420B16

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	103	112	75-117	9	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

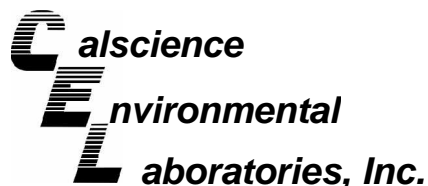
Date Received: N/A
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,106	Aqueous	GC 42	04/19/10	04/19/10	100419B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	91	90	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-490	Aqueous	GC/MS S	04/19/10	04/20/10	100419L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	100	80-122	73-129	4	0-20	
Carbon Tetrachloride	104	106	68-140	56-152	2	0-20	
Chlorobenzene	103	107	80-120	73-127	4	0-20	
1,2-Dibromoethane	106	109	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	97	100	80-120	73-127	3	0-20	
1,1-Dichloroethene	80	81	72-132	62-142	1	0-25	
Ethylbenzene	109	113	80-126	72-134	4	0-20	
Toluene	96	98	80-121	73-128	2	0-20	
Trichloroethene	94	95	80-123	73-130	1	0-20	
Vinyl Chloride	97	94	67-133	56-144	3	0-20	
Methyl-t-Butyl Ether (MTBE)	79	80	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	92	93	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	84	83	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	79	81	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	94	80-123	73-130	1	0-20	
Ethanol	88	104	61-139	48-152	17	0-27	

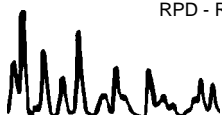
Total number of LCS compounds : 16

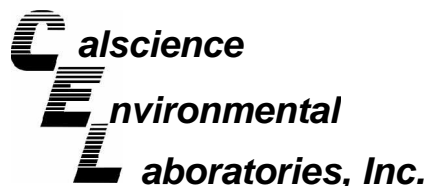
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1292
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-499	Aqueous	GC/MS S	04/20/10	04/20/10	100420L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	100	80-122	73-129	1	0-20	
Carbon Tetrachloride	109	110	68-140	56-152	1	0-20	
Chlorobenzene	110	109	80-120	73-127	1	0-20	
1,2-Dibromoethane	110	109	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	102	102	80-120	73-127	0	0-20	
1,1-Dichloroethene	83	85	72-132	62-142	3	0-25	
Ethylbenzene	116	115	80-126	72-134	1	0-20	
Toluene	97	99	80-121	73-128	2	0-20	
Trichloroethene	95	96	80-123	73-130	1	0-20	
Vinyl Chloride	94	95	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	80	84	75-123	67-131	4	0-20	
Tert-Butyl Alcohol (TBA)	94	97	75-123	67-131	3	0-20	
Diisopropyl Ether (DIPE)	87	89	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	81	85	76-124	68-132	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	93	93	80-123	73-130	1	0-20	
Ethanol	111	105	61-139	48-152	6	0-27	

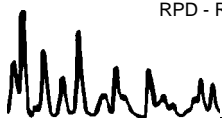
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-04-1292

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/16/10
 Page 1 of 1

LABORATORY CLIENT: <u>Parsons</u> ADDRESS: <u>100 W. Walnut St.</u> CITY: <u>Pasadena</u> STATE: <u>CA</u> ZIP: <u>91124</u> TEL: <u>626-440-6032</u> E-MAIL: <u>Mary.Lucas@parsons.com</u> TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/> _____ SPECIAL INSTRUCTIONS:	CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk GWM</u> PROJECT CONTACT: <u>Mary Lucas</u> SAMPLER(S): (PRINT) <u>M. House (Blair) Tech</u> COELT LOG CODE: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> P.O. NO.: LAB USE ONLY: <u>04-1292</u> COOLER RECEIPT: TEMP= _____ °C
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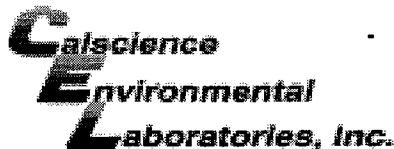
REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (g) or (C6-C36) or (C6-C44)	TPH (g) (SIS) (SIS)	BTEX / MTBE (8260B) or (4-D-X)	VOCs (8260B) + 6Xy	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7198A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
1	TR-5		4/16/10	0700	w	2				X												
2	Gw-14			1028	w	5				X	X											
3	Gmw-19			0923	w	5				X	X											
4	Gmw-18			0816	w	8	X			X	X											
5	Gmw-35			1116	w	5				X	X											
6	TF-21			1158	w	5				X	X											
7	Mw-16			1244	w	5				X		X										
8	Gmw-32			1331	w	5				X	X											
9	Mw-17		4/16/10	1425	w	5				X		X										

Relinquished by: (Signature) <u>M. House</u>	Received by: (Signature/Affiliation) <u>Cesar Aguiar</u>	Date: <u>4/16/10</u>	Time: <u>1600</u>
Relinquished by: (Signature) <u>Cesar Aguiar</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>4/16/10</u>	Time: <u>1710</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
 Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/01/07 Revision



WORK ORDER #: 10-04-1292

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Parson, Inc

DATE: 04/16/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.2 °C + 0.5 °C (CF) = 1.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: CA

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: CA

Sample _____ No (Not Intact) Not Present Initial: CA

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

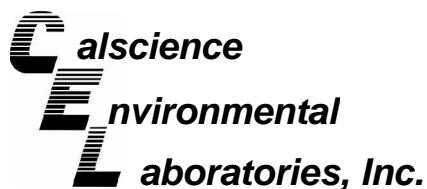
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBzanna 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** YL

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YL

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ zanna: ZnAc₂+NaOH f: Field-filtered **Scanned by:** YL



April 26, 2010

Mary Lucas
Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Subject: **Calscience Work Order No.: 10-04-1376**
Client Reference: DFSP NORWALK GWM

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/19/2010 and analyzed in accordance with the attached chain-of-custody.

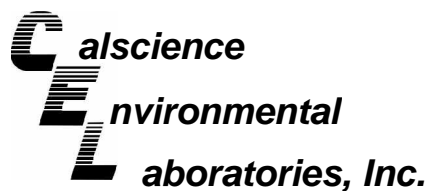
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. F. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-58	10-04-1376-2-D	04/19/10 07:48	Aqueous	GC 27	04/20/10	04/21/10 23:56	100420B16

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	300	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	82	68-140			

GMW-58 dup	10-04-1376-3-D	04/19/10 00:00	Aqueous	GC 27	04/20/10	04/22/10 00:14	100420B16
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	210	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	84	68-140			

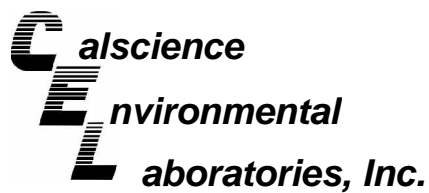
GMW-59	10-04-1376-4-G	04/19/10 08:32	Aqueous	GC 27	04/20/10	04/22/10 00:32	100420B16
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	1700	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	75	68-140			

GMW-59 dup	10-04-1376-5-G	04/19/10 00:00	Aqueous	GC 27	04/20/10	04/22/10 00:51	100420B16
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	2600	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	83	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-16	10-04-1376-6-D	04/19/10 10:22	Aqueous	GC 27	04/20/10	04/22/10 01:09	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	75	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-66	10-04-1376-7-D	04/19/10 11:18	Aqueous	GC 27	04/20/10	04/22/10 01:27	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	94	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-47	10-04-1376-8-D	04/19/10 12:21	Aqueous	GC 27	04/20/10	04/22/10 01:45	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	930	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	84	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13	10-04-1376-9-D	04/19/10 14:01	Aqueous	GC 27	04/20/10	04/22/10 15:34	100420B16

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	86	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-366-62	N/A	Aqueous	GC 27	04/20/10	04/22/10 15:53	100420B16

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	78	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59	10-04-1376-4-E	04/19/10 08:32	Aqueous	GC 42	04/20/10	04/20/10 18:07	100420B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2900	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	181	38-134	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59 dup	10-04-1376-5-E	04/19/10 00:00	Aqueous	GC 42	04/20/10	04/20/10 18:44	100420B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	3000	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	174	38-134	2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-247-4,115	N/A	Aqueous	GC 42	04/20/10	04/20/10 12:38	100420B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 1 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TB-6	10-04-1376-1-B	04/19/10 07:00	Aqueous	GC/MS LL	04/21/10	04/21/10 22:45	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	80-132	
Toluene-d8	99	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	111	80-141	
1,4-Bromofluorobenzene	85	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 2 of 10

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-58	10-04-1376-2-B	04/19/10 07:48	Aqueous	GC/MS LL	04/21/10	04/21/10 14:33	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	12	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	5.0	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	0.46	1.0	0.20	1	J	n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	1.2	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.81	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	5.7	10	3.5	1	J
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	115	80-141	
Toluene-d8	97	80-120		1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 3 of 10

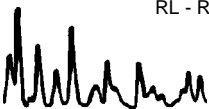
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-58 dup	10-04-1376-3-B	04/19/10 00:00	Aqueous	GC/MS LL	04/21/10	04/21/10 18:28	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	12	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	5.7	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	0.54	1.0	0.20	1	J	n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	1.3	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	0.77	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	4.4	10	3.5	1	J
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	104	80-132		1,2-Dichloroethane-d4	111	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	93	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59	10-04-1376-4-B	04/19/10 08:32	Aqueous	GC/MS LL	04/21/10	04/21/10 18:56	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	570	2.5	1.4	5		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	1.9	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	32	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	1.8	1.0	0.28	1		Naphthalene	13	10	2.5	1	
sec-Butylbenzene	4.4	1.0	0.20	1		n-Propylbenzene	29	1.0	0.79	1	
tert-Butylbenzene	0.81	1.0	0.28	1	J	Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	2.3	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	11	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	100	80-132		1,2-Dichloroethane-d4	114	80-141	
Toluene-d8	105	80-120		1,4-Bromofluorobenzene	96	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59 dup	10-04-1376-5-B	04/19/10 00:00	Aqueous	GC/MS LL	04/21/10	04/21/10 19:54	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	510	2.5	1.4	5		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	1.9	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	33	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	1.7	1.0	0.28	1		Naphthalene	14	10	2.5	1	
sec-Butylbenzene	4.5	1.0	0.20	1		n-Propylbenzene	29	1.0	0.79	1	
tert-Butylbenzene	0.84	1.0	0.28	1	J	Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	2.3	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	13	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	107	80-132		1,2-Dichloroethane-d4	108	80-141	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	94	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW-16	10-04-1376-6-B	04/19/10 10:22	Aqueous	GC/MS LL	04/21/10	04/21/10 20:51	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	2.6	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	80-132	
Toluene-d8	98	80-120	

Surrogates:	REC (%)	Control I	Qual
1,2-Dichloroethane-d4	108	80-141	
1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-66	10-04-1376-7-B	04/19/10 11:18	Aqueous	GC/MS LL	04/21/10	04/21/10 21:20	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							


Surrogates: REC (%) Control Limits Qual

Dibromofluoromethane 109 80-132
Toluene-d8 98 80-120

Surrogates: REC (%) Control I Qual

1,2-Dichloroethane-d4 108 80-141
1,4-Bromofluorobenzene 88 76-120

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 8 of 10


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-47	10-04-1376-8-B	04/19/10 12:21	Aqueous	GC/MS LL	04/21/10	04/21/10 21:48	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	2.7	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	0.43	1.0	0.20	1	J	n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	0.40	1.0	0.28	1	J	Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	13	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	106	80-132		1,2-Dichloroethane-d4	108	80-141	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	92	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

Page 9 of 10


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-13	10-04-1376-9-B	04/19/10 14:01	Aqueous	GC/MS LL	04/21/10	04/21/10 22:17	100421L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	106	80-132		1,2-Dichloroethane-d4	108	80-141	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	87	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-507	N/A	Aqueous	GC/MS LL	04/21/10	04/21/10 14:04	100421L01

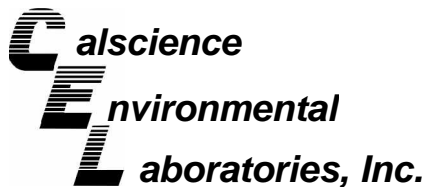
Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	20	1		c-1,3-Dichloropropene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.28	1		t-1,3-Dichloropropene	ND	0.50	0.36	1	
Bromobenzene	ND	1.0	0.33	1		Ethylbenzene	ND	0.50	0.22	1	
Bromochloromethane	ND	1.0	0.69	1		2-Hexanone	ND	10	6.9	1	
Bromodichloromethane	ND	1.0	0.33	1		Isopropylbenzene	ND	1.0	0.23	1	
Bromoform	ND	1.0	0.55	1		p-Isopropyltoluene	ND	1.0	0.26	1	
Bromomethane	ND	5.0	4.3	1		Methylene Chloride	ND	5.0	2.6	1	
2-Butanone	ND	10	6.9	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.28	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.20	1		n-Propylbenzene	ND	1.0	0.79	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.30	1	
Carbon Disulfide	ND	10	1.9	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.35	1	
Carbon Tetrachloride	ND	0.50	0.43	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.44	1	
Chlorobenzene	ND	1.0	0.22	1		Tetrachloroethene	ND	1.0	0.51	1	
Chloroethane	ND	5.0	1.3	1		Toluene	ND	0.50	0.33	1	
Chloroform	ND	1.0	0.33	1		1,2,3-Trichlorobenzene	ND	1.0	0.31	1	
Chloromethane	ND	5.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.49	1	
2-Chlorotoluene	ND	1.0	0.55	1		1,1,1-Trichloroethane	ND	1.0	0.45	1	
4-Chlorotoluene	ND	1.0	0.21	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.64	1	
Dibromochloromethane	ND	1.0	0.48	1		1,1,2-Trichloroethane	ND	1.0	0.54	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.1	1		Trichloroethene	ND	1.0	0.30	1	
1,2-Dibromoethane	ND	1.0	0.47	1		Trichlorofluoromethane	ND	10	0.31	1	
Dibromomethane	ND	1.0	0.59	1		1,2,3-Trichloropropane	ND	5.0	1.3	1	
1,2-Dichlorobenzene	ND	1.0	0.27	1		1,2,4-Trimethylbenzene	ND	1.0	0.24	1	
1,3-Dichlorobenzene	ND	1.0	0.28	1		1,3,5-Trimethylbenzene	ND	1.0	0.23	1	
1,4-Dichlorobenzene	ND	1.0	0.21	1		Vinyl Acetate	ND	10	7.1	1	
Dichlorodifluoromethane	ND	1.0	0.49	1		Vinyl Chloride	ND	0.50	0.33	1	
1,1-Dichloroethane	ND	1.0	0.37	1		p/m-Xylene	ND	0.50	0.45	1	
1,2-Dichloroethane	ND	0.50	0.31	1		o-Xylene	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.30	1	
c-1,2-Dichloroethene	ND	1.0	0.49	1		Tert-Butyl Alcohol (TBA)	ND	10	3.5	1	
t-1,2-Dichloroethene	ND	1.0	0.40	1		Diisopropyl Ether (DIPE)	ND	2.0	0.31	1	
1,2-Dichloropropane	ND	1.0	0.38	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.27	1	
1,3-Dichloropropane	ND	1.0	0.38	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.28	1	
2,2-Dichloropropane	ND	1.0	0.46	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.26	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control I	Qual
Dibromofluoromethane	111	80-132		1,2-Dichloroethane-d4	110	80-141	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	85	76-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1363-1	Aqueous	GC 42	04/20/10	04/20/10	100420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	92	88	68-122	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

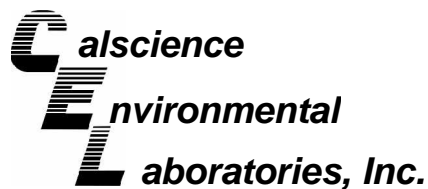
Date Received: 04/19/10
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-58	Aqueous	GC/MS LL	04/21/10	04/21/10	100421S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	96	72-120	7	0-20	
Carbon Tetrachloride	121	117	63-135	3	0-20	
Chlorobenzene	101	96	80-120	5	0-20	
1,2-Dibromoethane	108	103	80-120	5	0-20	
1,2-Dichlorobenzene	99	95	80-120	5	0-20	
1,1-Dichloroethene	106	104	60-132	2	0-24	
Ethylbenzene	105	101	78-120	4	0-20	
Toluene	106	98	74-122	7	0-20	
Trichloroethene	104	97	69-120	7	0-20	
Vinyl Chloride	108	108	58-130	1	0-20	
Methyl-t-Butyl Ether (MTBE)	109	105	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	95	98	72-126	2	0-20	
Diisopropyl Ether (DIPE)	112	109	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	105	104	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	99	76-124	6	0-20	
Ethanol	87	87	35-167	0	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

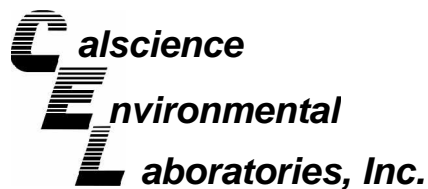
Date Received: N/A
Work Order No: 10-04-1376
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-62	Aqueous	GC 27	04/20/10	04/21/10	100420B16

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as JP5	103	112	75-117	9	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

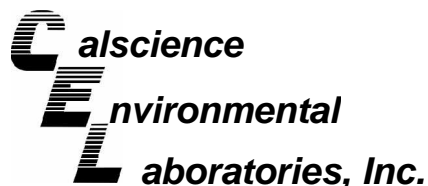
Date Received: N/A
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-4,115	Aqueous	GC 42	04/20/10	04/20/10	100420B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	90	92	78-120	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 10-04-1376
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-507	Aqueous	GC/MS LL	04/21/10	04/21/10	100421L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	106	105	80-122	73-129	1	0-20	
Carbon Tetrachloride	116	115	68-140	56-152	1	0-20	
Chlorobenzene	99	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	105	105	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	99	97	80-120	73-127	2	0-20	
1,1-Dichloroethene	105	105	72-132	62-142	0	0-25	
Ethylbenzene	105	103	80-126	72-134	1	0-20	
Toluene	105	103	80-121	73-128	2	0-20	
Trichloroethene	100	101	80-123	73-130	1	0-20	
Vinyl Chloride	115	113	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	104	107	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	97	99	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	107	108	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	105	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	103	80-123	73-130	1	0-20	
Ethanol	99	101	61-139	48-152	2	0-27	

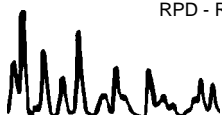
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-04-1376

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis. Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4/19/10

Page 1 of 1

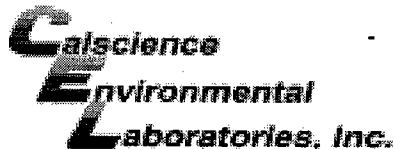
LABORATORY CLIENT: Parsons		CLIENT PROJECT NAME / NUMBER: DFSP Norwalk GWM	P.O. NO.:
ADDRESS: 100 W. Walnut St.		PROJECT CONTACT: Mary Lucas	LAB USE ONLY 04-1376
CITY: Pasadena STATE: CA ZIP: 91124	TEL: 62-440-6156 E-MAIL: Mary.Lucas@parsons.com	SAMPLER(S) (PRINT): M. Houser (EAL)	COOLER RECEIPT
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD		COELT LOG CODE	TEMP= _____ °C

REQUESTED ANALYSES

TPH (g)	TPH (g) or (C6-C36) or (C6-C44)	TPH (TPS)	BTEX / MTBE (8260B) or (TOXY)	VOCs (8260B) + Oxy	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (g) or (C6-C36) or (C6-C44)	TPH (TPS)	BTEX / MTBE (8260B) or (TOXY)	VOCs (8260B) + Oxy	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
1	TB-6		4/19/10	0700	w	2				X												
2	Gmw-58			0748	w	5			X	X												
3	Gmw-58 dup			-	w	5			X	X												
4	Gmw-59			0832	w	8	X	X	X													
5	Gmw-59 dup			-	w	8	X	X	X													
6	Gw-16			1022	w	5			X	X												
7	Gmw-16b			1118	w	5			X	X												
8	Gmw-47			1221	w	5			X	X												
9	Mw-13			4/19/10	1401	w	5		X	X												

Relinquished by: (Signature) <i>M. Houser</i>	Received by: (Signature/Affiliation) <i>Ally Houser</i>	Date: <u>4/19/10</u>	Time: <u>15:15</u>
Relinquished by: (Signature) <i>Ally Houser</i>	Received by: (Signature/Affiliation) <i>CEC</i>	Date: <u>4/19/10</u>	Time: <u>1550</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation) <i>J. Pat</i>	Date:	Time:



WORK ORDER #: 10-04-1377

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSON

DATE: 04/19/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.2 °C + 0.5 °C (CF) = 3.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: AM

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: AM

Sample _____ No (Not Intact) Not Present Initial: AM

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBzanna 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: 1003300 Labeled/Checked by: AM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: AM

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ zanna: ZnAc₂+NaOH f: Field-filtered Scanned by: AM



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Anions by IC
EPA Method 300.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-O-17				
Lab ID: GMT10052623-01A Nitrite (NO2) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 15:17
Date Sampled 05/25/10 09:25 Nitrate (NO3) - N	2.3	0.25 mg/L	05/26/10 12:49	05/26/10 15:17
Sulfate (SO4)	200	75 mg/L	05/26/10 12:49	05/26/10 15:17
Client ID: GMW-O-2				
Lab ID: GMT10052623-02A Nitrite (NO2) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 15:36
Date Sampled 05/25/10 10:39 Nitrate (NO3) - N	31	2.5 mg/L	05/26/10 12:49	05/26/10 18:40
Sulfate (SO4)	530	5.0 mg/L	05/26/10 12:49	05/26/10 18:40
Client ID: GMW-O-3				
Lab ID: GMT10052623-03A Nitrite (NO2) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 15:54
Date Sampled 05/25/10 11:41 Nitrate (NO3) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 15:54
Sulfate (SO4)	460	75 mg/L	05/26/10 12:49	05/26/10 15:54
Client ID: GMW-O-15				
Lab ID: GMT10052623-04A Nitrite (NO2) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 16:13
Date Sampled 05/25/10 13:35 Nitrate (NO3) - N	ND	0.25 mg/L	05/26/10 12:49	05/26/10 16:13
Sulfate (SO4)	530	5.0 mg/L	05/26/10 12:49	05/26/10 21:27

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/4/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Iron by Spectrophotometer SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-O-17 Lab ID: GMT10052623-01A Iron, Ferrous (+2) Date Sampled 05/25/10 09:25	ND	0.050 mg/L	05/28/10	05/28/10
Client ID: GMW-O-2 Lab ID: GMT10052623-02A Iron, Ferrous (+2) Date Sampled 05/25/10 10:39	ND	0.050 mg/L	05/28/10	05/28/10
Client ID: GMW-O-3 Lab ID: GMT10052623-03A Iron, Ferrous (+2) Date Sampled 05/25/10 11:41	2.4	0.050 mg/L	05/28/10	05/28/10
Client ID: GMW-O-15 Lab ID: GMT10052623-04A Iron, Ferrous (+2) Date Sampled 05/25/10 13:35	1.6	0.050 mg/L	05/28/10	05/28/10

Ferrous iron samples were color developed promptly after laboratory login.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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6/4/10

Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-O-17				
Lab ID: GMT10052623-01A Alkalinity, Total (As CaCO3 at pH 4.5)	650	10 mg/L	06/02/10	06/02/10
Date Sampled 05/25/10 09:25				
Client ID: GMW-O-2				
Lab ID: GMT10052623-02A Alkalinity, Total (As CaCO3 at pH 4.5)	710	10 mg/L	06/02/10	06/02/10
Date Sampled 05/25/10 10:39				
Client ID: GMW-O-3				
Lab ID: GMT10052623-03A Alkalinity, Total (As CaCO3 at pH 4.5)	870	10 mg/L	06/02/10	06/02/10
Date Sampled 05/25/10 11:41				
Client ID: GMW-O-15				
Lab ID: GMT10052623-04A Alkalinity, Total (As CaCO3 at pH 4.5)	640	10 mg/L	06/02/10	06/02/10
Date Sampled 05/25/10 13:35				

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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6/4/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Dissolved Metals by ICPMS EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-O-17				
Lab ID: GMT10052623-01A Manganese (Mn), Dissolved Date Sampled 05/25/10 09:25	ND	0.0050 mg/L	05/26/10 16:06	05/26/10
Client ID: GMW-O-2				
Lab ID: GMT10052623-02A Manganese (Mn), Dissolved Date Sampled 05/25/10 10:39	1.3	0.0050 mg/L	05/26/10 16:06	05/26/10
Client ID: GMW-O-3				
Lab ID: GMT10052623-03A Manganese (Mn), Dissolved Date Sampled 05/25/10 11:41	2.2	0.0050 mg/L	05/26/10 16:06	05/26/10
Client ID: GMW-O-15				
Lab ID: GMT10052623-04A Manganese (Mn), Dissolved Date Sampled 05/25/10 13:35	1.5	0.0050 mg/L	05/26/10 16:06	05/26/10

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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✓
6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Dissolved Gases Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-O-17 Lab ID: GMT10052623-01A Methane Date Sampled 05/25/10 09:25	ND	0.010 mg/L	06/01/10 13:43	06/02/10
Client ID: GMW-O-2 Lab ID: GMT10052623-02A Methane Date Sampled 05/25/10 10:39	ND	0.010 mg/L	06/01/10 13:43	06/02/10
Client ID: GMW-O-3 Lab ID: GMT10052623-03A Methane Date Sampled 05/25/10 11:41	ND	0.010 mg/L	06/01/10 13:43	06/02/10
Client ID: GMW-O-15 Lab ID: GMT10052623-04A Methane Date Sampled 05/25/10 13:35	0.13	0.010 mg/L	06/01/10 13:43	06/02/10

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052623

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0**

File ID: **21**

Batch ID: **24338**

Analysis Date: **05/26/2010 14:03**

Sample ID: **MB-24338**

Units : **mg/L**

Run ID: **IC_1_100526A**

Prep Date: **05/26/2010 12:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	0.25								
Nitrate (NO3) - N	ND	0.25								
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0**

File ID: **22**

Batch ID: **24338**

Analysis Date: **05/26/2010 14:21**

Sample ID: **LFB-24338**

Units : **mg/L**

Run ID: **IC_1_100526A**

Prep Date: **05/26/2010 12:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	4.85	0.25	5		97	90	110			
Nitrate (NO3) - N	5.07	0.25	5		101	90	110			
Sulfate (SO4)	103	0.5	100		103	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0**

File ID: **34**

Batch ID: **24338**

Analysis Date: **05/26/2010 18:03**

Sample ID: **10052504-04ALFM**

Units : **mg/L**

Run ID: **IC_1_100526A**

Prep Date: **05/26/2010 12:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	10.3	0.25	10	0	103	80	120			
Nitrate (NO3) - N	10.3	0.25	10	0	103	80	120			
Sulfate (SO4)	339	0.5	200	155.4	92	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0**

File ID: **35**

Batch ID: **24338**

Analysis Date: **05/26/2010 18:22**

Sample ID: **10052504-04ALFMD**

Units : **mg/L**

Run ID: **IC_1_100526A**

Prep Date: **05/26/2010 12:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9.36	0.25	10	0	94	80	120	10.3	9.5(15)	
Nitrate (NO3) - N	10.5	0.25	10	0	105	80	120	10.28	2.6(15)	
Sulfate (SO4)	345	0.5	200	155.4	95	80	120	339.1	1.6(15)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052623

Method Blank

Type **MBLK** Test Code: **SM3500-Fe B**

File ID: Batch ID: **W0528FR** Analysis Date: **05/28/2010 00:00**

Sample ID: **MBLK-W0528FR** Units : **mg/L** Run ID: **WETLAB_100528B** Prep Date: **05/28/2010 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	ND	0.05								

Laboratory Control Spike

Type **LCS** Test Code: **SM3500-Fe B**

File ID: Batch ID: **W0528FR** Analysis Date: **05/28/2010 00:00**

Sample ID: **LCS-W0528FR** Units : **mg/L** Run ID: **WETLAB_100528B** Prep Date: **05/28/2010 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.46	0.05	1.5		97	85	115			

Sample Matrix Spike

Type **MS** Test Code: **SM3500-Fe B**

File ID: Batch ID: **W0528FR** Analysis Date: **05/28/2010 00:00**

Sample ID: **10052623-01AMS** Units : **mg/L** Run ID: **WETLAB_100528B** Prep Date: **05/28/2010 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.48	0.05	1.5	0	98	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **SM3500-Fe B**

File ID: Batch ID: **W0528FR** Analysis Date: **05/28/2010 00:00**

Sample ID: **10052623-01AMSD** Units : **mg/L** Run ID: **WETLAB_100528B** Prep Date: **05/28/2010 00:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.5	0.05	1.5	0	100	70	130	1.476	1.8(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
04-Jun-10

QC Summary Report

Work Order:
10052623

Laboratory Control Spike

Type **LCS**

Test Code: **SM2320B**

File ID:

Batch ID: **W0602AL**

Analysis Date: **06/02/2010 11:38**

Sample ID: **LCS-W0602AL**

Units : **mg/L**

Run ID: **WETLAB_100602A**

Prep Date: **06/02/2010 11:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Total (As CaCO ₃ at pH 4.5)	258	10	250		103	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
04-Jun-10

QC Summary Report

Work Order:
10052623

Method Blank

Type: **MBLK** Test Code: **EPA Method 200.8**

File ID: 052610.B\093SMPL.D\

Batch ID: 24339

Analysis Date: 05/26/2010 19:58

Sample ID: MB-24339

Units : mg/L

Run ID: ICP/MS_100526D

Prep Date: 05/26/2010 16:06

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	ND	0.005								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method 200.8**

File ID: 052610.B\094_LCS.D\

Batch ID: 24339

Analysis Date: 05/26/2010 20:04

Sample ID: LCS-24339

Units : mg/L

Run ID: ICP/MS_100526D

Prep Date: 05/26/2010 16:06

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0504	0.005	0.05		101	83	120			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method 200.8**

File ID: 052610.B\098SMPL.D\

Batch ID: 24339

Analysis Date: 05/26/2010 20:27

Sample ID: 10052620-01AMS

Units : mg/L

Run ID: ICP/MS_100526D

Prep Date: 05/26/2010 16:06

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.052	0.005	0.05	0	104	70	130			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method 200.8**

File ID: 052610.B\099SMPL.D\

Batch ID: 24339

Analysis Date: 05/26/2010 20:33

Sample ID: 10052620-01AMSD

Units : mg/L

Run ID: ICP/MS_100526D

Prep Date: 05/26/2010 16:06

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.052	0.005	0.05	0	104	70	130	0.05202	0.0(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
04-Jun-10

QC Summary Report

Work Order:
10052623

Method Blank

Type **MBLK** Test Code: **Modified Method RSK-175 GC/FID**

File ID: Batch ID: **24366** Analysis Date: **06/02/2010 10:22**
Sample ID: **MBLK-24366** Units : **mg/L** Run ID: **FID_6_100602A** Prep Date: **06/01/2010 13:43**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Methane ND 0.01

Laboratory Control Spike

Type **LCS** Test Code: **Modified Method RSK-175 GC/FID**

File ID: Batch ID: **24366** Analysis Date: **06/02/2010 10:41**
Sample ID: **LCS-24366** Units : **mg/L** Run ID: **FID_6_100602A** Prep Date: **06/01/2010 13:43**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Methane 0.363 0.01 0.452 80 70 130

Sample Matrix Spike

Type **MS** Test Code: **Modified Method RSK-175 GC/FID**

File ID: Batch ID: **24366** Analysis Date: **06/02/2010 11:18**
Sample ID: **10052626-01AMS** Units : **mg/L** Run ID: **FID_6_100602A** Prep Date: **06/01/2010 13:43**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Methane 1.66 0.01 1.81 0.01 91 70 130

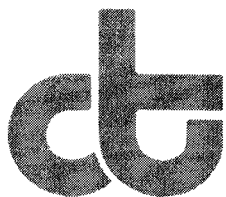
Sample Matrix Spike Duplicate

Type **MSD** Test Code: **Modified Method RSK-175 GC/FID**

File ID: Batch ID: **24366** Analysis Date: **06/02/2010 11:36**
Sample ID: **10052626-01AMSD** Units : **mg/L** Run ID: **FID_6_100602A** Prep Date: **06/01/2010 13:43**
Analyte Result PQL SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Methane 1.62 0.01 1.81 0.01 89 70 130 1.658 2.4(20)

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 220429
ANALYTICAL REPORT**

Alpha Analytical, Inc.
255 Glendale Ave.
Sparks, NV 89431

Project : STANDARD
Location : GMT10052623
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
GMW-O-17	220429-001
GMW-O-2	220429-002
GMW-O-3	220429-003
GMW-O-15	220429-004

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 06/07/2010

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 220429
Client: Alpha Analytical, Inc.
Location: GMT10052623
Request Date: 05/27/10
Samples Received: 05/27/10

This data package contains sample and QC results for four water samples, requested for the above referenced project on 05/27/10. The samples were received cold and intact.

Dissolved Gases by GC/FID (RSK-175):

No analytical problems were encountered.

Dissolved CO2 by GC TCD			
Lab #:	220429	Location:	GMT10052623
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Batch#:	163509
Matrix:	Water	Sampled:	05/25/10
Units:	mg/L	Received:	05/27/10
Diln Fac:	1.000	Analyzed:	05/28/10

Field ID	Type	Lab ID	Result	RL
GMW-O-17	SAMPLE	220429-001	92	1.0
GMW-O-2	SAMPLE	220429-002	93	1.0
GMW-O-3	SAMPLE	220429-003	140	1.0
GMW-O-15	SAMPLE	220429-004	87	1.0
	BLANK	QC546548	ND	1.0

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	220429	Location:	GMT10052623
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	163509
Units:	mg/L	Analyzed:	05/28/10

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC546549	1.799	1.773	99	71-123		
BSD	QC546550	1.799	1.787	99	71-123	1	29

RPD= Relative Percent Difference

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052623
Report Due By : 5:00 PM On : 07-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	EMail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes


Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Cooler Temp Samples Received Date Printed
 4 °C 26-May-10 26-May-10

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks	
				Alpha	Sub	TAT	300_0_W	3500FE_20 S_W	ALKALINIT Y_W	CO2_FREE	METALS_D S	METHANE_W		
GMT10052623-01A	GMW-0-17	AQ	05/25/10 09:25	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4		
GMT10052623-02A	GMW-0-2	AQ	05/25/10 10:39	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4		
GMT10052623-03A	GMW-0-3	AQ	05/25/10 11:41	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4		
GMT10052623-04A	GMW-0-15	AQ	05/25/10 13:35	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4		

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with VOCs, per client notes. CO2 subbed to Curtis & Tompkins.:

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	5/26/10 1155

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC ^{1 1} 4 of 4 km

CHAIN OF CUSTODY

CLIENT: Kinder Morgan
 SITE: DFSP Norwalk
 15306 Norwalk Blvd, Norwalk

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

GMT10052623

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	#	CONTAINERS		Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
					Preservation	Type										
GMN-0-17	5-25-10	0925	AQ	10	X	X	X	X	X	X	X	X				01
GMN-0-2		1039	AQ	10	X	X	X	X	X	X	X	X				02
GMN-0-3		1141	AQ	10	X	X	X	X	X	X	X	X				03
GMN-0-15		1335	AQ	10	X	X	X	X	X	X	X	X				04

SAMPLING COMPLETED: DATE 5-25-10 TIME 1445
 SAMPLING PERFORMED BY: T. HAYNES, P. HORMS
 RESULTS NEEDED: NO LATER THAN Standard

RELEASED BY: [Signature] TIME 1545 RECEIVED BY: [Signature] DATE 5-25-10 TIME 1545

RELEASED BY: [Signature] TIME 1645 RECEIVED BY: [Signature] DATE 5-25-10 TIME 1645

RELEASED BY: [Signature] TIME 1645 RECEIVED BY: K Murray DATE 5/26/10 TIME 1140

SHIPPED VIA: TIME SENT: COOLER #:



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/26/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed	
Client ID :	EB-1					
Lab ID :	GMT10052624-02A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 15:00	Surr: Nonane	101	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	105	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	05/27/10	05/27/10
Client ID :	EB-2					
Lab ID :	GMT10052624-03A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 15:05	Surr: Nonane	107	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	108	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	05/27/10	05/27/10
Client ID :	WCW-2					
Lab ID :	GMT10052624-04A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 14:22	Surr: Nonane	98	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	109	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/27/10	05/27/10
Client ID :	WCW-12					
Lab ID :	GMT10052624-05A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 13:55	Surr: Nonane	104	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	111	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/27/10	05/27/10
Client ID :	WCW-13					
Lab ID :	GMT10052624-06A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 13:20	Surr: Nonane	92	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	109	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/27/10	05/27/10
Client ID :	WCW-6					
Lab ID :	GMT10052624-07A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 14:33	Surr: Nonane	100	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	109	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	05/27/10	05/27/10



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Client ID :	WCW-3					
Lab ID :	GMT10052624-08A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 13:57	Surr: Nonane	96	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	111	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	05/27/10	05/27/10
Client ID :	EXP-4					
Lab ID :	GMT10052624-09A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/24/10 13:08	Surr: Nonane	115	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/27/10	05/27/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/27/10	05/27/10
		Surr: Toluene-d8	110	(70-130) %REC	05/27/10	05/27/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/27/10	05/27/10
Client ID :	EB-4					
Lab ID :	GMT10052624-11A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/25/10 14:45	Surr: Nonane	110	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	111	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-5					
Lab ID :	GMT10052624-12A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/25/10 13:52	Surr: Nonane	103	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	110	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-4					
Lab ID :	GMT10052624-13A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/25/10 12:10	Surr: Nonane	107	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-4(MID)					
Lab ID :	GMT10052624-14A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/25/10 11:40	Surr: Nonane	107	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	114	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-8					
Lab ID :	GMT10052624-15A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/27/10
Date Sampled	05/25/10 10:57	Surr: Nonane	106	(57-147) %REC	05/27/10 10:08	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-1					
Lab ID :	GMT10052624-16A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08	05/28/10
Date Sampled	05/25/10 10:24	Surr: Nonane	104	(57-147) %REC	05/27/10 10:08	05/28/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	05/28/10	05/28/10



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Client ID :	WCW-1				
Lab ID :	GMT10052624-17A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08
Date Sampled	05/25/10 09:43	Surr: Nonane	98	(57-147) %REC	05/27/10 10:08
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	05/28/10
Client ID :	WCW-5				
Lab ID :	GMT10052624-18A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08
Date Sampled	05/25/10 09:03	Surr: Nonane	103	(57-147) %REC	05/27/10 10:08
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/28/10
Client ID :	EXP-5				
Lab ID :	GMT10052624-19A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08
Date Sampled	05/25/10 08:12	Surr: Nonane	106	(57-147) %REC	05/27/10 10:08
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	05/28/10
Client ID :	EXP-1				
Lab ID :	GMT10052624-20A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 10:08
Date Sampled	05/25/10 07:28	Surr: Nonane	103	(57-147) %REC	05/27/10 10:08
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/28/10
Client ID :	EXP-3				
Lab ID :	GMT10052624-21A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35
Date Sampled	05/25/10 07:28	Surr: Nonane	73	(57-147) %REC	05/27/10 13:35
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/28/10
		Surr: Toluene-d8	113	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/28/10
Client ID :	EXP-2				
Lab ID :	GMT10052624-22A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35
Date Sampled	05/25/10 08:07	Surr: Nonane	66	(57-147) %REC	05/27/10 13:35
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/28/10
Client ID :	GMW-O-17				
Lab ID :	GMT10052624-23A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35
Date Sampled	05/25/10 09:25	Surr: Nonane	72	(57-147) %REC	05/27/10 13:35
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/28/10
Client ID :	WCW-14				
Lab ID :	GMT10052624-24A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35
Date Sampled	05/25/10 08:47	Surr: Nonane	78	(57-147) %REC	05/27/10 13:35
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	05/28/10



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Client ID :	GMW-O-2					
Lab ID :	GMT10052624-25A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 10:39	Surr: Nonane	68	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	111	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-3					
Lab ID :	GMT10052624-26A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 11:41	Surr: Nonane	69	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	111	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-15					
Lab ID :	GMT10052624-27A	TPH-E (Fuel Product)	5.6 *	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 13:35	Surr: Nonane	89	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	0.65	0.20 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	106	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	05/28/10	05/28/10
Client ID :	EB-3					
Lab ID :	GMT10052624-28A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 14:35	Surr: Nonane	80	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	ND	0.050 mg/L	05/28/10	05/28/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/28/10	05/28/10
		Surr: Toluene-d8	112	(70-130) %REC	05/28/10	05/28/10
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	05/28/10	05/28/10
Client ID :	GMW-O-18					
Lab ID :	GMT10052624-29A	TPH-E (Fuel Product)	0.54 *	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 12:29	Surr: Nonane	85	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	0.11	0.10 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	106	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	89	(70-130) %REC	06/01/10	06/01/10
Client ID :	DUP-2					
Lab ID :	GMT10052624-30A	TPH-E (Fuel Product)	0.73 *	0.10 mg/L	05/27/10 13:35	05/27/10
Date Sampled	05/25/10 00:00	Surr: Nonane	76	(57-147) %REC	05/27/10 13:35	05/27/10
		TPH-P (GRO)	0.12	0.10 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	106	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	88	(70-130) %REC	06/01/10	06/01/10

*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-01A
Client I.D. Number: TB-1

Sampled: 05/24/10 07:00
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	1.0 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-02A
Client I.D. Number: EB-1

Sampled: 05/24/10 15:00
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethane	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Phone: (949) 642-0245
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Alpha Analytical Number: GMT10052624-03A
Client I.D. Number: EB-2

Sampled: 05/24/10 15:05
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-04A
Client I.D. Number: WCW-2

Sampled: 05/24/10 14:22
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-05A
Client I.D. Number: WCW-12

Sampled: 05/24/10 13:55
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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YJG

6/4/10

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-06A
Client I.D. Number: WCW-13

Sampled: 05/24/10 13:20
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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[Signature]

6/4/10

Report Date

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Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-07A
Client I.D. Number: WCW-6

Sampled: 05/24/10 14:33
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

6/4/10

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-08A
Client I.D. Number: WCW-3

Sampled: 05/24/10 13:57
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	2.8	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-09A
Client I.D. Number: EXP-4

Sampled: 05/24/10 13:08
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	110	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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YJG

6/4/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-10A
Client I.D. Number: TB-2

Sampled: 05/25/10 07:00
Received: 05/26/10
Extracted: 05/27/10
Analyzed: 05/27/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-11A
Client I.D. Number: EB-4

Sampled: 05/25/10 14:45
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-12A
Client I.D. Number: GMW-O-5

Sampled: 05/25/10 13:52
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	110	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS

6/4/10

Report Date

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-13A
Client I.D. Number: GMW-O-4

Sampled: 05/25/10 12:10
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Randy Gardner

Walter Hinchman

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PS
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Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-14A
Client I.D. Number: GMW-O-4(MID)

Sampled: 05/25/10 11:40
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	114	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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YJG

6/4/10

Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-15A
Client I.D. Number: GMW-O-8

Sampled: 05/25/10 10:57
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

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RS

6/4/10

Report Date



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ANALYTICAL REPORT

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Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-16A
Client I.D. Number: GMW-O-1

Sampled: 05/25/10 10:24
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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YAG

6/4/10

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-17A
Client I.D. Number: WCW-1

Sampled: 05/25/10 09:43
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/4/10

Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-18A
Client I.D. Number: WCW-5

Sampled: 05/25/10 09:03
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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JSG

6/4/10

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-19A
Client I.D. Number: EXP-5

Sampled: 05/25/10 08:12
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

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[Signature]

6/4/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-20A
Client I.D. Number: EXP-1

Sampled: 05/25/10 07:28
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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[Signature]

6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-21A
Client I.D. Number: EXP-3

Sampled: 05/25/10 07:28
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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[Signature]

6/4/10

Report Date



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255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-22A
Client I.D. Number: EXP-2

Sampled: 05/25/10 08:07
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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6/4/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-23A
Client I.D. Number: GMW-O-17

Sampled: 05/25/10 09:25
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMPE DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-24A
Client I.D. Number: WCW-14

Sampled: 05/25/10 08:47
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Page 1 of 1



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-25A
Client I.D. Number: GMW-O-2

Sampled: 05/25/10 10:39
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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YBS

6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-26A
Client I.D. Number: GMW-O-3

Sampled: 05/25/10 11:41
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	111	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

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VJG

6/4/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-27A
Client I.D. Number: GMW-O-15

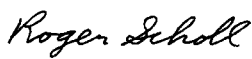

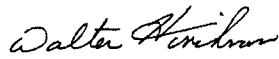
Sampled: 05/25/10 13:35
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	8.4	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	33	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Styrene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	11	1.0 µg/L
7 Acetone	ND	40 µg/L	51 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,2,3-Trichloropropane	ND	8.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	1,500	20 µg/L	53 Isopropylbenzene	ND	2.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Bromobenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 4-Chlorotoluene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 2-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	180	1.0 µg/L	58 1,3,5-Trimethylbenzene	7.2	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 tert-Butylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	16	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 sec-Butylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 1,3-Dichlorobenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,4-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 4-Isopropyltoluene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 1,2-Dichlorobenzene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 n-Butylbenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2,4-Trichlorobenzene	ND	8.0 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 1,2,3-Trichlorobenzene	ND	8.0 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	82	1.0 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L			
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethene	ND	2.0 µg/L			
33 Bromodichloromethane	ND	2.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	2.0 µg/L			
36 trans-1,3-Dichloropropene	ND	2.0 µg/L			
37 1,1,2-Trichloroethane	ND	2.0 µg/L			
38 Toluene	16	1.0 µg/L			
39 1,3-Dichloropropane	ND	2.0 µg/L			
40 2-Hexanone	ND	20 µg/L			
41 Dibromochloromethane	ND	2.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-28A
Client I.D. Number: EB-3

Sampled: 05/25/10 14:35
Received: 05/26/10
Extracted: 05/28/10
Analyzed: 05/28/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

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Walter Hinchman

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PS

6/4/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-29A
Client I.D. Number: GMW-O-18

Sampled: 05/25/10 12:29
Received: 05/26/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	6,500	100 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.9	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	89	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*This analyte was analyzed separately on 5/28/10 in order to achieve lower reporting limits for the other analytes.

Some Reporting Limits were increased due to high concentrations of non-target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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YAG

6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052624-30A
Client I.D. Number: DUP-2

Sampled: 05/25/10 00:00
Received: 05/26/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	6,100	100 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	3.0	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	88	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*This analyte was analyzed separately on 5/28/10 in order to achieve lower reporting limits for the other analytes.

Some Reporting Limits were increased due to high concentrations of non-target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/4/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: GMT10052624

Job: KMFP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10052624-01A	TB-1	Aqueous	2
10052624-02A	EB-1	Aqueous	2
10052624-03A	EB-2	Aqueous	2
10052624-04A	WCW-2	Aqueous	2
10052624-05A	WCW-12	Aqueous	2
10052624-06A	WCW-13	Aqueous	2
10052624-07A	WCW-6	Aqueous	2
10052624-08A	WCW-3	Aqueous	2
10052624-09A	EXP-4	Aqueous	2
10052624-10A	TB-2	Aqueous	2
10052624-11A	EB-4	Aqueous	2
10052624-12A	GMW-O-5	Aqueous	2
10052624-13A	GMW-O-4	Aqueous	2
10052624-14A	GMW-O-4(MID)	Aqueous	2
10052624-15A	GMW-O-8	Aqueous	2
10052624-16A	GMW-O-1	Aqueous	2
10052624-17A	WCW-1	Aqueous	2
10052624-18A	WCW-5	Aqueous	2
10052624-19A	EXP-5	Aqueous	2
10052624-20A	EXP-1	Aqueous	2
10052624-21A	EXP-3	Aqueous	2
10052624-22A	EXP-2	Aqueous	2
10052624-23A	GMW-O-17	Aqueous	2
10052624-24A	WCW-14	Aqueous	2
10052624-25A	GMW-O-2	Aqueous	2
10052624-26A	GMW-O-3	Aqueous	2
10052624-27A	GMW-O-15	Aqueous	2
10052624-28A	EB-3	Aqueous	2
10052624-29A	GMW-O-18	Aqueous	2
10052624-30A	DUP-2	Aqueous	2

6/4/10
Report Date



Alpha Analytical, Inc.

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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Method Blank

File ID: 7A05271009.D

Sample ID: MBLK-24341

Analyte

TPH-E (Fuel Product)

Surr: Nonane

Type MBLK Test Code: EPA Method SW8015B / E

Batch ID: 24341

Analysis Date: 05/27/2010 14:12

Run ID: FID_7_100527A

Prep Date: 05/27/2010 10:08

Units : mg/L

Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
--------	-----	--------	-----------	------	---------	---------	-----------	-------------	------

ND	0.1								
0.153		0.15		102	57	147			

Laboratory Control Spike

File ID: 7A05271010.D

Sample ID: LCS-24341

Analyte

TPH-E (DRO)

Surr: Nonane

Type LCS Test Code: EPA Method SW8015B / E

Batch ID: 24341

Analysis Date: 05/27/2010 14:39

Run ID: FID_7_100527A

Prep Date: 05/27/2010 10:08

Units : mg/L

Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
--------	-----	--------	-----------	------	---------	---------	-----------	-------------	------

2.48	0.05	2.5		99	67	130			
0.137		0.15		91	57	147			

Sample Matrix Spike

File ID: 7A05271013.D

Sample ID: 10052624-02AMS

Analyte

TPH-E (DRO)

Surr: Nonane

Type MS Test Code: EPA Method SW8015B / E

Batch ID: 24341

Analysis Date: 05/27/2010 15:58

Run ID: FID_7_100527A

Prep Date: 05/27/2010 10:08

Units : mg/L

Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
--------	-----	--------	-----------	------	---------	---------	-----------	-------------	------

2.15	0.05	2.5	0	86	49	150			
0.189		0.15		126	57	147			

Sample Matrix Spike Duplicate

File ID: 7A05271014.D

Sample ID: 10052624-02AMSD

Analyte

TPH-E (DRO)

Surr: Nonane

Type MSD Test Code: EPA Method SW8015B / E

Batch ID: 24341

Analysis Date: 05/27/2010 16:24

Run ID: FID_7_100527A

Prep Date: 05/27/2010 10:08

Units : mg/L

Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
--------	-----	--------	-----------	------	---------	---------	-----------	-------------	------

2.69	0.05	2.5	0	108	49	150	2.154	22.3(38)	
0.138		0.15		92	57	147			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Method Blank

File ID: 2A05211098.D

Sample ID: MBLK-24345

Analyte

TPH-E (Fuel Product)

Surr: Nonane

Type MBLK

Test Code: EPA Method SW8015B / E

Batch ID: 24345

Analysis Date: 05/27/2010 17:31

Run ID: FID_2_100527A

Prep Date: 05/27/2010 13:35

Units : mg/L

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

ND

0.1

0.15

76

57

147

Laboratory Control Spike

File ID: 2A052110127.D

Sample ID: LCS-24345

Analyte

TPH-E (DRO)

Surr: Nonane

Type LCS

Test Code: EPA Method SW8015B / E

Batch ID: 24345

Analysis Date: 05/28/2010 12:27

Run ID: FID_2_100527A

Prep Date: 05/27/2010 13:35

Units : mg/L

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

3.1

0.05

2.5

124

67

130

0.088

0.15

59

57

147

Sample Matrix Spike

File ID: 2A052110118.D

Sample ID: 10052625-10AMS

Analyte

TPH-E (DRO)

Surr: Nonane

Type MS

Test Code: EPA Method SW8015B / E

Batch ID: 24345

Analysis Date: 05/28/2010 01:59

Run ID: FID_2_100527A

Prep Date: 05/27/2010 13:35

Units : mg/L

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

6.14

0.05

2.5

3.64

99.8

49

150

0.118

0.15

79

57

147

Sample Matrix Spike Duplicate

File ID: 2A052110119.D

Sample ID: 10052625-10AMSD

Analyte

TPH-E (DRO)

Surr: Nonane

Type MSD

Test Code: EPA Method SW8015B / E

Batch ID: 24345

Analysis Date: 05/28/2010 02:24

Run ID: FID_2_100527A

Prep Date: 05/27/2010 13:35

Units : mg/L

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

6.45

0.05

2.5

3.64

112

49

150

6.135

5.0(38)

0.099

0.15

66

57

147

Comments:

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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Method Blank

File ID: 10052708.D

Type MBLK Test Code: EPA Method SW8015

Batch ID: MS15W0527B

Analysis Date: 05/27/2010 11:02

Sample ID: MBLK MS15W0527B

Units : mg/L

Run ID: MSD_15_100527A

Prep Date: 05/27/2010 11:02

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00993		0.01		99	70	130			
Surr: Toluene-d8	0.0105		0.01		105	70	130			
Surr: 4-Bromofluorobenzene	0.00962		0.01		96	70	130			

Laboratory Control Spike

File ID: 10052704.D

Type LCS Test Code: EPA Method SW8015

Batch ID: MS15W0527B

Analysis Date: 05/27/2010 09:33

Sample ID: GLCS MS15W0527B

Units : mg/L

Run ID: MSD_15_100527A

Prep Date: 05/27/2010 09:33

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.399	0.05	0.4		99.9	70	130			
Surr: 1,2-Dichloroethane-d4	0.00987		0.01		99	70	130			
Surr: Toluene-d8	0.00993		0.01		99	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

Sample Matrix Spike

File ID: 10052711.D

Type MS Test Code: EPA Method SW8015

Batch ID: MS15W0527B

Analysis Date: 05/27/2010 12:09

Sample ID: 10052044-14AGS

Units : mg/L

Run ID: MSD_15_100527A

Prep Date: 05/27/2010 12:09

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.51	0.25	2	0.8301	84	58	135			
Surr: 1,2-Dichloroethane-d4	0.0503		0.05		101	70	130			
Surr: Toluene-d8	0.0499		0.05		99.7	70	130			
Surr: 4-Bromofluorobenzene	0.0486		0.05		97	70	130			

Sample Matrix Spike Duplicate

File ID: 10052712.D

Type MSD Test Code: EPA Method SW8015

Batch ID: MS15W0527B

Analysis Date: 05/27/2010 12:31

Sample ID: 10052044-14AGSD

Units : mg/L

Run ID: MSD_15_100527A

Prep Date: 05/27/2010 12:31

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.57	0.25	2	0.8301	87	58	135	2.509	2.3(20)	
Surr: 1,2-Dichloroethane-d4	0.0507		0.05		101	70	130			
Surr: Toluene-d8	0.0503		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0469		0.05		94	70	130			

Comments:

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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Method Blank

File ID: 10052807.D

Type MBLK Test Code: EPA Method SW8015

Batch ID: MS15W0528B

Analysis Date: 05/28/2010 10:18

Sample ID: MBLK MS15W0528B

Units : mg/L

Run ID: MSD_15_100528A

Prep Date: 05/28/2010 10:18

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00931		0.01		93	70	130			
Surr: Toluene-d8	0.0111		0.01		111	70	130			
Surr: 4-Bromofluorobenzene	0.0094		0.01		94	70	130			

Laboratory Control Spike

File ID: 10052804.D

Type LCS Test Code: EPA Method SW8015

Batch ID: MS15W0528B

Analysis Date: 05/28/2010 09:03

Sample ID: GLCS MS15W0528B

Units : mg/L

Run ID: MSD_15_100528A

Prep Date: 05/28/2010 09:03

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.416	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.00965		0.01		97	70	130			
Surr: Toluene-d8	0.0102		0.01		102	70	130			
Surr: 4-Bromofluorobenzene	0.0102		0.01		102	70	130			

Sample Matrix Spike

File ID: 10052810.D

Type MS Test Code: EPA Method SW8015

Batch ID: MS15W0528B

Analysis Date: 05/28/2010 11:25

Sample ID: 10052624-12AGS

Units : mg/L

Run ID: MSD_15_100528A

Prep Date: 05/28/2010 11:25

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.93	0.25	2	0	97	58	135			
Surr: 1,2-Dichloroethane-d4	0.0492		0.05		98	70	130			
Surr: Toluene-d8	0.0516		0.05		103	70	130			
Surr: 4-Bromofluorobenzene	0.05		0.05		100	70	130			

Sample Matrix Spike Duplicate

File ID: 10052811.D

Type MSD Test Code: EPA Method SW8015

Batch ID: MS15W0528B

Analysis Date: 05/28/2010 11:47

Sample ID: 10052624-12AGSD

Units : mg/L

Run ID: MSD_15_100528A

Prep Date: 05/28/2010 11:47

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.76	0.25	2	0	88	58	135	1.934	9.6(20)	
Surr: 1,2-Dichloroethane-d4	0.0496		0.05		99	70	130			
Surr: Toluene-d8	0.0525		0.05		105	70	130			
Surr: 4-Bromofluorobenzene	0.0491		0.05		98	70	130			

Comments:

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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

n-Butylbenzene	ND	1								
1,2-Dibromo-3-chloropropane (DBCP)	ND	5								
1,2,4-Trichlorobenzene	ND	2								
Naphthalene	ND	10								
1,2,3-Trichlorobenzene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.93		10		99	70	130			
Surr: Toluene-d8	10.5		10		105	70	130			
Surr: 4-Bromofluorobenzene	9.62		10		96	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **10052703.D**

Batch ID: **MS15W0527A**

Analysis Date: **05/27/2010 09:11**

Sample ID: **LCS MS15W0527A**

Units: **µg/L**

Run ID: **MSD_15_100527A**

Prep Date: **05/27/2010 09:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.1	1	10		111	80	120			
Methyl tert-butyl ether (MTBE)	9.14	0.5	10		91	62	136			
Benzene	10.8	0.5	10		108	70	130			
Trichloroethene	10.1	1	10		101	70	130			
Toluene	9.83	0.5	10		98	80	120			
Chlorobenzene	9.57	1	10		96	70	130			
Ethylbenzene	9.94	0.5	10		99	80	120			
m,p-Xylene	9.75	0.5	10		98	70	130			
o-Xylene	9.59	0.5	10		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.54		10		95	70	130			
Surr: Toluene-d8	9.79		10		98	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **10052709.D**

Batch ID: **MS15W0527A**

Analysis Date: **05/27/2010 11:24**

Sample ID: **10052106-01AMS**

Units: **µg/L**

Run ID: **MSD_15_100527A**

Prep Date: **05/27/2010 11:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44.6	2.5	50	0	89	60	130			
Methyl tert-butyl ether (MTBE)	274	1.3	50	242.8	63	56	141			
Benzene	46.7	1.3	50	0	93	67	130			
Trichloroethene	43.9	2.5	50	0	88	69	130			
Toluene	43.2	1.3	50	0	86	66	130			
Chlorobenzene	43	2.5	50	0	86	70	130			
Ethylbenzene	42.7	1.3	50	0	85	68	130			
m,p-Xylene	42.2	1.3	50	0	84	64	130			
o-Xylene	42.9	1.3	50	0	86	70	130			
Surr: 1,2-Dichloroethane-d4	49.4		50		99	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	50.8		50		102	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **10052710.D**

Batch ID: **MS15W0527A**

Analysis Date: **05/27/2010 11:47**

Sample ID: **10052106-01AMSD**

Units: **µg/L**

Run ID: **MSD_15_100527A**

Prep Date: **05/27/2010 11:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	47.1	2.5	50	0	94	60	130	44.64	5.3(20)	
Methyl tert-butyl ether (MTBE)	284	1.3	50	242.8	83	56	141	274	3.7(20)	
Benzene	48.8	1.3	50	0	98	67	130	46.71	4.4(20)	
Trichloroethene	45.6	2.5	50	0	91	69	130	43.87	3.8(20)	
Toluene	44.8	1.3	50	0	90	66	130	43.19	3.7(20)	
Chlorobenzene	44.6	2.5	50	0	89	70	130	42.96	3.8(20)	
Ethylbenzene	44.7	1.3	50	0	89	68	130	42.65	4.6(20)	
m,p-Xylene	43.8	1.3	50	0	88	64	130	42.18	3.8(20)	
o-Xylene	44.6	1.3	50	0	89	70	130	42.91	3.9(20)	
Surr: 1,2-Dichloroethane-d4	49		50		98	70	130			
Surr: Toluene-d8	48.2		50		96	70	130			
Surr: 4-Bromofluorobenzene	50.2		50		100	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Comments:
Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

n-Butylbenzene	ND	1								
1,2-Dibromo-3-chloropropane (DBCP)	ND	5								
1,2,4-Trichlorobenzene	ND	2								
Naphthalene	ND	10								
1,2,3-Trichlorobenzene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.31		10		93	70	130			
Surr: Toluene-d8	11.1		10		111	70	130			
Surr: 4-Bromofluorobenzene	9.4		10		94	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **10052803.D**

Batch ID: **MS15W0528A**

Analysis Date: **05/28/2010 08:41**

Sample ID: **LCS MS15W0528A**

Units: **µg/L**

Run ID: **MSD_15_100528A**

Prep Date: **05/28/2010 08:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11	1	10		110	80	120			
Methyl tert-butyl ether (MTBE)	8.08	0.5	10		81	62	136			
Benzene	10.3	0.5	10		103	70	130			
Trichloroethene	10.2	1	10		102	70	130			
Toluene	9.9	0.5	10		99	80	120			
Chlorobenzene	9.56	1	10		96	70	130			
Ethylbenzene	9.97	0.5	10		99.7	80	120			
m,p-Xylene	9.85	0.5	10		99	70	130			
o-Xylene	9.54	0.5	10		95	70	130			
Surr: 1,2-Dichloroethane-d4	8.73		10		87	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	10		10		100	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **10052808.D**

Batch ID: **MS15W0528A**

Analysis Date: **05/28/2010 10:41**

Sample ID: **10052624-12AMS**

Units: **µg/L**

Run ID: **MSD_15_100528A**

Prep Date: **05/28/2010 10:41**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44.8	2.5	50	0	90	60	130			
Methyl tert-butyl ether (MTBE)	45.3	1.3	50	0	91	56	141			
Benzene	46.4	1.3	50	0	93	67	130			
Trichloroethene	44.8	2.5	50	0	90	69	130			
Toluene	44	1.3	50	0	88	66	130			
Chlorobenzene	44.1	2.5	50	0	88	70	130			
Ethylbenzene	44.1	1.3	50	0	88	68	130			
m,p-Xylene	44	1.3	50	0	88	64	130			
o-Xylene	44	1.3	50	0	88	70	130			
Surr: 1,2-Dichloroethane-d4	48.1		50		96	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.8		50		99.7	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **10052809.D**

Batch ID: **MS15W0528A**

Analysis Date: **05/28/2010 11:03**

Sample ID: **10052624-12AMSD**

Units: **µg/L**

Run ID: **MSD_15_100528A**

Prep Date: **05/28/2010 11:03**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	43	2.5	50	0	86	60	130	44.83	4.3(20)	
Methyl tert-butyl ether (MTBE)	46.3	1.3	50	0	93	56	141	45.25	2.2(20)	
Benzene	46.9	1.3	50	0	94	67	130	46.39	1.0(20)	
Trichloroethene	44.1	2.5	50	0	88	69	130	44.75	1.4(20)	
Toluene	45.4	1.3	50	0	91	66	130	43.99	3.2(20)	
Chlorobenzene	45.2	2.5	50	0	90	70	130	44.12	2.4(20)	
Ethylbenzene	45.1	1.3	50	0	90	68	130	44.09	2.2(20)	
m,p-Xylene	44.3	1.3	50	0	89	64	130	44	0.7(20)	
o-Xylene	44	1.3	50	0	88	70	130	44.03	0.0(20)	
Surr: 1,2-Dichloroethane-d4	48		50		96	70	130			
Surr: Toluene-d8	50.4		50		101	70	130			
Surr: 4-Bromofluorobenzene	51.4		50		103	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-2010

QC Summary Report

Work Order:
10052624

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : GMTC10052624
Report Due By : 5:00 PM On : 07-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

Newport Beach, CA 92663-3627

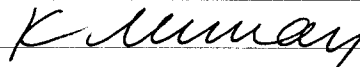
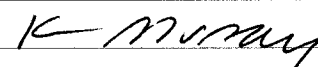
PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 26-May-10 27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Date	Alpha	Sub	TAT	Requested Tests						Sample Remarks		
							TPHE_W	TPH/P_W	VOC_W						
GMT10052624-01A	TB-1	AQ	05/24/10 07:00	2	0	7			TPHE(0.10)						Reno Trip Blanks 4/28/10
GMT10052624-02A	EB-1	AQ	05/24/10 15:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-03A	EB-2	AQ	05/24/10 15:05	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-04A	WCW-2	AQ	05/24/10 14:22	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-05A	WCW-12	AQ	05/24/10 13:55	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-06A	WCW-13	AQ	05/24/10 13:20	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-07A	WCW-6	AQ	05/24/10 14:33	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-08A	WCW-3	AQ	05/24/10 13:57	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-09A	EXP-4	AQ	05/24/10 13:08	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-10A	TB-2	AQ	05/25/10 07:00	2	0	7			TPHE(0.10)						Reno Trip Blanks 4/28/10

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from samples 01A & 10A, per email from Thandar.KM

Signature	Print Name	Company	Date/Time
		Alpha Analytical, Inc.	5/27/10 1359

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : GMTC10052624
Report Due By : 5:00 PM On : 07-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms


PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 26-May-10 27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHE_W	TPH/P_W	VOC_W						
GMT10052624-11A	EB-4	AQ	05/25/10 14:45	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-12A	GMW-0-5	AQ	05/25/10 13:52	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-13A	GMW-0-4	AQ	05/25/10 12:10	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-14A	GMW-0-4(MID)	AQ	05/25/10 11:40	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-15A	GMW-0-8	AQ	05/25/10 10:57	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-16A	GMW-0-1	AQ	05/25/10 10:24	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-17A	WCW-1	AQ	05/25/10 09:43	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-18A	WCW-5	AQ	05/25/10 09:03	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-19A	EXP-5	AQ	05/25/10 08:12	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10052624-20A	EXP-1	AQ	05/25/10 07:28	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from samples 01A & 10A, per email from Thandar.KM

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	5/27/10 1350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA **AMENDED** Page: 3 of 3

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052624
Report Due By : 5:00 PM On : 07-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
4 °C 26-May-10 27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks
				TPHE_W	TPH/P_W	VOC_W				
GMT10052624-21A	EXP-3	AQ 05/25/10 07:28	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-22A	EXP-2	AQ 05/25/10 08:07	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-23A	GMW-0-17	AQ 05/25/10 09:25	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-24A	WCW-14	AQ 05/25/10 08:47	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-25A	GMW-0-2	AQ 05/25/10 10:39	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-26A	GMW-0-3	AQ 05/25/10 11:41	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-27A	GMW-0-15	AQ 05/25/10 13:35	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-28A	EB-3	AQ 05/25/10 14:35	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-29A	GMW-0-18	AQ 05/25/10 12:29	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				
GMT10052624-30A	DUP-2	AQ 05/25/10 00:00	6 0 7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)				

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from samples 01A & 10A, per email from Thandar.KM

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	5/27/10 1350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052624

Report Due By : 5:00 PM On : 07-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :


Cooler Temp	Samples Received	Date Printed
4 °C	26-May-10	26-May-10

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
GMT10052624-01A	TB-1	AQ	05/24/10 07:00	2	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							Reno Trip Blanks 4/28/10
GMT10052624-02A	EB-1	AQ	05/24/10 15:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-03A	EB-2	AQ	05/24/10 15:05	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-04A	WCW-2	AQ	05/24/10 14:22	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-05A	WCW-12	AQ	05/24/10 13:55	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-06A	WCW-13	AQ	05/24/10 13:20	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-07A	WCW-6	AQ	05/24/10 14:33	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-08A	WCW-3	AQ	05/24/10 13:57	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-09A	EXP-4	AQ	05/24/10 13:08	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10052624-10A	TB-2	AQ	05/25/10 07:00	2	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							Reno Trip Blanks 4/28/10

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values.

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	5/26/10 1310

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

WorkOrder : GMTC10052624
Report Due By : 5:00 PM On : 07-Jun-10

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 26-May-10 26-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha	No. of Bottles Sub	TAT	Requested Tests			Sample Remarks
						TPHE_W	TPHP_W	VOC_W	
GMT10052624-11A	EB-4	AQ 05/25/10 14:45	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-12A	GMW-0-5	AQ 05/25/10 13:52	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-13A	GMW-0-4	AQ 05/25/10 12:10	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-14A	GMW-0-4(MID)	AQ 05/25/10 11:40	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-15A	GMW-0-8	AQ 05/25/10 10:57	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-16A	GMW-0-1	AQ 05/25/10 10:24	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-17A	WCW-1	AQ 05/25/10 09:43	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-18A	WCW-5	AQ 05/25/10 09:03	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-19A	EXP-5	AQ 05/25/10 08:12	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-20A	EXP-1	AQ 05/25/10 07:28	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values.

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	5/26/10 1310

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052624
Report Due By : 5:00 PM On : 07-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	EMail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

<u>Cooler Temp</u>	<u>Samples Received</u>	<u>Date Printed</u>
4 °C	26-May-10	26-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Date	Alpha	Sub	TAT	Requested Tests			Sample Remarks
							TPHE_W	TPH/P_W	VOC_W	
GMT10052624-21A	EXP-3	AQ	05/25/10 07:28	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-22A	EXP-2	AQ	05/25/10 08:07	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-23A	GMW-0-17	AQ	05/25/10 09:25	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-24A	WCW-14	AQ	05/25/10 08:47	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-25A	GMW-0-2	AQ	05/25/10 10:39	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-26A	GMW-0-3	AQ	05/25/10 11:41	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-27A	GMW-0-15	AQ	05/25/10 13:35	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-28A	EB-3	AQ	05/25/10 14:35	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-29A	GMW-0-18	AQ	05/25/10 12:29	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	
GMT10052624-30A	DUP-2	AQ	05/25/10 00:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)	

Comments: Security seals intact. Frozen ice. Logged in as separate workorder from chain with MNA analyses, per client notes. Logged in with standard TAT not 24 hr as listed on client chain, per email from Cody at BlaineTech. Analysts: Run two analyses in order : to achieve lower reporting limits for all other analytes due to high TBA values.

Signature	Print Name	Company	Date/Time
Logged in by: <i>K Murray</i>	<i>K Murray</i>	Alpha Analytical, Inc.	5/26/10 13:10

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

AMENDED

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk


15306 Norwalk Blvd, Norwalk


SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			AQ= Water	#	Preservation													Type
TB-1	5-24-10	0700	AQ	6	HCL	VOA	X	X										
EB-1		1500	AQ	6			X	X						2 voas rec'd				01
EB-2		1505	AQ	6			X	X										02
WCW-2		1422	AQ	6			X	X										03
WCW-12		1355	AQ	6			X	X										04
WCW-13		1320	AQ	6			X	X										05
WCW-6		1433	AQ	6			X	X										06
WCW-3		1357	AQ	6			X	X										07
EXP-4		1308	AQ	6			X	X										08
TB-2	5-25-10	0700	AQ	6			X	X						2 voas rec'd				09
							X	X										10


SAMPLING DATE: 5-25-10 TIME: 1445

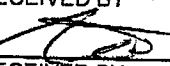
SAMPLING PERFORMED BY: T. RHYMES, P. HARNIS


RESULTS NEEDED NO LATER THAN: STANDARD 24HR TAT

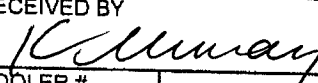
RELEASED BY: 

TIME: 1545 RECEIVED BY:  DATE: 5-25-10 TIME: 154

RELEASED BY: 

TIME: 1645 RECEIVED BY:  DATE: 5-25-10 TIME: 164

RELEASED BY: 

TIME: 1645 RECEIVED BY:  DATE: 5/26/10 TIME: 1210

SHIPPED VIA: _____ TIME SENT: _____ COOLER #: _____

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 43

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**
 SITE **DFSP Norwalk**
15306 Norwalk Blvd, Norwalk

AMENDED
 "Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation	Type												
TEB-4	5-25-10	1445	AQ	6	HCL	VOL	X	X										11
GMW-0-5		1352					X	X										12
GMW-0-4		1210					X	X										13
GMW-0-4(MD)		1140					X	X										14
GMW-0-8		1057					X	X										15
GMW-0-1		1024					X	X										16
WCW-1		0943					X	X										17
WCW-5		0903					X	X										18
EXP-5		0812					X	X										19
EXP-1		0728					X	X										20

SAMPLING COMPLETED DATE **5/25/10** TIME **1445** SAMPLING PERFORMED BY **Patrick Harris, T. RHYMES**

RESULTS NEEDED **STANDARD**
 NO LATER THAN **24HR TAT**

RELEASED BY	TIME 1545	RECEIVED BY	DATE 5-25-10	TIME 1545
RELEASED BY	TIME 1645	RECEIVED BY	DATE 5-25-10	TIME 1641
RELEASED BY	TIME 1645	RECEIVED BY K Murray	DATE 5/26/10	TIME 1210
SHIPPED VIA	TIME SENT	COOLER #		

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 3 of 43

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

AMENDED

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)									ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
				#	Preservation															Type
EXP-3	5-25-10	0728	AQ	6	HCL	VDA	X	X												21
EXP-2		0807		6			X	X												22
GMW-0-17		0925		6			X	X												23
WCW-14		0847		6			X	X												24
GMW-0-2		1039		6			X	X												25
GMW-0-3		1141		6			X	X												26
GMW-0-15		1335		6			X	X												27
EB-3		1435		6			X	X												28
GMW-0-18		1229		6			X	X												29
DUP-2				6			X	X												30

SAMPLING COMPLETED DATE: 5-25-10 TIME: 1445

SAMPLING PERFORMED BY: T. RHYMES, P. KRAMS

RESULTS NEEDED: STANDARD NO LATER THAN 24HR TAT

RELEASED BY:	TIME: 1545	RECEIVED BY:	DATE: 5-25-10	TIME: 1545
RELEASED BY:	TIME: 1645	RECEIVED BY:	DATE: 5-25-10	TIME: 1645
RELEASED BY:	TIME: 1645	RECEIVED BY:	DATE: 5/26/10	TIME: 1210

SHIPPED VIA: _____ TIME SENT: _____ COOLER #: _____

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

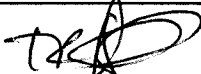
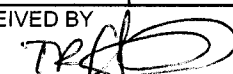
CHAIN OF CUSTODY

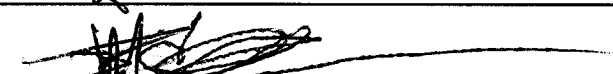
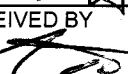
CLIENT
 Kinder Morgan


SITE
 DFSP Norwalk
 15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)						ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			AQ= Water	#	Preservation												Type
TB-1	5-24-10	0700	AQ	6	HCL	VOA	X	X									2 voas rec'd 01
EB-1		1500	AQ	6			X	X									02
EB-2		1505	AQ	6			X	X									03
WCW-2		1422	AQ	6			X	X									04
WCW-12		1355	AQ	6			X	X									05
WCW-13		1320	AQ	6			Y	X									06
WCW-4		1433	AQ	6			X	X									07
WCW-3		1357	AQ	6			X	X									08
EXP-4		1308	AQ	6			Y	X									09
TB-2	5-25-10	0700	AQ	6			X	Y									2 voas rec'd 10

SAMPLING COMPLETED DATE 5-25-10 TIME 1445 SAMPLING PERFORMED BY T. RHYMES, P. HARMS RESULTS NEEDED NO LATER THAN 24HR TAT

RELEASED BY  TIME 1545 RECEIVED BY  DATE 5-25-10 TIME 1545

RELEASED BY  TIME 1645 RECEIVED BY  DATE 5-25-10 TIME 1645

RELEASED BY  TIME 1645 RECEIVED BY KUMMAY DATE 5/26/10 TIME 1210

SHIPPED VIA TIME SENT COOLER #

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 43

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

CHAIN OF CUSTODY

CLIENT
 Kinder Morgan

SITE
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AG= Water	#	Preservation	Type												
EB-4	5-25-10	1445	AQ	6	HCL	VOA	X	X										11
GMW-0-5		1352					X	X										12
GMW-0-4		1210					X	X										13
GMW-0-4(MD)		1140					X	X										14
GMW-0-8		1057					X	X										15
GMW-0-1		1024					X	X										16
WCW-1		0943					X	X										17
WCW-5		0903					X	X										18
EXP-5		0812					X	X										19
EXP-1		0728					X	X										20

SAMPLING COMPLETED DATE 5/25/10 TIME 1445 SAMPLING PERFORMED BY Patrick Harris, TIRHYNES RESULTS NEEDED NO LATER THAN 24HR TAT

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5-25-10 TIME 1545

RELEASED BY [Signature] TIME 1645 RECEIVED BY [Signature] DATE 5-25-10 TIME 1645

RELEASED BY [Signature] TIME 1645 RECEIVED BY K. Murray DATE 5/26/10 TIME 1210

SHIPPED VIA TIME SENT COOLER #

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 3 of 43 *rw*

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

GMT10052624

CHAIN OF CUSTODY

CLIENT
 Kinder Morgan

SITE
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			AG= Water	#	Preservation	Type												
EXP-3	5-25-10	0723	AQ	6	HCL	VDA	X	X										21
EXP-2		0807		6			X	X										22
GMW-0-17		0925		6			X	X										23
WCW-14		0847		6			X	X										24
GMW-0-2		1039		6			X	X										25
GMW-0-3		1141		6			X	X										26
GMW-0-15		1335		6			X	X										27
EB-3		1435		6			X	X										28
GMW-0-18		1229		6			X	X										29
DUP-2				6			X	X										30

SAMPLING COMPLETED DATE: 5-25-10 TIME: 1445
 SAMPLING PERFORMED BY: T. RHYMES, P. HARMS
 RESULTS NEEDED NO LATER THAN: 24HR TAT

RELEASED BY: *[Signature]* TIME: 1545 RECEIVED BY: *[Signature]* DATE: 5-25-10 TIME: 1545

RELEASED BY: *[Signature]* TIME: 1645 RECEIVED BY: *[Signature]* DATE: 5-25-10 TIME: 1645

RELEASED BY: *[Signature]* TIME: 1645 RECEIVED BY: *[Signature]* DATE: 5/26/10 TIME: 1210

SHIPPED VIA: TIME SENT: COOLER #:



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/27/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	GMW-SF-8				
Lab ID :	GMT10052726-01A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 08:14	Surr: Nonane	106	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	101	(70-130) %REC	05/29/10
Client ID :	GMW-37				
Lab ID :	GMT10052726-02A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 08:51	Surr: Nonane	104	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	05/29/10
		Surr: Toluene-d8	106	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	99	(70-130) %REC	05/29/10
Client ID :	PW-1				
Lab ID :	GMT10052726-03A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 09:22	Surr: Nonane	103	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	05/29/10
		Surr: Toluene-d8	109	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	95	(70-130) %REC	05/29/10
Client ID :	GMW-O-6				
Lab ID :	GMT10052726-04A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 10:01	Surr: Nonane	113	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/29/10
		Surr: Toluene-d8	109	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/29/10
Client ID :	HL-2				
Lab ID :	GMT10052726-05A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 10:41	Surr: Nonane	112	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	05/29/10
Client ID :	PW-3				
Lab ID :	GMT10052726-06A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40
Date Sampled	05/26/10 11:24	Surr: Nonane	93	(57-147) %REC	05/28/10 12:40
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/29/10
		Surr: Toluene-d8	108	(70-130) %REC	05/29/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	05/29/10



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Client ID : GMW-3						
Lab ID :	GMT10052726-07A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40	05/29/10
Date Sampled	05/26/10 12:06	Surr: Nonane	110	(57-147) %REC	05/28/10 12:40	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/29/10	05/29/10
Client ID : GMW-38						
Lab ID :	GMT10052726-08A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 12:40	05/29/10
Date Sampled	05/26/10 13:18	Surr: Nonane	112	(57-147) %REC	05/28/10 12:40	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	108	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	05/29/10	05/29/10
Client ID : MW-19(MID)						
Lab ID :	GMT10052726-09A	TPH-E (Fuel Product)	0.12 *	0.10 mg/L	05/28/10 12:40	05/29/10
Date Sampled	05/26/10 13:55	Surr: Nonane	102	(57-147) %REC	05/28/10 12:40	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/29/10	05/29/10
Client ID : MW-7						
Lab ID :	GMT10052726-10A	TPH-E (Fuel Product)	0.11 *	0.10 mg/L	05/28/10 12:40	05/29/10
Date Sampled	05/26/10 14:35	Surr: Nonane	103	(57-147) %REC	05/28/10 12:40	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	05/29/10	05/29/10
Client ID : MW-21(MID)						
Lab ID :	GMT10052726-12A	TPH-E (Fuel Product)	0.42 *	0.10 mg/L	05/28/10 12:40	05/29/10
Date Sampled	05/26/10 14:01	Surr: Nonane	109	(57-147) %REC	05/28/10 12:40	05/29/10
		TPH-P (GRO)	ND O	0.10 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	108	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	06/01/10	06/01/10
Client ID : EB-5						
Lab ID :	GMT10052726-13A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 14:45	Surr: Nonane	106	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	106	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	06/01/10	06/01/10
Client ID : GMW-O-16						
Lab ID :	GMT10052726-14A	TPH-E (Fuel Product)	0.12 *	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 13:22	Surr: Nonane	111	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	106	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	06/01/10	06/01/10
Client ID : GMW-2						
Lab ID :	GMT10052726-15A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 12:20	Surr: Nonane	94	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	107	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	06/01/10	06/01/10



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Client ID :	MW-12					
Lab ID :	GMT10052726-16A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 11:31	Surr: Nonane	111	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	06/01/10	06/01/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/01/10	06/01/10
		Surr: Toluene-d8	106	(70-130) %REC	06/01/10	06/01/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	06/01/10	06/01/10
Client ID :	GMW-8					
Lab ID :	GMT10052726-17A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 10:51	Surr: Nonane	99	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	108	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	05/29/10	05/29/10
Client ID :	GMW-O-9					
Lab ID :	GMT10052726-18A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 10:13	Surr: Nonane	106	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	107	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	05/29/10	05/29/10
Client ID :	GMW-O-19					
Lab ID :	GMT10052726-19A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 09:29	Surr: Nonane	108	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	109	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	05/29/10	05/29/10
Client ID :	GMW-13					
Lab ID :	GMT10052726-20A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 08:49	Surr: Nonane	109	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	104	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	05/29/10	05/29/10
Client ID :	EB-6					
Lab ID :	GMT10052726-21A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 14:55	Surr: Nonane	104	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	113	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	05/29/10	05/29/10
Client ID :	GMW-SF-7					
Lab ID :	GMT10052726-22A	TPH-E (Fuel Product)	ND	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/26/10 08:11	Surr: Nonane	107	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	ND	0.050 mg/L	05/29/10	05/29/10
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	05/29/10	05/29/10
		Surr: Toluene-d8	108	(70-130) %REC	05/29/10	05/29/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	05/29/10	05/29/10



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*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

O = Reporting Limits were increased due to sample foaming.

This replaces the report originally signed 6/7/10, due to a change in the Client I.D. for sample 12A, due to lab error.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/15/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-01A
Client I.D. Number: GMW-SF-8

Sampled: 05/26/10 08:14
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	2.2	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	101	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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6/7/10

Report Date

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-02A
Client I.D. Number: GMW-37

Sampled: 05/26/10 08:51
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	99	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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[Signature]

6/7/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-03A
Client I.D. Number: PW-1

Sampled: 05/26/10 09:22
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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PS
6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-04A
Client I.D. Number: GMW-O-6

Sampled: 05/26/10 10:01
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMFP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-05A
Client I.D. Number: HL-2

Sampled: 05/26/10 10:41
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/7/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-06A
Client I.D. Number: PW-3

Sampled: 05/26/10 11:24
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	1.3	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-07A
Client I.D. Number: GMW-3

Sampled: 05/26/10 12:06
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Page 1 of 1



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-08A
Client I.D. Number: GMW-38

Sampled: 05/26/10 13:18
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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YAG
6/7/10

Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-09A
Client I.D. Number: MW-19(MID)

Sampled: 05/26/10 13:55
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	12	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	3.1	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-10A
Client I.D. Number: MW-7

Sampled: 05/26/10 14:35
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	5.5	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	0.87	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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PS

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Report Date



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ANALYTICAL REPORT

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510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-11A
Client I.D. Number: TB-3

Sampled: 05/26/10 07:00
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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6/7/10

Report Date

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Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-12A
Client I.D. Number: MW-21(MID)

Sampled: 05/26/10 14:01
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.5	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	3.2	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	2.9	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

Some Reporting Limits were increased due to sample foaming.

This replaces the report originally signed 6/7/10, due to a change in the Client I.D., due to lab error.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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6/15/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMFP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-13A
Client I.D. Number: EB-5

Sampled: 05/26/10 14:45
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/7/10

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-14A
Client I.D. Number: GMW-O-16

Sampled: 05/26/10 13:22
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethane	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.88	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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6/7/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-15A
Client I.D. Number: GMW-2

Sampled: 05/26/10 12:20
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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PG
6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-16A
Client I.D. Number: MW-12

Sampled: 05/26/10 11:31
Received: 05/27/10
Extracted: 06/01/10
Analyzed: 06/01/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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PS

6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-17A
Client I.D. Number: GMW-8

Sampled: 05/26/10 10:51
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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VJG
6/7/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-18A
Client I.D. Number: GMW-O-9

Sampled: 05/26/10 10:13
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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YBY

6/7/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-19A
Client I.D. Number: GMW-O-19

Sampled: 05/26/10 09:29
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/7/10

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Page 1 of 1



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-20A
Client I.D. Number: GMW-13

Sampled: 05/26/10 08:49
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethane	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

[Signature]
6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-21A
Client I.D. Number: EB-6

Sampled: 05/26/10 14:55
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	113	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	98	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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AS
6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052726-22A
Client I.D. Number: GMW-SF-7

Sampled: 05/26/10 08:11
Received: 05/27/10
Extracted: 05/29/10
Analyzed: 05/29/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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[Signature]

6/7/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: GMT10052726

Job: KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10052726-01A	GMW-SF-8	Aqueous	2
10052726-02A	GMW-37	Aqueous	2
10052726-03A	PW-1	Aqueous	2
10052726-04A	GMW-O-6	Aqueous	2
10052726-05A	HL-2	Aqueous	2
10052726-06A	PW-3	Aqueous	2
10052726-07A	GMW-3	Aqueous	2
10052726-08A	GMW-38	Aqueous	2
10052726-09A	MW-19(MID)	Aqueous	2
10052726-10A	MW-7	Aqueous	2
10052726-11A	TB-3	Aqueous	2
10052726-12A	MW-21(MID)	Aqueous	2
10052726-13A	EB-5	Aqueous	2
10052726-14A	GMW-O-16	Aqueous	2
10052726-15A	GMW-2	Aqueous	2
10052726-16A	MW-12	Aqueous	2
10052726-17A	GMW-8	Aqueous	5
10052726-18A	GMW-O-9	Aqueous	2
10052726-19A	GMW-O-19	Aqueous	2
10052726-20A	GMW-13	Aqueous	2
10052726-21A	EB-6	Aqueous	2
10052726-22A	GMW-SF-7	Aqueous	2

This replaces the pH report issued 6/7/10 due to a change in the Client ID. for sample 12A due to lab error.

6/15/10
Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281006.D**

Batch ID: **24354**

Analysis Date: **05/28/2010 15:35**

Sample ID: **MBLK-24354**

Units : **mg/L**

Run ID: **FID_1_100528B**

Prep Date: **05/28/2010 12:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	0.163		0.15		109	57	147			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID:

Batch ID: **24354**

Analysis Date: **05/28/2010 16:01**

Sample ID: **LCS-24354**

Units : **mg/L**

Run ID: **FID_1_100528B**

Prep Date: **05/28/2010 12:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.53	0.5	2.5		101	67	130			
Surr: Nonane	0.159		0.15		106	57	147			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281009.D**

Batch ID: **24354**

Analysis Date: **05/28/2010 16:52**

Sample ID: **10052723-11AMS**

Units : **mg/L**

Run ID: **FID_1_100528B**

Prep Date: **05/28/2010 12:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.38	0.05	2.5	0	95	49	150			
Surr: Nonane	0.144		0.15		96	57	147			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281010.D**

Batch ID: **24354**

Analysis Date: **05/28/2010 17:17**

Sample ID: **10052723-11AMSD**

Units : **mg/L**

Run ID: **FID_1_100528B**

Prep Date: **05/28/2010 12:40**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.31	0.05	2.5	0	92	49	150	2.38	3.2(38)	
Surr: Nonane	0.155		0.15		103	57	147			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281038.D**

Batch ID: **24355**

Analysis Date: **05/29/2010 05:05**

Sample ID: **MBLK-24355**

Units : **mg/L**

Run ID: **FID_1_100528A**

Prep Date: **05/28/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	0.156		0.15		104	57	147			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281039.D**

Batch ID: **24355**

Analysis Date: **05/29/2010 05:30**

Sample ID: **LCS-24355**

Units : **mg/L**

Run ID: **FID_1_100528A**

Prep Date: **05/28/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.62	0.05	2.5		105	67	130			
Surr: Nonane	0.155		0.15		103	57	147			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281041.D**

Batch ID: **24355**

Analysis Date: **05/29/2010 06:20**

Sample ID: **10052726-13AMS**

Units : **mg/L**

Run ID: **FID_1_100528A**

Prep Date: **05/28/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.42	0.05	2.5	0	97	49	150			
Surr: Nonane	0.108		0.15		72	57	147			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B / E**

File ID: **1A05281042.D**

Batch ID: **24355**

Analysis Date: **05/29/2010 06:46**

Sample ID: **10052726-13AMSD**

Units : **mg/L**

Run ID: **FID_1_100528A**

Prep Date: **05/28/2010 13:43**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.37	0.05	2.5	0	95	49	150	2.422	2.1(38)	
Surr: Nonane	0.093		0.15		62	57	147			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

Method Blank

File ID: 10052841.D

Type **MBLK** Test Code: **EPA Method SW8015**

Batch ID: **MS15W0528D**

Analysis Date: **05/28/2010 22:56**

Sample ID: **MBLK MS15W0528D**

Units : **mg/L**

Run ID: **MSD_15_100528B**

Prep Date: **05/28/2010 22:56**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00934		0.01		93	70	130			
Surr: Toluene-d8	0.0114		0.01		114	70	130			
Surr: 4-Bromofluorobenzene	0.0097		0.01		97	70	130			

Laboratory Control Spike

File ID: 10052837.D

Type **LCS** Test Code: **EPA Method SW8015**

Batch ID: **MS15W0528D**

Analysis Date: **05/28/2010 21:26**

Sample ID: **GLCS MS15W0528D**

Units : **mg/L**

Run ID: **MSD_15_100528B**

Prep Date: **05/28/2010 21:26**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.388	0.05	0.4		97	70	130			
Surr: 1,2-Dichloroethane-d4	0.0099		0.01		99	70	130			
Surr: Toluene-d8	0.0104		0.01		104	70	130			
Surr: 4-Bromofluorobenzene	0.00994		0.01		99	70	130			

Sample Matrix Spike

File ID: 10052844.D

Type **MS** Test Code: **EPA Method SW8015**

Batch ID: **MS15W0528D**

Analysis Date: **05/29/2010 00:02**

Sample ID: **10052726-01AGS**

Units : **mg/L**

Run ID: **MSD_15_100528B**

Prep Date: **05/29/2010 00:02**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.87	0.25	2	0	94	58	135			
Surr: 1,2-Dichloroethane-d4	0.05		0.05		100	70	130			
Surr: Toluene-d8	0.0524		0.05		105	70	130			
Surr: 4-Bromofluorobenzene	0.0493		0.05		99	70	130			

Sample Matrix Spike Duplicate

File ID: 10052845.D

Type **MSD** Test Code: **EPA Method SW8015**

Batch ID: **MS15W0528D**

Analysis Date: **05/29/2010 00:24**

Sample ID: **10052726-01AGSD**

Units : **mg/L**

Run ID: **MSD_15_100528B**

Prep Date: **05/29/2010 00:24**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.97	0.25	2	0	98	58	135	1.872	5.0(20)	
Surr: 1,2-Dichloroethane-d4	0.0492		0.05		98	70	130			
Surr: Toluene-d8	0.0527		0.05		105	70	130			
Surr: 4-Bromofluorobenzene	0.0505		0.05		101	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

Method Blank

File ID: 10060106.D

Sample ID: MBLK MS15W0601B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00921		0.01		92	70	130			
Surr: Toluene-d8	0.0106		0.01		106	70	130			
Surr: 4-Bromofluorobenzene	0.00927		0.01		93	70	130			

Laboratory Control Spike

File ID: 10060104.D

Sample ID: GLCS MS150601B

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.411	0.05	0.4		103	70	130			
Surr: 1,2-Dichloroethane-d4	0.00959		0.01		96	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00958		0.01		96	70	130			

Sample Matrix Spike

File ID: 10060116.D

Sample ID: 10052726-14AGS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.11	0.25	2	0	105	58	135			
Surr: 1,2-Dichloroethane-d4	0.0497		0.05		99	70	130			
Surr: Toluene-d8	0.0503		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0478		0.05		96	70	130			

Sample Matrix Spike Duplicate

File ID: 10060117.D

Sample ID: 10052726-14AGSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.12	0.25	2	0	106	58	135	2.11	0.3(20)	
Surr: 1,2-Dichloroethane-d4	0.0494		0.05		99	70	130			
Surr: Toluene-d8	0.0496		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0494		0.05		99	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Surr: 1,2-Dichloroethane-d4	9.34	10	93	70	130	
Surr: Toluene-d8	11.4	10	114	70	130	
Surr: 4-Bromofluorobenzene	9.7	10	97	70	130	

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: 10052835.D

Batch ID: MS15W0528C

Analysis Date: 05/28/2010 20:42

Sample ID: LCS MS15W0528C

Units: µg/L

Run ID: MSD_15_100528B

Prep Date: 05/28/2010 20:42

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.7	1	10		107	80	120			
Methyl tert-butyl ether (MTBE)	10.2	0.5	10		102	62	136			
Benzene	10.5	0.5	10		105	70	130			
Trichloroethene	10.6	1	10		106	70	130			
Toluene	10.3	0.5	10		103	80	120			
Chlorobenzene	10.1	1	10		101	70	130			
Ethylbenzene	10	0.5	10		100	80	120			
m,p-Xylene	9.93	0.5	10		99	70	130			
o-Xylene	9.75	0.5	10		98	70	130			
Surr: 1,2-Dichloroethane-d4	9.74		10		97	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.88		10		99	70	130			

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8260B

File ID: 10052842.D

Batch ID: MS15W0528C

Analysis Date: 05/28/2010 23:18

Sample ID: 10052726-01AMS

Units: µg/L

Run ID: MSD_15_100528B

Prep Date: 05/28/2010 23:18

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.1	2.5	50	0	90	60	130			
Methyl tert-butyl ether (MTBE)	45	1.3	50	0	90	56	141			
Benzene	46.3	1.3	50	0	93	67	130			
Trichloroethene	45.2	2.5	50	0	90	69	130			
Toluene	44.4	1.3	50	0	89	66	130			
Chlorobenzene	43.7	2.5	50	0	87	70	130			
Ethylbenzene	44	1.3	50	0	88	68	130			
m,p-Xylene	43.2	1.3	50	0	86	64	130			
o-Xylene	42.8	1.3	50	0	86	70	130			
Surr: 1,2-Dichloroethane-d4	48.2		50		96	70	130			
Surr: Toluene-d8	48.9		50		98	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: 10052843.D

Batch ID: MS15W0528C

Analysis Date: 05/28/2010 23:40

Sample ID: 10052726-01AMSD

Units: µg/L

Run ID: MSD_15_100528B

Prep Date: 05/28/2010 23:40

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.1	2.5	50	0	100	60	130	45.14	10.4(20)	
Methyl tert-butyl ether (MTBE)	48.9	1.3	50	0	98	56	141	44.97	8.3(20)	
Benzene	50.7	1.3	50	0	101	67	130	46.26	9.2(20)	
Trichloroethene	49.7	2.5	50	0	99	69	130	45.15	9.6(20)	
Toluene	49.1	1.3	50	0	98	66	130	44.44	10.0(20)	
Chlorobenzene	48.4	2.5	50	0	97	70	130	43.73	10.1(20)	
Ethylbenzene	49.3	1.3	50	0	99	68	130	44.03	11.2(20)	
m,p-Xylene	48.1	1.3	50	0	96	64	130	43.21	10.7(20)	
o-Xylene	47.3	1.3	50	0	95	70	130	42.77	10.0(20)	
Surr: 1,2-Dichloroethane-d4	49.2		50		98	70	130			
Surr: Toluene-d8	49.8		50		99.5	70	130			
Surr: 4-Bromofluorobenzene	48.8		50		98	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
02-Jun-10

QC Summary Report

Work Order:
10052726

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Surr: 1,2-Dichloroethane-d4	9.21	10	92	70	130	
Surr: Toluene-d8	10.6	10	106	70	130	
Surr: 4-Bromofluorobenzene	9.27	10	93	70	130	

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: 10060103.D

Batch ID: MS15W0601A

Analysis Date: 06/01/2010 07:59

Sample ID: LCS MS150601A

Units: µg/L

Run ID: MSD_15_100601C

Prep Date: 06/01/2010 07:59

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11	1	10		110	80	120			
Methyl tert-butyl ether (MTBE)	6.36	0.5	10		64	62	136			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	10.2	1	10		102	70	130			
Toluene	9.56	0.5	10		96	80	120			
Chlorobenzene	9.53	1	10		95	70	130			
Ethylbenzene	9.62	0.5	10		96	80	120			
m,p-Xylene	9.66	0.5	10		97	70	130			
o-Xylene	9.55	0.5	10		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.14	10	10		91	70	130			
Surr: Toluene-d8	9.7	10	10		97	70	130			
Surr: 4-Bromofluorobenzene	9.74	10	10		97	70	130			

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8260B

File ID: 10060114.D

Batch ID: MS15W0601A

Analysis Date: 06/01/2010 12:12

Sample ID: 10052726-14AMS

Units: µg/L

Run ID: MSD_15_100601C

Prep Date: 06/01/2010 12:12

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.3	2.5	50	0	103	60	130			
Methyl tert-butyl ether (MTBE)	40	1.3	50	0.88	78	56	141			
Benzene	50.6	1.3	50	0	101	67	130			
Trichloroethene	50.2	2.5	50	0	100	69	130			
Toluene	47.8	1.3	50	0	96	66	130			
Chlorobenzene	48.7	2.5	50	0	97	70	130			
Ethylbenzene	49	1.3	50	0	98	68	130			
m,p-Xylene	49.5	1.3	50	0	99	64	130			
o-Xylene	48.5	1.3	50	0	97	70	130			
Surr: 1,2-Dichloroethane-d4	47.4	50	50		95	70	130			
Surr: Toluene-d8	48.7	50	50		97	70	130			
Surr: 4-Bromofluorobenzene	49.3	50	50		99	70	130			

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: 10060115.D

Batch ID: MS15W0601A

Analysis Date: 06/01/2010 12:34

Sample ID: 10052726-14AMSD

Units: µg/L

Run ID: MSD_15_100601C

Prep Date: 06/01/2010 12:34

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	49.8	2.5	50	0	99.5	60	130	51.32	3.1(20)	
Methyl tert-butyl ether (MTBE)	41.5	1.3	50	0.88	81	56	141	39.99	3.8(20)	
Benzene	49.3	1.3	50	0	99	67	130	50.6	2.6(20)	
Trichloroethene	48.6	2.5	50	0	97	69	130	50.16	3.2(20)	
Toluene	46.9	1.3	50	0	94	66	130	47.78	1.9(20)	
Chlorobenzene	47.5	2.5	50	0	95	70	130	48.73	2.5(20)	
Ethylbenzene	47.7	1.3	50	0	95	68	130	48.95	2.7(20)	
m,p-Xylene	47.7	1.3	50	0	95	64	130	49.51	3.7(20)	
o-Xylene	47.1	1.3	50	0	94	70	130	48.48	2.9(20)	
Surr: 1,2-Dichloroethane-d4	47.8	50	50		96	70	130			
Surr: Toluene-d8	47.6	50	50		95	70	130			
Surr: 4-Bromofluorobenzene	48.4	50	50		97	70	130			

Billing Information :

CHAIN-OF-CUSTODY RECORD

AMENDED
CA Page: 1 of 3
#2

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	15-Jun-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests			Sample Remarks
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W	
GMT10052726-01A	GMW-SF-8	AQ	05/26/10 08:14	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-02A	GMW-37	AQ	05/26/10 08:51	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-03A	PW-1	AQ	05/26/10 09:22	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-04A	GMW-O-6	AQ	05/26/10 10:01	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-05A	HL-2	AQ	05/26/10 10:41	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-06A	PW-3	AQ	05/26/10 11:24	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-07A	GMW-3	AQ	05/26/10 12:06	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-08A	GMW-38	AQ	05/26/10 13:18	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM : Amended #2 6/15/10 11:30 to correct sample ID for 12A, due to login error.KM

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	6/15/10 1130

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

Page: 2 of 3
#2

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	15-Jun-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests			Sample Remarks
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W	
GMT10052726-09A	MW-19(MID)	AQ	05/26/10 13:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-10A	MW-7	AQ	05/26/10 14:35	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-11A	TB-3	AQ	05/26/10 07:00	2	0	7			TPHE(0.10) +Vinyl acetate	Reno Trip Blanks 4/28/10
GMT10052726-12A	MW-21(MID)	AQ	05/26/10 14:01	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-13A	EB-5	AQ	05/26/10 14:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-14A	GMW-O-16	AQ	05/26/10 13:22	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-15A	GMW-2	AQ	05/26/10 12:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052726-16A	MW-12	AQ	05/26/10 11:31	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM : Amended #2 6/15/10 11:30 to correct sample ID for 12A, due to login error.KM

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	6/15/10 1130

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA ^{#2} AMENDED
Page: 3 of 3

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp 4 °C Samples Received 27-May-10 Date Printed 15-Jun-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests			Sample Remarks
				Alpha	Sub	TAT	TPHE_W	TPH_P_W	VOC_W	
GMT10052726-17A	GMW-8	AQ	05/26/10 10:51	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052726-18A	GMW-O-9	AQ	05/26/10 10:13	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052726-19A	GMW-O-19	AQ	05/26/10 09:29	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052726-20A	GMW-13	AQ	05/26/10 08:49	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052726-21A	EB-6	AQ	05/26/10 14:55	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052726-22A	GMW-SF-7	AQ	05/26/10 08:11	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM : Amended #2 6/15/10 11:30 to correct sample ID for 12A, due to login error.KM

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	6/15/10 1130

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726

Report Due By : 5:00 PM On : 08-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	E Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	27-May-10

Client's COC # : none

Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks
				TPHE_W	TPHP_W	VOC_W				
GMT10052726-01A	GMW-SF-8	AQ 05/26/10 08:14	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-02A	GMW-37	AQ 05/26/10 08:51	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-03A	PW-1	AQ 05/26/10 09:22	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-04A	GMW-0-6	AQ 05/26/10 10:01	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-05A	HL-2	AQ 05/26/10 10:41	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-06A	PW-3	AQ 05/26/10 11:24	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-07A	GMW-3	AQ 05/26/10 12:06	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				
GMT10052726-08A	GMW-38	AQ 05/26/10 13:18	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate				

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	5/27/10 1350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

AMENDED

CHAIN-OF-CUSTODY RECORD

CA

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention	Phone Number	Email Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
GMT10052726-09A	MW-19(MID)	AQ	05/26/10 13:55	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-10A	MW-7	AQ	05/26/10 14:35	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-11A	TB-3	AQ	05/26/10 07:00	2	0	7			TPHE(0.10)+Vinyl acetate							Reno Trip Blanks 4/28/10
GMT10052726-12A	MW-2(MID)	AQ	05/26/10 14:01	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-13A	EB-5	AQ	05/26/10 14:45	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-14A	GMW-0-16	AQ	05/26/10 13:22	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-15A	GMW-2	AQ	05/26/10 12:20	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							
GMT10052726-16A	MW-12	AQ	05/26/10 11:31	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate							

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	5/27/10 1350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726

Report Due By : 5:00 PM On : 08-Jun-10

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	Email Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :

Client's COC # : none

Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
GMT10052726-17A	GMW-8	AQ	05/26/10 10:51	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-18A	GMW-0-9	AQ	05/26/10 10:13	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-19A	GMW-0-19	AQ	05/26/10 09:29	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-20A	GMW-13	AQ	05/26/10 08:49	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-21A	EB-6	AQ	05/26/10 14:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-22A	GMW-SF-7	AQ	05/26/10 08:11	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. Amended 5/27/10 13:50 to cancel TPH analyses from sample 11A, per email from Thandar.KM :

Signature	Print Name	Company	Date/Time
<i>K Murray</i>	K Murray	Alpha Analytical, Inc.	5/27/10 1350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	E-Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms



PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	27-May-10	27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles Alpha Sub TAT			Requested Tests						Sample Remarks		
							TPHE_W	TPHP_W	VOC_W						
GMT10052726-01A	GMW-SF-8	AQ	05/26/10 08:14	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-02A	GMW-37	AQ	05/26/10 08:51	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-03A	PW-1	AQ	05/26/10 09:22	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-04A	GMW-0-6	AQ	05/26/10 10:01	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-05A	HL-2	AQ	05/26/10 10:41	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-06A	PW-3	AQ	05/26/10 11:24	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-07A	GMW-3	AQ	05/26/10 12:06	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-08A	GMW-38	AQ	05/26/10 13:18	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

	Signature	Print Name	Company	Date/Time
Logged in by:			Alpha Analytical, Inc.	5/27/10 1220

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726

Report Due By : 5:00 PM On : 08-Jun-10

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention	Phone Number	E Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

Newport Beach, CA 92663-3627

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp 4 °C
Samples Received 27-May-10
Date Printed 27-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W							
GMT10052726-09A	MW-19(MID)	AQ	05/26/10 13:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-10A	MW-7	AQ	05/26/10 14:35	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-11A	TB-3	AQ	05/26/10 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							Reno Trip Blanks 4/28/10
GMT10052726-12A	MW-2(MID)	AQ	05/26/10 14:01	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-13A	EB-5	AQ	05/26/10 14:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-14A	GMW-0-16	AQ	05/26/10 13:22	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-15A	GMW-2	AQ	05/26/10 12:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							
GMT10052726-16A	MW-12	AQ	05/26/10 11:31	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate							

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature	Print Name	Company	Date/Time
Logged in by: <i>K Murray</i>	<i>K Murray</i>	Alpha Analytical, Inc.	5/27/10 1220

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052726
Report Due By : 5:00 PM On : 08-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	Email Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

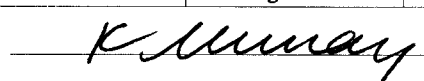
Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Cooler Temp Samples Received Date Printed
 4 °C 27-May-10 27-May-10

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W						
GMT10052726-17A	GMW-8	AQ	05/26/10 10:51	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-18A	GMW-0-9	AQ	05/26/10 10:13	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-19A	GMW-0-19	AQ	05/26/10 09:29	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-20A	GMW-13	AQ	05/26/10 08:49	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-21A	EB-6	AQ	05/26/10 14:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						
GMT10052726-22A	GMW-SF-7	AQ	05/26/10 08:11	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate						

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature	Print Name	Company	Date/Time
	K Murray	Alpha Analytical, Inc.	5/27/10 1220

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
 The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requireme for Petroleum Hydrocarbon Impacted Sites (September 2006) and requirement for TPHg of between 50 to 100 ug/L."

GMT100S2726

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)								ADD'L INFORMATION	STATUS	CONDITION	LAB SAMP
				#	Preservation													
GMW-SF8	5/26	0814	AQ	6	HCL	VOA	X	X										01
GMW-37		0851					X	X										02
PW-1		0922					X	X										03
GMW-0-6		1001					X	X										04
HL-2		1041					X	X										05
PW-3		1124					X	X										06
GMW-3		1206					X	X										07
GMW-38		1318					X	X										08
MW-19(MID)		1355					X	X										09
MW-7	✓	1435	✓	✓	✓	✓	X	X										10

SAMPLING COMPLETED DATE 5/25/10 TIME 1500 SAMPLING PERFORMED BY T. Rhymes, P. Harnes RESULTS NEEDED NO LATER THAN 24 HRS STANDARD

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5-26-10 TIME 154

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5-26-10 TIME 154

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5/27/10 TIME 1200

SHIPPED VIA TIME SENT COOLER #

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requireme
 for Petroleum Hydrocarbon Impacted Sites (September 2006) and
 requirement for TPHg of between 50 to 100 ug/L."

GMT10052726

CHAIN OF CUSTODY

CLIENT **Kinder Morgan**

SITE **DFSP Norwalk**

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPL
				#	Preservation	Type												
TB-3	5-25-10	0700	AQ	6	HCL	VOA	X	X							2 voas rec'd			11
MW-21(MID)		1401					X	X										12
EB-5		1445					X	X										13
GMW-0-16		1322					X	X										14
GMW-2		1220					X	X										15
MW-12		1131					X	X										16
GMW-8		1051					X	X										17
GMW-0-9		1013					X	X										18
GMW-0-19		0929					X	X										19
GMW-13		0849					X	X										20

SAMPLING COMPLETED DATE 5-25-10 TIME 1500 SAMPLING PERFORMED BY T. RHINES, P. HAYNES RESULTS NEEDED NO LATER THAN 24 HOURS STANDARD

RELEASED BY TIME 1545 RECEIVED BY DATE 5-26-10 TIME 1500

RELEASED BY TIME 1545 RECEIVED BY DATE 5-26-10 TIME 1100

RELEASED BY TIME 1545 RECEIVED BY K Murray DATE 5/27/10 TIME 1200

SHIPPED VIA TIME SENT COOLER #

BLAINE

TECH SERVICES, INC.

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 SAN JOSE, CALIFORNIA 95112-1105
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CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 3 of 3

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GMT10052726

CHAIN OF CUSTODY

CLIENT: **Kinder Morgan**

SITE: **DFSP Norwalk**

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)										ADD'L INFORMATION	STATUS	CONDITION	LAB SAMP		
				#	Preservation																Type	
FB-6	5/26	1455	AQ	6	HCL	VOR	X	X													21	
GMW-SF-7	5/26	0811	AQ	6	HCL	VOR	X	X													22	

SAMPLING COMPLETED: DATE 5/26/10 TIME 1500 SAMPLING PERFORMED BY T. Rhymes, P. Harris RESULTS NEEDED NO LATER THAN 24HR TAT STANDARD

RELEASED BY [Signature] TIME RECEIVED BY [Signature] DATE 5-26-10 TIME 1545

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5-26-10 TIME 1545

RELEASED BY [Signature] TIME 1545 RECEIVED BY [Signature] DATE 5/27/10 TIME 1200

SHIPPED VIA TIME SENT COOLER #



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Anions by IC EPA Method 300.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-39				
Lab ID : GMT10052822-01A Nitrite (NO2) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 12:50
Date Sampled 05/27/10 10:06 Nitrate (NO3) - N	4.1	0.25 mg/L	05/28/10 11:18	05/28/10 12:50
Sulfate (SO4)	110	75 mg/L	05/28/10 11:18	05/28/10 12:50
Client ID: GMW-27				
Lab ID : GMT10052822-02A Nitrite (NO2) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:09
Date Sampled 05/27/10 10:53 Nitrate (NO3) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:09
Sulfate (SO4)	230	75 mg/L	05/28/10 11:18	05/28/10 13:09
Client ID: PZ-5				
Lab ID : GMT10052822-03A Nitrite (NO2) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:27
Date Sampled 05/27/10 13:55 Nitrate (NO3) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:27
Sulfate (SO4)	350	75 mg/L	05/28/10 11:18	05/28/10 13:27
Client ID: GMW-O-10				
Lab ID : GMT10052822-04A Nitrite (NO2) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:46
Date Sampled 05/27/10 11:41 Nitrate (NO3) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 13:46
Sulfate (SO4)	260	75 mg/L	05/28/10 11:18	05/28/10 13:46
Client ID: MW-SF-1				
Lab ID : GMT10052822-05A Nitrite (NO2) - N	4.3	0.25 mg/L	05/28/10 11:18	05/28/10 14:06
Date Sampled 05/27/10 14:30 Nitrate (NO3) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 14:06
Sulfate (SO4)	270	75 mg/L	05/28/10 11:18	05/28/10 14:06
Client ID: WCW-7				
Lab ID : GMT10052822-06A Nitrite (NO2) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 14:25
Date Sampled 05/27/10 08:43 Nitrate (NO3) - N	ND	0.25 mg/L	05/28/10 11:18	05/28/10 14:25
Sulfate (SO4)	910	300 mg/L	05/28/10 11:18	05/28/10 16:34

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/8/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Iron by Spectrophotometer SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-39 Lab ID : GMT10052822-01A Iron, Ferrous (+2) Date Sampled 05/27/10 10:06	ND	0.050 mg/L	05/28/10	05/28/10
Client ID: GMW-27 Lab ID : GMT10052822-02A Iron, Ferrous (+2) Date Sampled 05/27/10 10:53	0.61	0.050 mg/L	05/28/10	05/28/10
Client ID: PZ-5 Lab ID : GMT10052822-03A Iron, Ferrous (+2) Date Sampled 05/27/10 13:55	3.7	0.10 mg/L	05/28/10	05/28/10
Client ID: GMW-O-10 Lab ID : GMT10052822-04A Iron, Ferrous (+2) Date Sampled 05/27/10 11:41	0.057	0.050 mg/L	05/28/10	05/28/10
Client ID: MW-SF-1 Lab ID : GMT10052822-05A Iron, Ferrous (+2) Date Sampled 05/27/10 14:30	2.8	0.050 mg/L	05/28/10	05/28/10
Client ID: WCW-7 Lab ID : GMT10052822-06A Iron, Ferrous (+2) Date Sampled 05/27/10 08:43	0.084	0.050 mg/L	05/28/10	05/28/10

Ferrous iron samples were color developed promptly after laboratory login.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

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510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-39				
Lab ID: GMT10052822-01A Alkalinity, Total (As CaCO ₃ at pH 4.5)	420	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 10:06				
Client ID: GMW-27				
Lab ID: GMT10052822-02A Alkalinity, Total (As CaCO ₃ at pH 4.5)	870	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 10:53				
Client ID: PZ-5				
Lab ID: GMT10052822-03A Alkalinity, Total (As CaCO ₃ at pH 4.5)	1,100	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 13:55				
Client ID: GMW-O-10				
Lab ID: GMT10052822-04A Alkalinity, Total (As CaCO ₃ at pH 4.5)	880	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 11:41				
Client ID: MW-SF-1				
Lab ID: GMT10052822-05A Alkalinity, Total (As CaCO ₃ at pH 4.5)	710	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 14:30				
Client ID: WCW-7				
Lab ID: GMT10052822-06A Alkalinity, Total (As CaCO ₃ at pH 4.5)	630	10 mg/L	06/02/10	06/02/10
Date Sampled 05/27/10 08:43				

Roger Scholl

Randy Gardner

Walter Hinchman

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Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Dissolved Metals by ICPMS EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-39				
Lab ID: GMT10052822-01A Manganese (Mn), Dissolved Date Sampled 05/27/10 10:06	ND	0.0050 mg/L	05/29/10 10:38	05/29/10
Client ID: GMW-27				
Lab ID: GMT10052822-02A Manganese (Mn), Dissolved Date Sampled 05/27/10 10:53	2.0	0.0050 mg/L	05/29/10 10:38	05/29/10
Client ID: PZ-5				
Lab ID: GMT10052822-03A Manganese (Mn), Dissolved Date Sampled 05/27/10 13:55	1.6	0.0050 mg/L	05/29/10 10:38	05/29/10
Client ID: GMW-O-10				
Lab ID: GMT10052822-04A Manganese (Mn), Dissolved Date Sampled 05/27/10 11:41	1.2	0.0050 mg/L	05/29/10 10:38	05/29/10
Client ID: MW-SF-1				
Lab ID: GMT10052822-05A Manganese (Mn), Dissolved Date Sampled 05/27/10 14:30	2.1	0.0050 mg/L	05/29/10 10:38	05/29/10
Client ID: WCW-7				
Lab ID: GMT10052822-06A Manganese (Mn), Dissolved Date Sampled 05/27/10 08:43	4.5	0.0050 mg/L	05/29/10 10:38	05/29/10

ND = Not Detected

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Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Dissolved Gases
Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: GMW-39 Lab ID: GMT10052822-01A Methane Date Sampled 05/27/10 10:06	ND	0.010 mg/L	06/03/10 11:56	06/03/10
Client ID: GMW-27 Lab ID: GMT10052822-02A Methane Date Sampled 05/27/10 10:53	6.2	0.010 mg/L	06/03/10 11:56	06/03/10
Client ID: PZ-5 Lab ID: GMT10052822-03A Methane Date Sampled 05/27/10 13:55	0.35	0.010 mg/L	06/03/10 11:56	06/03/10
Client ID: GMW-O-10 Lab ID: GMT10052822-04A Methane Date Sampled 05/27/10 11:41	2.2	0.010 mg/L	06/03/10 11:56	06/03/10
Client ID: MW-SF-1 Lab ID: GMT10052822-05A Methane Date Sampled 05/27/10 14:30	5.5	0.010 mg/L	06/03/10 11:56	06/03/10
Client ID: WCW-7 Lab ID: GMT10052822-06A Methane Date Sampled 05/27/10 08:43	0.023	0.010 mg/L	06/03/10 11:56	06/03/10

ND = Not Detected

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6/8/10

Report Date



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Date:
03-Jun-10

QC Summary Report

Work Order:
10052822

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0**

File ID: **21**

Batch ID: **24352**

Analysis Date: **05/28/2010 11:55**

Sample ID: **MB-24352**

Units : **mg/L**

Run ID: **IC_1_100528A**

Prep Date: **05/28/2010 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	0.25								
Nitrate (NO3) - N	ND	0.25								
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0**

File ID: **22**

Batch ID: **24352**

Analysis Date: **05/28/2010 12:13**

Sample ID: **LFB-24352**

Units : **mg/L**

Run ID: **IC_1_100528A**

Prep Date: **05/28/2010 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	4.59	0.25	5		92	90	110			
Nitrate (NO3) - N	5.28	0.25	5		106	90	110			
Sulfate (SO4)	104	0.5	100		104	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0**

File ID: **32**

Batch ID: **24352**

Analysis Date: **05/28/2010 15:21**

Sample ID: **10052841-03ALFM**

Units : **mg/L**

Run ID: **IC_1_100528A**

Prep Date: **05/28/2010 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9.93	0.25	10	0	99	80	120			
Nitrate (NO3) - N	13.8	0.25	10	2.798	110	80	120			
Sulfate (SO4)	240	0.5	200	47.51	96	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0**

File ID: **33**

Batch ID: **24352**

Analysis Date: **05/28/2010 15:39**

Sample ID: **10052841-03ALFMD**

Units : **mg/L**

Run ID: **IC_1_100528A**

Prep Date: **05/28/2010 11:18**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9.73	0.25	10	0	97	80	120	9.935	2.0(15)	
Nitrate (NO3) - N	13.6	0.25	10	2.798	108	80	120	13.81	1.6(15)	
Sulfate (SO4)	241	0.5	200	47.51	97	80	120	240.4	0.3(15)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
03-Jun-10

QC Summary Report

Work Order:
10052822

Method Blank

Type **MBLK** Test Code: **SM3500-Fe B**

File ID:		Batch ID: W0528FR	Analysis Date: 05/28/2010 00:00
Sample ID: MBLK-W0528FR	Units : mg/L	Run ID: WETLAB_100528B	Prep Date: 05/28/2010 00:00
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Iron, Ferrous (+2)	ND	0.05	

Laboratory Control Spike

Type **LCS** Test Code: **SM3500-Fe B**

File ID:		Batch ID: W0528FR	Analysis Date: 05/28/2010 00:00
Sample ID: LCS-W0528FR	Units : mg/L	Run ID: WETLAB_100528B	Prep Date: 05/28/2010 00:00
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Iron, Ferrous (+2)	1.46	0.05	1.5 97 85 115

Sample Matrix Spike

Type **MS** Test Code: **SM3500-Fe B**

File ID:		Batch ID: W0528FR	Analysis Date: 05/28/2010 00:00
Sample ID: 10052623-01AMS	Units : mg/L	Run ID: WETLAB_100528B	Prep Date: 05/28/2010 00:00
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Iron, Ferrous (+2)	1.48	0.05	1.5 0 98 70 130

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **SM3500-Fe B**

File ID:		Batch ID: W0528FR	Analysis Date: 05/28/2010 00:00
Sample ID: 10052623-01AMSD	Units : mg/L	Run ID: WETLAB_100528B	Prep Date: 05/28/2010 00:00
Analyte	Result	PQL	SpkVal SpkRefVal %REC LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
Iron, Ferrous (+2)	1.5	0.05	1.5 0 100 70 130 1.476 1.8(20)

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
03-Jun-10

QC Summary Report

Work Order:
10052822

Laboratory Control Spike

Type **LCS**

Test Code: **SM2320B**

File ID:

Batch ID: **W0602AL**

Analysis Date: **06/02/2010 11:38**

Sample ID: **LCS-W0602AL**

Units : **mg/L**

Run ID: **WETLAB_100602A**

Prep Date: **06/02/2010 11:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Total (As CaCO ₃ at pH 4.5)	258	10	250		103	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date:
03-Jun-10

QC Summary Report

Work Order:
10052822

Method Blank

File ID: 052810.B\1.M.D\	Type MBLK	Test Code: EPA Method 200.8	Batch ID: 24359	Analysis Date: 05/29/2010 11:20						
Sample ID: MB-24359	Units : mg/L	Run ID: ICP/MS_100528D	Prep Date: 05/29/2010 10:38							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	ND	0.005								

Laboratory Control Spike

File ID: 052810.B\1.L1.D\	Type LCS	Test Code: EPA Method 200.8	Batch ID: 24359	Analysis Date: 05/29/2010 11:26						
Sample ID: LCS-24283	Units : mg/L	Run ID: ICP/MS_100528D	Prep Date: 05/29/2010 10:38							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.053	0.005	0.05		106	83	120			

Sample Matrix Spike

File ID: 052810.B\MS.D\	Type MS	Test Code: EPA Method 200.8	Batch ID: 24359	Analysis Date: 05/29/2010 11:48						
Sample ID: 10052822-01AMS	Units : mg/L	Run ID: ICP/MS_100528D	Prep Date: 05/29/2010 10:38							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0515	0.005	0.05	0	103	70	130			

Sample Matrix Spike Duplicate

File ID: 052810.B\MSD.D\	Type MSD	Test Code: EPA Method 200.8	Batch ID: 24359	Analysis Date: 05/29/2010 11:54						
Sample ID: 10052822-01AMSD	Units : mg/L	Run ID: ICP/MS_100528D	Prep Date: 05/29/2010 10:38							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0509	0.005	0.05	0	102	70	130	0.05152	1.3(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
04-Jun-10

QC Summary Report

Work Order:
10052822

Method Blank

File ID:	Type MBLK	Test Code: Modified Method RSK-175 GC/FID								
Sample ID: MBLK-24385	Units : mg/L	Batch ID: 24385	Analysis Date: 06/03/2010 12:52							
Analyte	Result	PQL	Run ID: FID_6_100603A	Prep Date: 06/03/2010 11:56						
Methane	ND	0.01	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual

Laboratory Control Spike

File ID:	Type LCS	Test Code: Modified Method RSK-175 GC/FID								
Sample ID: LCS-24385	Units : mg/L	Batch ID: 24385	Analysis Date: 06/03/2010 13:11							
Analyte	Result	PQL	Run ID: FID_6_100603A	Prep Date: 06/03/2010 11:56						
Methane	0.44	0.01	0.452	97	70	130				

Sample Matrix Spike

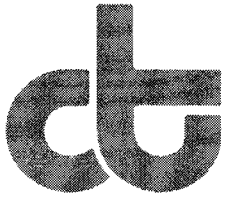
File ID:	Type MS	Test Code: Modified Method RSK-175 GC/FID								
Sample ID: 10052731-01AMS	Units : mg/L	Batch ID: 24385	Analysis Date: 06/03/2010 13:49							
Analyte	Result	PQL	Run ID: FID_6_100603A	Prep Date: 06/03/2010 11:56						
Methane	1.6	0.01	1.81	0	88	70	130			

Sample Matrix Spike Duplicate

File ID:	Type MSD	Test Code: Modified Method RSK-175 GC/FID								
Sample ID: 10052731-01AMSD	Units : mg/L	Batch ID: 24385	Analysis Date: 06/03/2010 14:08							
Analyte	Result	PQL	Run ID: FID_6_100603A	Prep Date: 06/03/2010 11:56						
Methane	1.6	0.01	1.81	0	89	70	130	1.6	0.3(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 220487
ANALYTICAL REPORT**

Alpha Analytical, Inc.
255 Glendale Ave.
Sparks, NV 89431

Project : STANDARD
Location : GMT10052822
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
GMW-39	220487-001
GMW-27	220487-002
PZ-5	220487-003
GMW-O-10	220487-004
MW-SF-1	220487-005
WCW-7	220487-006

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Project Manager

Date: 06/09/2010

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 220487
Client: Alpha Analytical, Inc.
Location: GMT10052822
Request Date: 06/02/10
Samples Received: 06/02/10

This data package contains sample and QC results for six water samples, requested for the above referenced project on 06/02/10. The samples were received cold and intact.

Dissolved Gases by GC/FID (RSK-175):

No analytical problems were encountered.

Dissolved CO2 by GC TCD			
Lab #:	220487	Location:	GMT10052822
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Sampled:	05/27/10
Matrix:	Water	Received:	06/02/10
Units:	mg/L	Analyzed:	06/03/10
Batch#:	163635		

Field ID	Type	Lab ID	Result	RL	Diln Fac
GMW-39	SAMPLE	220487-001	28	1.0	1.000
GMW-27	SAMPLE	220487-002	120	1.0	1.000
PZ-5	SAMPLE	220487-003	190	1.0	1.000
GMW-O-10	SAMPLE	220487-004	100	1.0	1.000
MW-SF-1	SAMPLE	220487-005	91	1.0	1.000
WCW-7	SAMPLE	220487-006	57	10	10.00
	BLANK	QC547046	ND	1.0	1.000

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	220487	Location:	GMT10052822
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	163635
Units:	mg/L	Analyzed:	06/03/10

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC547047	1.799	1.435	80	71-123		
BSD	QC547048	1.799	1.662	92	71-123	15	29

RPD= Relative Percent Difference

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052822
Report Due By : 5:00 PM On : 09-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 28-May-10 28-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests						Sample Remarks
				300_0_W	3500FE_20 S_W	ALKALINIT Y_W	CO2_FREE	METALS_D S	METHANE W	
GMT10052822-01A	GMW-39	AQ 05/27/10 10:06	7 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10052822-02A	GMW-27	AQ 05/27/10 10:53	7 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10052822-03A	PZ-5	AQ 05/27/10 13:55	6 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	One HCl voa rec'd broken.
GMT10052822-04A	GMW-O-10	AQ 05/27/10 11:41	7 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10052822-05A	MW-SF-1	AQ 05/27/10 14:30	7 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10052822-06A	WCW-7	AQ 05/27/10 08:43	7 3 7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	

Comments: Security seals intact. Frozen ice. CO2 subbed to Curtis & Tompkins. :

Signature	Print Name	Company	Date/Time
<i>K Newmyer</i>	<i>K Newmyer</i>	Alpha Analytical, Inc.	5/28/10 1105

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

Kinder Morgan Norwalk
 Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

GMT10052822

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	#	CONTAINERS		Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
					#250 HCL PP Preservation	1250 PPM VOA VOP LPO4 Type											
GMW-39	5-27-10	1006	Water	10	X	X	X	X	X	X	X	X	1 HCl voa rec'd broken				
GMW-39	5-27-10	1006	Water	10	X	X	X	X	X	X	X	X					01
GMW-27	5-27-10	1053	Water	10	X	X	X	X	X	X	X	X					02
P2-5	5-27-10	1355	Water	10	X	X	X	X	X	X	X	X	1 HCl voa rec'd broken				03
GMW-010	5-27-10	1141	Water	10	X	X	X	X	X	X	X	X					04
MW-SF-1	5-27-10	1430	Water	10	X	X	X	X	X	X	X	X					05
WCW-7	5-27-10	0843	AQ	10	X	X	X	X	X	X	X	X					06

SAMPLING COMPLETED DATE 5-27-10 TIME 1500 SAMPLING PERFORMED BY T. RHYMES, P. HARMES RESULTS NEEDED NO LATER THAN Standard

RELEASED BY *[Signature]* TIME RECEIVED BY *(SC) [Signature]* DATE 5/27/10 TIME 1000

RELEASED BY *(SC) [Signature]* TIME RECEIVED BY *[Signature]* DATE 5/28/10 TIME 1045

RELEASED BY TIME RECEIVED BY DATE TIME

SHIPPED VIA TIME SENT COOLER #



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/28/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	PZ-5				
Lab ID :	GMT10052844-02A	TPH-E (Fuel Product)	1.3 **	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 13:55	Surr: Nonane	96	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	3.2 J	5.0 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC	06/02/10
		Surr: Toluene-d8	105	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	06/02/10
Client ID :	DUP-5				
Lab ID :	GMT10052844-03A	TPH-E (Fuel Product)	1.4 **	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 00:00	Surr: Nonane	99	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	3.1 J	5.0 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	06/02/10
		Surr: Toluene-d8	105	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	06/02/10
Client ID :	GMW-4				
Lab ID :	GMT10052844-04A	TPH-E (Fuel Product)	6.1	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 13:13	Surr: Nonane	121	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	2.2	0.20 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	06/02/10
		Surr: Toluene-d8	102	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	06/02/10
Client ID :	GMW-27				
Lab ID :	GMT10052844-05A	TPH-E (Fuel Product)	0.13 **	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 10:53	Surr: Nonane	77	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	0.095	0.050 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	06/02/10
		Surr: Toluene-d8	106	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	06/02/10
Client ID :	MW-SF-9				
Lab ID :	GMT10052844-06A	TPH-E (Fuel Product)	8.2 *	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 12:33	Surr: Nonane	108	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	0.35	0.20 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC	06/02/10
		Surr: Toluene-d8	104	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	06/02/10
Client ID :	GMW-39				
Lab ID :	GMT10052844-07A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 10:06	Surr: Nonane	102	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	06/02/10
		Surr: Toluene-d8	107	(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	06/02/10



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Client ID :	DUP-3					
Lab ID :	GMT10052844-08A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 00:00	Surr: Nonane	99	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	106	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	06/02/10	06/02/10
Client ID :	WCW-4					
Lab ID :	GMT10052844-09A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 09:25	Surr: Nonane	101	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	105	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	06/02/10	06/02/10
Client ID :	WCW-7					
Lab ID :	GMT10052844-10A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 08:43	Surr: Nonane	91	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	109	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	06/02/10	06/02/10
Client ID :	MW-20(MID)					
Lab ID :	GMT10052844-11A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 08:23	Surr: Nonane	94	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	106	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	06/02/10	06/02/10
Client ID :	MW-6					
Lab ID :	GMT10052844-12A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 09:07	Surr: Nonane	98	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	107	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	06/02/10	06/02/10
Client ID :	HL-3					
Lab ID :	GMT10052844-13A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 09:50	Surr: Nonane	88	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	109	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	06/02/10	06/02/10
Client ID :	MW-8					
Lab ID :	GMT10052844-14A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 10:24	Surr: Nonane	101	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	112	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	91	(70-130) %REC	06/02/10	06/02/10
Client ID :	WCW-8					
Lab ID :	GMT10052844-15A	TPH-E (Fuel Product)	0.10	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 11:01	Surr: Nonane	100	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	106	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	06/02/10	06/02/10



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Client ID :	GMW-O-10					
Lab ID :	GMT10052844-16A	TPH-E (Fuel Product)	ND	0.10 mg/L	06/01/10 11:41	06/01/10
Date Sampled	05/27/10 11:41	Surr: Nonane	102	(57-147) %REC	06/01/10 11:41	06/01/10
		TPH-P (GRO)	0.37	0.10 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	106	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	90	(70-130) %REC	06/02/10	06/02/10
Client ID :	PZ-10					
Lab ID :	GMT10052844-17A	TPH-E (Fuel Product)	0.94	*	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 12:27	Surr: Nonane	91		(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	ND	O	0.10 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	98		(70-130) %REC	06/02/10
		Surr: Toluene-d8	107		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	91		(70-130) %REC	06/02/10
Client ID :	GMW-1					
Lab ID :	GMT10052844-18A	TPH-E (Fuel Product)	1.9	**	0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 13:18	Surr: Nonane	90		(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	0.90		0.20 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	101		(70-130) %REC	06/02/10
		Surr: Toluene-d8	100		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	93		(70-130) %REC	06/02/10
Client ID :	MW-9					
Lab ID :	GMT10052844-19A	TPH-E (Fuel Product)	11	*	1.0 mg/L	06/01/10 11:41
Date Sampled	05/27/10 13:50	Surr: Nonane	125		(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	1.6		1.0 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	99		(70-130) %REC	06/02/10
		Surr: Toluene-d8	105		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	93		(70-130) %REC	06/02/10
Client ID :	MW-SF-1					
Lab ID :	GMT10052844-20A	TPH-E (Fuel Product)	3.5	*	1.0 mg/L	06/01/10 11:41
Date Sampled	05/27/10 14:30	Surr: Nonane	0	S50	(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	8.8		4.0 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	99		(70-130) %REC	06/02/10
		Surr: Toluene-d8	102		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	95		(70-130) %REC	06/02/10
Client ID :	EB-7					
Lab ID :	GMT10052844-21A	TPH-E (Fuel Product)	ND		0.10 mg/L	06/01/10 11:41
Date Sampled	05/27/10 15:00	Surr: Nonane	103		(57-147) %REC	06/01/10 11:41
		TPH-P (GRO)	ND		0.050 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	106		(70-130) %REC	06/02/10
		Surr: Toluene-d8	105		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	95		(70-130) %REC	06/02/10
Client ID :	EB-8					
Lab ID :	GMT10052844-22A	TPH-E (Fuel Product)	ND		0.10 mg/L	05/28/10 13:43
Date Sampled	05/27/10 14:50	Surr: Nonane	116		(57-147) %REC	05/28/10 13:43
		TPH-P (GRO)	ND		0.050 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	105		(70-130) %REC	06/02/10
		Surr: Toluene-d8	102		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	95		(70-130) %REC	06/02/10
Client ID :	GWR-1					
Lab ID :	GMT10052844-23A	TPH-E (Fuel Product)	1.1		0.10 mg/L	05/28/10 13:43
Date Sampled	05/27/10 14:39	Surr: Nonane	113		(57-147) %REC	05/28/10 13:43
		TPH-P (GRO)	2.1		1.0 mg/L	06/02/10
		Surr: 1,2-Dichloroethane-d4	105		(70-130) %REC	06/02/10
		Surr: Toluene-d8	101		(70-130) %REC	06/02/10
		Surr: 4-Bromofluorobenzene	96		(70-130) %REC	06/02/10



Alpha Analytical, Inc.

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Client ID :	DUP-4					
Lab ID :	GMT10052844-24A	TPH-E (Fuel Product)	2.0	0.10 mg/L	05/28/10 13:43	05/29/10
Date Sampled	05/27/10 00:00	Surr: Nonane	100	(57-147) %REC	05/28/10 13:43	05/29/10
		TPH-P (GRO)	0.88	0.20 mg/L	06/02/10	06/02/10
		Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC	06/02/10	06/02/10
		Surr: Toluene-d8	100	(70-130) %REC	06/02/10	06/02/10
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	06/02/10	06/02/10

**Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

O = Reporting Limits were increased due to sample foaming.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

This replaces the report signed 6/8/10. J-values have been added to -02A and -03A (TPH-P), per client request.

ND = Not Detected

J = The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample.

Roger Scholl *Randy Gardner* *Walter Hinchman*
 Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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[Signature]
 6/9/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-01A
Client I.D. Number: TB-4

Sampled: 05/27/10 07:00
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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JAG

6/8/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-02A
Client I.D. Number: PZ-5

Sampled: 05/27/10 13:55
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	45 Chlorobenzene	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	46 Ethylbenzene	66	25 µg/L
3 Vinyl chloride	ND	50 µg/L	47 m,p-Xylene	ND	25 µg/L
4 Chloroethane	ND	50 µg/L	48 Bromoform	ND	50 µg/L
5 Bromomethane	ND	200 µg/L	49 Styrene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	50 o-Xylene	ND	25 µg/L
7 Acetone	ND	1,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	52 1,2,3-Trichloropropane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	69,000	500 µg/L	53 Isopropylbenzene	ND	50 µg/L
10 Dichloromethane	ND	200 µg/L	54 Bromobenzene	ND	50 µg/L
11 Freon-113	ND	50 µg/L	55 n-Propylbenzene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	56 4-Chlorotoluene	ND	50 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	57 2-Chlorotoluene	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	360	25 µg/L	58 1,3,5-Trimethylbenzene	ND	50 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	59 tert-Butylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	60 1,2,4-Trimethylbenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	61 sec-Butylbenzene	ND	50 µg/L
18 Di-isopropyl Ether (DIPE)	ND	50 µg/L	62 1,3-Dichlorobenzene	ND	50 µg/L
19 cis-1,2-Dichloroethene	ND	50 µg/L	63 1,4-Dichlorobenzene	ND	50 µg/L
20 Bromochloromethane	ND	50 µg/L	64 4-Isopropyltoluene	ND	50 µg/L
21 Chloroform	ND	50 µg/L	65 1,2-Dichlorobenzene	ND	50 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	50 µg/L	66 n-Butylbenzene	ND	50 µg/L
23 2,2-Dichloropropane	ND	50 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
24 1,2-Dichloroethane	ND	50 µg/L	68 1,2,4-Trichlorobenzene	ND	200 µg/L
25 1,1,1-Trichloroethane	ND	50 µg/L	69 Naphthalene	ND	200 µg/L
26 1,1-Dichloropropene	ND	50 µg/L	70 1,2,3-Trichlorobenzene	ND	200 µg/L
27 Carbon tetrachloride	ND	50 µg/L	71 Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC
28 Benzene	1,100	25 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	50 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	50 µg/L			
31 1,2-Dichloropropane	ND	50 µg/L			
32 Trichloroethene	ND	50 µg/L			
33 Bromodichloromethane	ND	50 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L			
35 cis-1,3-Dichloropropene	ND	50 µg/L			
36 trans-1,3-Dichloropropene	ND	50 µg/L			
37 1,1,2-Trichloroethane	ND	50 µg/L			
38 Toluene	ND	25 µg/L			
39 1,3-Dichloropropane	ND	50 µg/L			
40 2-Hexanone	ND	50 µg/L			
41 Dibromochloromethane	ND	50 µg/L			
42 1,2-Dibromoethane (EDB)	ND	100 µg/L			
43 Tetrachloroethene	ND	50 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	50 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

This replaces the report signed earlier 6/8/10 due to a change in the concentration for TBA, due to lab error.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-03A
Client I.D. Number: DUP-5

Sampled: 05/27/10 00:00
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	45 Chlorobenzene	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	46 Ethylbenzene	63	25 µg/L
3 Vinyl chloride	ND	50 µg/L	47 m,p-Xylene	ND	25 µg/L
4 Chloroethane	ND	50 µg/L	48 Bromoform	ND	50 µg/L
5 Bromomethane	ND	200 µg/L	49 Styrene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	50 o-Xylene	ND	25 µg/L
7 Acetone	ND	1,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	52 1,2,3-Trichloropropane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	68,000	500 µg/L	53 Isopropylbenzene	ND	50 µg/L
10 Dichloromethane	ND	200 µg/L	54 Bromobenzene	ND	50 µg/L
11 Freon-113	ND	50 µg/L	55 n-Propylbenzene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	56 4-Chlorotoluene	ND	50 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	57 2-Chlorotoluene	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	350	25 µg/L	58 1,3,5-Trimethylbenzene	ND	50 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	59 tert-Butylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	60 1,2,4-Trimethylbenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	61 sec-Butylbenzene	ND	50 µg/L
18 Di-isopropyl Ether (DIPE)	ND	50 µg/L	62 1,3-Dichlorobenzene	ND	50 µg/L
19 cis-1,2-Dichloroethene	ND	50 µg/L	63 1,4-Dichlorobenzene	ND	50 µg/L
20 Bromochloromethane	ND	50 µg/L	64 4-Isopropyltoluene	ND	50 µg/L
21 Chloroform	ND	50 µg/L	65 1,2-Dichlorobenzene	ND	50 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	50 µg/L	66 n-Butylbenzene	ND	50 µg/L
23 2,2-Dichloropropane	ND	50 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
24 1,2-Dichloroethane	ND	50 µg/L	68 1,2,4-Trichlorobenzene	ND	200 µg/L
25 1,1,1-Trichloroethane	ND	50 µg/L	69 Naphthalene	ND	200 µg/L
26 1,1-Dichloropropene	ND	50 µg/L	70 1,2,3-Trichlorobenzene	ND	200 µg/L
27 Carbon tetrachloride	ND	50 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	1,000	25 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	50 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	50 µg/L			
31 1,2-Dichloropropane	ND	50 µg/L			
32 Trichloroethene	ND	50 µg/L			
33 Bromodichloromethane	ND	50 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L			
35 cis-1,3-Dichloropropene	ND	50 µg/L			
36 trans-1,3-Dichloropropene	ND	50 µg/L			
37 1,1,2-Trichloroethane	ND	50 µg/L			
38 Toluene	ND	25 µg/L			
39 1,3-Dichloropropane	ND	50 µg/L			
40 2-Hexanone	ND	500 µg/L			
41 Dibromochloromethane	ND	50 µg/L			
42 1,2-Dibromoethane (EDB)	ND	100 µg/L			
43 Tetrachloroethene	ND	50 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	50 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

This replaces the report signed 6/8/10 due to a change in the concentration for TBA, due to lab error.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/9/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-04A
Client I.D. Number: GMW-4

Sampled: 05/27/10 13:13
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	6.3	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	7.3	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Styrene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	2.7	1.0 µg/L
7 Acetone	ND	40 µg/L	51 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,2,3-Trichloropropane	ND	8.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	53 Isopropylbenzene	44	2.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Bromobenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	37	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 4-Chlorotoluene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 2-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L	58 1,3,5-Trimethylbenzene	4.9	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 tert-Butylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	15	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 sec-Butylbenzene	7.9	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 1,3-Dichlorobenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,4-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 4-Isopropyltoluene	4.0	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 1,2-Dichlorobenzene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 n-Butylbenzene	3.0	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2,4-Trichlorobenzene	ND	8.0 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 Naphthalene	61	10 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 1,2,3-Trichlorobenzene	ND	8.0 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	170	1.0 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L			
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethene	ND	2.0 µg/L			
33 Bromodichloromethane	ND	2.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	2.0 µg/L			
36 trans-1,3-Dichloropropene	ND	2.0 µg/L			
37 1,1,2-Trichloroethane	ND	2.0 µg/L			
38 Toluene	1.1	1.0 µg/L			
39 1,3-Dichloropropane	ND	2.0 µg/L			
40 2-Hexanone	ND	20 µg/L			
41 Dibromochloromethane	ND	2.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-05A
Client I.D. Number: GMW-27

Sampled: 05/27/10 10:53
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.6	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	10	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-06A
Client I.D. Number: MW-SF-9

Sampled: 05/27/10 12:33
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	ND	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	ND	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Styrene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	1.0 µg/L
7 Acetone	ND	40 µg/L	51 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,2,3-Trichloropropane	ND	8.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	53 Isopropylbenzene	ND	2.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Bromobenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 4-Chlorotoluene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 2-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L	58 1,3,5-Trimethylbenzene	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 tert-Butylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 sec-Butylbenzene	ND	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 1,3-Dichlorobenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,4-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 4-Isopropyltoluene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 1,2-Dichlorobenzene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 n-Butylbenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2,4-Trichlorobenzene	ND	8.0 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 1,2,3-Trichlorobenzene	ND	8.0 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	100	1.0 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L			
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethene	ND	2.0 µg/L			
33 Bromodichloromethane	ND	2.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	2.0 µg/L			
36 trans-1,3-Dichloropropene	ND	2.0 µg/L			
37 1,1,2-Trichloroethane	ND	2.0 µg/L			
38 Toluene	1.3	1.0 µg/L			
39 1,3-Dichloropropane	ND	2.0 µg/L			
40 2-Hexanone	ND	20 µg/L			
41 Dibromochloromethane	ND	2.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-07A
Client I.D. Number: GMW-39

Sampled: 05/27/10 10:06
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-08A
Client I.D. Number: DUP-3

Sampled: 05/27/10 00:00
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-09A
Client I.D. Number: WCW-4

Sampled: 05/27/10 09:25
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	100	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS
6/8/10
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-10A
Client I.D. Number: WCW-7

Sampled: 05/27/10 08:43
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.2	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	3.3	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	23	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-11A
Client I.D. Number: MW-20(MID)

Sampled: 05/27/10 08:23
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	16	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	12	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	18	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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[Signature]

6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-12A
Client I.D. Number: MW-6

Sampled: 05/27/10 09:07
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.9	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	1.5	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-13A
Client I.D. Number: HL-3

Sampled: 05/27/10 09:50
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	109	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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RS

6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-14A
Client I.D. Number: MW-8

Sampled: 05/27/10 10:24
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.62	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	112	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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[Signature]
6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-15A
Client I.D. Number: WCW-8

Sampled: 05/27/10 11:01
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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JH
6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-16A
Client I.D. Number: GMW-O-10

Sampled: 05/27/10 11:41
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	4.3	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	3.2	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.87	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	77	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	90	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	1.2	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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PS

6/8/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-17A
Client I.D. Number: PZ-10

Sampled: 05/27/10 12:27
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	4.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.4	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	0.92	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	91	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

Some Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date

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Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-18A
Client I.D. Number: GMW-1

Sampled: 05/27/10 13:18
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	46	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	2.2	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Styrene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	1.0 µg/L
7 Acetone	ND	40 µg/L	51 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,2,3-Trichloropropane	ND	8.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	53 Isopropylbenzene	17	2.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Bromobenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	14	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 4-Chlorotoluene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 2-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L	58 1,3,5-Trimethylbenzene	2.2	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 tert-Butylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 sec-Butylbenzene	5.1	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 1,3-Dichlorobenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,4-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 4-Isopropyltoluene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 1,2-Dichlorobenzene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 n-Butylbenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2,4-Trichlorobenzene	ND	8.0 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 1,2,3-Trichlorobenzene	ND	8.0 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	101	(70-130) %REC
28 Benzene	55	1.0 µg/L	72 Surr: Toluene-d8	100	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L			
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethene	ND	2.0 µg/L			
33 Bromodichloromethane	ND	2.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	2.0 µg/L			
36 trans-1,3-Dichloropropene	ND	2.0 µg/L			
37 1,1,2-Trichloroethane	ND	2.0 µg/L			
38 Toluene	4.9	1.0 µg/L			
39 1,3-Dichloropropane	ND	2.0 µg/L			
40 2-Hexanone	ND	20 µg/L			
41 Dibromochloromethane	ND	2.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS

6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-19A
Client I.D. Number: MW-9

Sampled: 05/27/10 13:50
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	10 µg/L	45 Chlorobenzene	ND	10 µg/L
2 Chloromethane	ND	40 µg/L	46 Ethylbenzene	ND	5.0 µg/L
3 Vinyl chloride	ND	10 µg/L	47 m,p-Xylene	ND	5.0 µg/L
4 Chloroethane	ND	10 µg/L	48 Bromoform	ND	10 µg/L
5 Bromomethane	ND	40 µg/L	49 Styrene	ND	10 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	5.0 µg/L
7 Acetone	ND	200 µg/L	51 1,1,2,2-Tetrachloroethane	ND	10 µg/L
8 1,1-Dichloroethene	ND	10 µg/L	52 1,2,3-Trichloropropane	ND	40 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	100 µg/L	53 Isopropylbenzene	34	10 µg/L
10 Dichloromethane	ND	40 µg/L	54 Bromobenzene	ND	10 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	27	10 µg/L
12 Carbon disulfide	ND	50 µg/L	56 4-Chlorotoluene	ND	10 µg/L
13 trans-1,2-Dichloroethene	ND	10 µg/L	57 2-Chlorotoluene	ND	10 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	5.0 µg/L	58 1,3,5-Trimethylbenzene	ND	10 µg/L
15 1,1-Dichloroethane	ND	10 µg/L	59 tert-Butylbenzene	ND	10 µg/L
16 Vinyl acetate	ND	1,000 µg/L	60 1,2,4-Trimethylbenzene	ND	10 µg/L
17 2-Butanone (MEK)	ND	200 µg/L	61 sec-Butylbenzene	ND	10 µg/L
18 Di-isopropyl Ether (DIPE)	ND	10 µg/L	62 1,3-Dichlorobenzene	ND	10 µg/L
19 cis-1,2-Dichloroethene	ND	10 µg/L	63 1,4-Dichlorobenzene	ND	10 µg/L
20 Bromochloromethane	ND	10 µg/L	64 4-Isopropyltoluene	ND	10 µg/L
21 Chloroform	ND	10 µg/L	65 1,2-Dichlorobenzene	ND	10 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	10 µg/L	66 n-Butylbenzene	ND	10 µg/L
23 2,2-Dichloropropane	ND	10 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	60 µg/L
24 1,2-Dichloroethane	ND	10 µg/L	68 1,2,4-Trichlorobenzene	ND	40 µg/L
25 1,1,1-Trichloroethane	ND	10 µg/L	69 Naphthalene	ND	40 µg/L
26 1,1-Dichloropropene	ND	10 µg/L	70 1,2,3-Trichlorobenzene	ND	40 µg/L
27 Carbon tetrachloride	ND	10 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	24	5.0 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	10 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	10 µg/L			
31 1,2-Dichloropropane	ND	10 µg/L			
32 Trichloroethene	ND	10 µg/L			
33 Bromodichloromethane	ND	10 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	50 µg/L			
35 cis-1,3-Dichloropropene	ND	10 µg/L			
36 trans-1,3-Dichloropropene	ND	10 µg/L			
37 1,1,2-Trichloroethane	ND	10 µg/L			
38 Toluene	ND	5.0 µg/L			
39 1,3-Dichloropropane	ND	10 µg/L			
40 2-Hexanone	ND	100 µg/L			
41 Dibromochloromethane	ND	10 µg/L			
42 1,2-Dibromoethane (EDB)	ND	20 µg/L			
43 Tetrachloroethene	ND	10 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	10 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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6/8/10

Report Date



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-20A
Client I.D. Number: MW-SF-1

Sampled: 05/27/10 14:30
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	40 µg/L	45 Chlorobenzene	ND	40 µg/L
2 Chloromethane	ND	160 µg/L	46 Ethylbenzene	150	20 µg/L
3 Vinyl chloride	ND	40 µg/L	47 m,p-Xylene	51	20 µg/L
4 Chloroethane	ND	40 µg/L	48 Bromoform	ND	40 µg/L
5 Bromomethane	ND	160 µg/L	49 Styrene	ND	40 µg/L
6 Trichlorofluoromethane	ND	40 µg/L	50 o-Xylene	ND	20 µg/L
7 Acetone	ND	800 µg/L	51 1,1,2,2-Tetrachloroethane	ND	40 µg/L
8 1,1-Dichloroethene	ND	40 µg/L	52 1,2,3-Trichloropropane	ND	160 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	400 µg/L	53 Isopropylbenzene	ND	40 µg/L
10 Dichloromethane	ND	160 µg/L	54 Bromobenzene	ND	40 µg/L
11 Freon-113	ND	40 µg/L	55 n-Propylbenzene	44	40 µg/L
12 Carbon disulfide	ND	200 µg/L	56 4-Chlorotoluene	ND	40 µg/L
13 trans-1,2-Dichloroethene	ND	40 µg/L	57 2-Chlorotoluene	ND	40 µg/L
14 Methyl tert-butyl ether (MTBE)	140	20 µg/L	58 1,3,5-Trimethylbenzene	ND	40 µg/L
15 1,1-Dichloroethane	ND	40 µg/L	59 tert-Butylbenzene	ND	40 µg/L
16 Vinyl acetate	ND	4,000 µg/L	60 1,2,4-Trimethylbenzene	ND	40 µg/L
17 2-Butanone (MEK)	ND	800 µg/L	61 sec-Butylbenzene	ND	40 µg/L
18 Di-isopropyl Ether (DIPE)	ND	40 µg/L	62 1,3-Dichlorobenzene	ND	40 µg/L
19 cis-1,2-Dichloroethene	ND	40 µg/L	63 1,4-Dichlorobenzene	ND	40 µg/L
20 Bromochloromethane	ND	40 µg/L	64 4-Isopropyltoluene	ND	40 µg/L
21 Chloroform	ND	40 µg/L	65 1,2-Dichlorobenzene	ND	40 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	40 µg/L	66 n-Butylbenzene	ND	40 µg/L
23 2,2-Dichloropropane	ND	40 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	240 µg/L
24 1,2-Dichloroethane	ND	40 µg/L	68 1,2,4-Trichlorobenzene	ND	160 µg/L
25 1,1,1-Trichloroethane	ND	40 µg/L	69 Naphthalene	ND	160 µg/L
26 1,1-Dichloropropene	ND	40 µg/L	70 1,2,3-Trichlorobenzene	ND	160 µg/L
27 Carbon tetrachloride	ND	40 µg/L	71 Surr: 1,2-Dichloroethane-d4	99	(70-130) %REC
28 Benzene	3,900	20 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	40 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	40 µg/L			
31 1,2-Dichloropropane	ND	40 µg/L			
32 Trichloroethene	ND	40 µg/L			
33 Bromodichloromethane	ND	40 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	200 µg/L			
35 cis-1,3-Dichloropropene	ND	40 µg/L			
36 trans-1,3-Dichloropropene	ND	40 µg/L			
37 1,1,2-Trichloroethane	ND	40 µg/L			
38 Toluene	46	20 µg/L			
39 1,3-Dichloropropane	ND	40 µg/L			
40 2-Hexanone	ND	40 µg/L			
41 Dibromochloromethane	ND	40 µg/L			
42 1,2-Dibromoethane (EDB)	ND	80 µg/L			
43 Tetrachloroethene	ND	40 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	40 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-21A
Client I.D. Number: EB-7

Sampled: 05/27/10 15:00
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	106	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*
Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS
6/8/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-22A
Client I.D. Number: EB-8

Sampled: 05/27/10 14:50
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	1.0 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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PS

6/8/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-23A
Client I.D. Number: GWR-1

Sampled: 05/27/10 14:39
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	10 µg/L	45 Chlorobenzene	ND	10 µg/L
2 Chloromethane	ND	40 µg/L	46 Ethylbenzene	16	5.0 µg/L
3 Vinyl chloride	ND	10 µg/L	47 m,p-Xylene	34	5.0 µg/L
4 Chloroethane	ND	10 µg/L	48 Bromoform	ND	10 µg/L
5 Bromomethane	ND	40 µg/L	49 Styrene	ND	10 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	5.0 µg/L
7 Acetone	ND	200 µg/L	51 1,1,2,2-Tetrachloroethane	ND	10 µg/L
8 1,1-Dichloroethene	ND	10 µg/L	52 1,2,3-Trichloropropane	ND	40 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	100 µg/L	53 Isopropylbenzene	12	10 µg/L
10 Dichloromethane	ND	40 µg/L	54 Bromobenzene	ND	10 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	15	10 µg/L
12 Carbon disulfide	ND	50 µg/L	56 4-Chlorotoluene	ND	10 µg/L
13 trans-1,2-Dichloroethene	ND	10 µg/L	57 2-Chlorotoluene	ND	10 µg/L
14 Methyl tert-butyl ether (MTBE)	23	5.0 µg/L	58 1,3,5-Trimethylbenzene	ND	10 µg/L
15 1,1-Dichloroethane	ND	10 µg/L	59 tert-Butylbenzene	ND	10 µg/L
16 Vinyl acetate	ND	1,000 µg/L	60 1,2,4-Trimethylbenzene	ND	10 µg/L
17 2-Butanone (MEK)	ND	200 µg/L	61 sec-Butylbenzene	ND	10 µg/L
18 Di-isopropyl Ether (DIPE)	27	10 µg/L	62 1,3-Dichlorobenzene	ND	10 µg/L
19 cis-1,2-Dichloroethene	ND	10 µg/L	63 1,4-Dichlorobenzene	ND	10 µg/L
20 Bromochloromethane	ND	10 µg/L	64 4-Isopropyltoluene	ND	10 µg/L
21 Chloroform	ND	10 µg/L	65 1,2-Dichlorobenzene	ND	10 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	10 µg/L	66 n-Butylbenzene	ND	10 µg/L
23 2,2-Dichloropropane	ND	10 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	60 µg/L
24 1,2-Dichloroethane	ND	10 µg/L	68 1,2,4-Trichlorobenzene	ND	40 µg/L
25 1,1,1-Trichloroethane	ND	10 µg/L	69 Naphthalene	ND	40 µg/L
26 1,1-Dichloropropene	ND	10 µg/L	70 1,2,3-Trichlorobenzene	ND	40 µg/L
27 Carbon tetrachloride	ND	10 µg/L	71 Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC
28 Benzene	800	5.0 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	10 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	10 µg/L			
31 1,2-Dichloropropane	ND	10 µg/L			
32 Trichloroethene	ND	10 µg/L			
33 Bromodichloromethane	ND	10 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	50 µg/L			
35 cis-1,3-Dichloropropene	ND	10 µg/L			
36 trans-1,3-Dichloropropene	ND	10 µg/L			
37 1,1,2-Trichloroethane	ND	10 µg/L			
38 Toluene	9.5	5.0 µg/L			
39 1,3-Dichloropropane	ND	10 µg/L			
40 2-Hexanone	ND	100 µg/L			
41 Dibromochloromethane	ND	10 µg/L			
42 1,2-Dibromoethane (EDB)	ND	20 µg/L			
43 Tetrachloroethene	ND	10 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	10 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10052844-24A
Client I.D. Number: DUP-4

Sampled: 05/27/10 00:00
Received: 05/28/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	45 Chlorobenzene	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	46 Ethylbenzene	44	1.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	47 m,p-Xylene	2.2	1.0 µg/L
4 Chloroethane	ND	2.0 µg/L	48 Bromoform	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	49 Styrene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	1.0 µg/L
7 Acetone	ND	40 µg/L	51 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	52 1,2,3-Trichloropropane	ND	8.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	53 Isopropylbenzene	17	2.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	54 Bromobenzene	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	14	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	56 4-Chlorotoluene	ND	2.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	57 2-Chlorotoluene	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	1.0 µg/L	58 1,3,5-Trimethylbenzene	2.2	2.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	59 tert-Butylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	60 1,2,4-Trimethylbenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	61 sec-Butylbenzene	5.0	2.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	62 1,3-Dichlorobenzene	ND	2.0 µg/L
19 cis-1,2-Dichloroethene	ND	2.0 µg/L	63 1,4-Dichlorobenzene	ND	2.0 µg/L
20 Bromochloromethane	ND	2.0 µg/L	64 4-Isopropyltoluene	ND	2.0 µg/L
21 Chloroform	ND	2.0 µg/L	65 1,2-Dichlorobenzene	ND	2.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	66 n-Butylbenzene	ND	2.0 µg/L
23 2,2-Dichloropropane	ND	2.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
24 1,2-Dichloroethane	ND	2.0 µg/L	68 1,2,4-Trichlorobenzene	ND	8.0 µg/L
25 1,1,1-Trichloroethane	ND	2.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	2.0 µg/L	70 1,2,3-Trichlorobenzene	ND	8.0 µg/L
27 Carbon tetrachloride	ND	2.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	105	(70-130) %REC
28 Benzene	54	1.0 µg/L	72 Surr: Toluene-d8	100	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	2.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	2.0 µg/L			
31 1,2-Dichloropropane	ND	2.0 µg/L			
32 Trichloroethene	ND	2.0 µg/L			
33 Bromodichloromethane	ND	2.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	2.0 µg/L			
36 trans-1,3-Dichloropropene	ND	2.0 µg/L			
37 1,1,2-Trichloroethane	ND	2.0 µg/L			
38 Toluene	5.0	1.0 µg/L			
39 1,3-Dichloropropane	ND	2.0 µg/L			
40 2-Hexanone	ND	2.0 µg/L			
41 Dibromochloromethane	ND	2.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	2.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS

6/8/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: GMT10052844

Job: KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10052844-01A	TB-4	Aqueous	2
10052844-02A	PZ-5	Aqueous	2
10052844-03A	DUP-5	Aqueous	2
10052844-04A	GMW-4	Aqueous	2
10052844-05A	GMW-27	Aqueous	2
10052844-06A	MW-SF-9	Aqueous	2
10052844-07A	GMW-39	Aqueous	2
10052844-08A	DUP-3	Aqueous	2
10052844-09A	WCW-4	Aqueous	2
10052844-10A	WCW-7	Aqueous	2
10052844-11A	MW-20(MID)	Aqueous	2
10052844-12A	MW-6	Aqueous	2
10052844-13A	HL-3	Aqueous	2
10052844-14A	MW-8	Aqueous	2
10052844-15A	WCW-8	Aqueous	2
10052844-16A	GMW-O-10	Aqueous	2
10052844-17A	PZ-10	Aqueous	2
10052844-18A	GMW-1	Aqueous	2
10052844-19A	MW-9	Aqueous	2
10052844-20A	MW-SF-1	Aqueous	2
10052844-21A	EB-7	Aqueous	2
10052844-22A	EB-8	Aqueous	2
10052844-23A	GWR-1	Aqueous	2
10052844-24A	DUP-4	Aqueous	2



Alpha Analytical, Inc.

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Date:

08-Jun-10

QC Summary Report

Work Order:

10052844

Method Blank

File ID: 1A05281038.D

Sample ID: MBLK-24355

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	0.156		0.15		104	57	147			

Type: MBLK Test Code: EPA Method SW8015B / E

Batch ID: 24355

Analysis Date: 05/29/2010 05:05

Run ID: FID_1_100528A

Prep Date: 05/28/2010 13:43

Laboratory Control Spike

File ID: 1A05281039.D

Sample ID: LCS-24355

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.62	0.05	2.5		105	67	130			
Surr: Nonane	0.155		0.15		103	57	147			

Type: LCS Test Code: EPA Method SW8015B / E

Batch ID: 24355

Analysis Date: 05/29/2010 05:30

Run ID: FID_1_100528A

Prep Date: 05/28/2010 13:43

Sample Matrix Spike

File ID: 1A05281041.D

Sample ID: 10052726-13AMS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.42	0.05	2.5	0	97	49	150			
Surr: Nonane	0.108		0.15		72	57	147			

Type: MS Test Code: EPA Method SW8015B / E

Batch ID: 24355

Analysis Date: 05/29/2010 06:20

Run ID: FID_1_100528A

Prep Date: 05/28/2010 13:43

Sample Matrix Spike Duplicate

File ID: 1A05281042.D

Sample ID: 10052726-13AMSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.37	0.05	2.5	0	95	49	150	2.422	2.1(38)	
Surr: Nonane	0.093		0.15		62	57	147			

Type: MSD Test Code: EPA Method SW8015B / E

Batch ID: 24355

Analysis Date: 05/29/2010 06:46

Run ID: FID_1_100528A

Prep Date: 05/28/2010 13:43

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:

08-Jun-10

QC Summary Report

Work Order:

10052844

Method Blank

File ID: 7A06011007.D

Sample ID: MBLK-24363

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	0.137		0.15		91	57	147			

Type: MBLK Test Code: EPA Method SW8015B / E

Batch ID: 24363

Analysis Date: 06/01/2010 13:52

Run ID: FID_7_100601A

Prep Date: 06/01/2010 11:41

Laboratory Control Spike

File ID: 7A06011008.D

Sample ID: LCS-24363

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.42	0.05	2.5		97	67	130			
Surr: Nonane	0.118		0.15		78	57	147			

Type: LCS Test Code: EPA Method SW8015B / E

Batch ID: 24363

Analysis Date: 06/01/2010 14:18

Run ID: FID_7_100601A

Prep Date: 06/01/2010 11:41

Sample Matrix Spike

File ID: 7A06011010.D

Sample ID: 10052844-02AMS

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	3.11	0.05	2.5	0.658	98	49	150			
Surr: Nonane	0.118		0.15		78	57	147			

Type: MS Test Code: EPA Method SW8015B / E

Batch ID: 24363

Analysis Date: 06/01/2010 15:11

Run ID: FID_7_100601A

Prep Date: 06/01/2010 11:41

Sample Matrix Spike Duplicate

File ID: 7A06011011.D

Sample ID: 10052844-02AMSD

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.76	0.05	2.5	0.658	84	49	150	3.105	11.9(38)	
Surr: Nonane	0.108		0.15		72	57	147			

Type: MSD Test Code: EPA Method SW8015B / E

Batch ID: 24363

Analysis Date: 06/01/2010 15:38

Run ID: FID_7_100601A

Prep Date: 06/01/2010 11:41

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date:
08-Jun-10

QC Summary Report

Work Order:
10052844

Method Blank

File ID: 10060141.D

Type: MBLK Test Code: EPA Method SW8015

Batch ID: MS15W0601D

Analysis Date: 06/01/2010 22:14

Sample ID: MBLK MS15W0601D

Units : mg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 22:14

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.00958		0.01		96	70	130			
Surr: Toluene-d8	0.0106		0.01		106	70	130			
Surr: 4-Bromofluorobenzene	0.00928		0.01		93	70	130			

Laboratory Control Spike

File ID: 10060137.D

Type: LCS Test Code: EPA Method SW8015

Batch ID: MS15W0601D

Analysis Date: 06/01/2010 20:45

Sample ID: GLCS MS15W0601D

Units : mg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 20:45

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.399	0.05	0.4		99.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.0102		0.01		102	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.00953		0.01		95	70	130			

Sample Matrix Spike

File ID: 10060144.D

Type: MS Test Code: EPA Method SW8015

Batch ID: MS15W0601D

Analysis Date: 06/01/2010 23:21

Sample ID: 10052844-05AGS

Units : mg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 23:21

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.01	0.25	2	0.09476	96	58	135			
Surr: 1,2-Dichloroethane-d4	0.0503		0.05		101	70	130			
Surr: Toluene-d8	0.0507		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.049		0.05		98	70	130			

Sample Matrix Spike Duplicate

File ID: 10060145.D

Type: MSD Test Code: EPA Method SW8015

Batch ID: MS15W0601D

Analysis Date: 06/01/2010 23:43

Sample ID: 10052844-05AGSD

Units : mg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 23:43

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2	0.25	2	0.09476	95	58	135	2.01	0.6(20)	
Surr: 1,2-Dichloroethane-d4	0.0514		0.05		103	70	130			
Surr: Toluene-d8	0.0503		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0492		0.05		98	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
08-Jun-10

QC Summary Report

Work Order:
10052844

Method Blank

File ID: 10060205.D

Type: MBLK Test Code: EPA Method SW8015

Batch ID: MS15W0602B

Analysis Date: 06/02/2010 09:49

Sample ID: MBLK MS15W0602B

Units : mg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 09:49

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.0107		0.01		107	70	130			
Surr: 4-Bromofluorobenzene	0.00939		0.01		94	70	130			

Laboratory Control Spike

File ID: 10060203.D

Type: LCS Test Code: EPA Method SW8015

Batch ID: MS15W0602B

Analysis Date: 06/02/2010 08:57

Sample ID: GLCS MS15W0602B

Units : mg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 08:57

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.405	0.05	0.4		101	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00982		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.00946		0.01		95	70	130			

Sample Matrix Spike

File ID: 10060216.D

Type: MS Test Code: EPA Method SW8015

Batch ID: MS15W0602B

Analysis Date: 06/02/2010 13:54

Sample ID: 10060123-02AGS

Units : mg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 13:54

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.08	0.25	2	0	104	58	135			
Surr: 1,2-Dichloroethane-d4	0.0539		0.05		108	70	130			
Surr: Toluene-d8	0.0485		0.05		97	70	130			
Surr: 4-Bromofluorobenzene	0.049		0.05		98	70	130			

Sample Matrix Spike Duplicate

File ID: 10060217.D

Type: MSD Test Code: EPA Method SW8015

Batch ID: MS15W0602B

Analysis Date: 06/02/2010 14:17

Sample ID: 10060123-02AGSD

Units : mg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 14:17

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.05	0.25	2	0	102	58	135	2.082	1.7(20)	
Surr: 1,2-Dichloroethane-d4	0.0525		0.05		105	70	130			
Surr: Toluene-d8	0.0493		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0499		0.05		99.9	70	130			

Comments:

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Date:
08-Jun-10

QC Summary Report

Work Order:
10052844

Method Blank

File ID: 10060141.D

Type: MBLK Test Code: EPA Method SW8260B

Batch ID: MS15W0601C

Analysis Date: 06/01/2010 22:14

Sample ID: MBLK MS15W0601C

Units: µg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 22:14

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND		1							
Chloromethane	ND		2							
Vinyl chloride	ND	0.5								
Chloroethane	ND		1							
Bromomethane	ND		2							
Trichlorofluoromethane	ND		10							
Acetone	ND		10							
1,1-Dichloroethene	ND		1							
Tertiary Butyl Alcohol (TBA)	ND		10							
Dichloromethane	ND		5							
Freon-113	ND		10							
Carbon disulfide	ND	2.5								
trans-1,2-Dichloroethene	ND		1							
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND		1							
Vinyl acetate	ND		50							
2-Butanone (MEK)	ND		10							
Di-isopropyl Ether (DIPE)	ND		1							
cis-1,2-Dichloroethene	ND		1							
Bromochloromethane	ND		1							
Chloroform	ND		1							
Ethyl Tertiary Butyl Ether (ETBE)	ND		1							
2,2-Dichloropropane	ND		1							
1,2-Dichloroethane	ND	0.5								
1,1,1-Trichloroethane	ND		1							
1,1-Dichloropropene	ND		1							
Carbon tetrachloride	ND		1							
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND		1							
Dibromomethane	ND		1							
1,2-Dichloropropane	ND		1							
Trichloroethene	ND		1							
Bromodichloromethane	ND		1							
4-Methyl-2-pentanone (MIBK)	ND		10							
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND		1							
Toluene	ND	0.5								
1,3-Dichloropropane	ND		1							
2-Hexanone	ND		5							
Dibromochloromethane	ND		1							
1,2-Dibromoethane (EDB)	ND		2							
Tetrachloroethene	ND		1							
1,1,1,2-Tetrachloroethane	ND		1							
Chlorobenzene	ND		1							
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND		1							
Styrene	ND		1							
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND		1							
1,2,3-Trichloropropane	ND		2							
Isopropylbenzene	ND		1							
Bromobenzene	ND		1							
n-Propylbenzene	ND		1							
4-Chlorotoluene	ND		1							
2-Chlorotoluene	ND		1							
1,3,5-Trimethylbenzene	ND		1							
tert-Butylbenzene	ND		1							
1,2,4-Trimethylbenzene	ND		1							
sec-Butylbenzene	ND		1							
1,3-Dichlorobenzene	ND		1							
1,4-Dichlorobenzene	ND		1							
4-Isopropyltoluene	ND		1							
1,2-Dichlorobenzene	ND		1							



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Date:

08-Jun-10

QC Summary Report

Work Order:

10052844

n-Butylbenzene	ND	1							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5							
1,2,4-Trichlorobenzene	ND	2							
Naphthalene	ND	10							
1,2,3-Trichlorobenzene	ND	2							
Surr: 1,2-Dichloroethane-d4	9.58		10		96	70		130	
Surr: Toluene-d8	10.6		10		106	70		130	
Surr: 4-Bromofluorobenzene	9.28		10		93	70		130	

Laboratory Control Spike

Type: LCS Test Code: EPA Method SW8260B

File ID: 10060135.D

Batch ID: MS15W0601C

Analysis Date: 06/01/2010 20:00

Sample ID: LCS MS15W0601C

Units: µg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 20:00

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.5	1	10		105	80	120			
Methyl tert-butyl ether (MTBE)	9.1	0.5	10		91	62	136			
Benzene	10.2	0.5	10		102	70	130			
Trichloroethene	10.7	1	10		107	70	130			
Toluene	9.67	0.5	10		97	80	120			
Chlorobenzene	9.7	1	10		97	70	130			
Ethylbenzene	9.68	0.5	10		97	80	120			
m,p-Xylene	9.65	0.5	10		97	70	130			
o-Xylene	9.59	0.5	10		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.62		10		96	70	130			
Surr: Toluene-d8	9.83		10		98	70	130			
Surr: 4-Bromofluorobenzene	9.54		10		95	70	130			

Sample Matrix Spike

Type: MS Test Code: EPA Method SW8260B

File ID: 10060142.D

Batch ID: MS15W0601C

Analysis Date: 06/01/2010 22:36

Sample ID: 10052844-05AMS

Units: µg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 22:36

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.9	2.5	50		0	102	60	130		
Methyl tert-butyl ether (MTBE)	47.8	1.3	50		2.6	90	56	141		
Benzene	48.5	1.3	50		0	97	67	130		
Trichloroethene	46.5	2.5	50		0	93	69	130		
Toluene	44.2	1.3	50		0	88	66	130		
Chlorobenzene	44.1	2.5	50		0	88	70	130		
Ethylbenzene	44.2	1.3	50		0	88	68	130		
m,p-Xylene	44.4	1.3	50		0	89	64	130		
o-Xylene	43.9	1.3	50		0	88	70	130		
Surr: 1,2-Dichloroethane-d4	50		50		100	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	49.2		50		98	70	130			

Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW8260B

File ID: 10060143.D

Batch ID: MS15W0601C

Analysis Date: 06/01/2010 22:58

Sample ID: 10052844-05AMSD

Units: µg/L

Run ID: MSD_15_100601A

Prep Date: 06/01/2010 22:58

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	52.5	2.5	50		0	105	60	130	50.91	3.1(20)
Methyl tert-butyl ether (MTBE)	49.8	1.3	50		2.6	94	56	141	47.83	4.0(20)
Benzene	49.8	1.3	50		0	99.5	67	130	48.48	2.6(20)
Trichloroethene	48.6	2.5	50		0	97	69	130	46.54	4.3(20)
Toluene	45.9	1.3	50		0	92	66	130	44.15	3.8(20)
Chlorobenzene	46.6	2.5	50		0	93	70	130	44.1	5.4(20)
Ethylbenzene	46.6	1.3	50		0	93	68	130	44.19	5.3(20)
m,p-Xylene	45.7	1.3	50		0	91	64	130	44.42	2.8(20)
o-Xylene	46.1	1.3	50		0	92	70	130	43.86	4.9(20)
Surr: 1,2-Dichloroethane-d4	49.2		50		98	70	130			
Surr: Toluene-d8	48.1		50		96	70	130			
Surr: 4-Bromofluorobenzene	48.6		50		97	70	130			



Alpha Analytical, Inc.

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Date:
08-Jun-10

QC Summary Report

Work Order:
10052844

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
08-Jun-10

QC Summary Report

Work Order:
10052844

Method Blank

Type: **MBLK** Test Code: **EPA Method SW8260B**

File ID: **10060205.D**

Batch ID: **MS15W0602A**

Analysis Date: **06/02/2010 09:49**

Sample ID: **MBLK MS15W0602A**

Units: **µg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 09:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND		1							
Chloromethane	ND		2							
Vinyl chloride	ND	0.5								
Chloroethane	ND		1							
Bromomethane	ND		2							
Trichlorofluoromethane	ND		10							
Acetone	ND		10							
1,1-Dichloroethene	ND		1							
Tertiary Butyl Alcohol (TBA)	ND		10							
Dichloromethane	ND		5							
Freon-113	ND		10							
Carbon disulfide	ND	2.5								
trans-1,2-Dichloroethene	ND		1							
Methyl tert-butyl ether (MTBE)	ND	0.5								
1,1-Dichloroethane	ND		1							
Vinyl acetate	ND	50								
2-Butanone (MEK)	ND		10							
Di-isopropyl Ether (DIPE)	ND		1							
cis-1,2-Dichloroethene	ND		1							
Bromochloromethane	ND		1							
Chloroform	ND		1							
Ethyl Tertiary Butyl Ether (ETBE)	ND		1							
2,2-Dichloropropane	ND		1							
1,2-Dichloroethane	ND	0.5								
1,1,1-Trichloroethane	ND		1							
1,1-Dichloropropene	ND		1							
Carbon tetrachloride	ND		1							
Benzene	ND	0.5								
Tertiary Amyl Methyl Ether (TAME)	ND		1							
Dibromomethane	ND		1							
1,2-Dichloropropane	ND		1							
Trichloroethene	ND		1							
Bromodichloromethane	ND		1							
4-Methyl-2-pentanone (MIBK)	ND		10							
cis-1,3-Dichloropropene	ND	0.5								
trans-1,3-Dichloropropene	ND	0.5								
1,1,2-Trichloroethane	ND		1							
Toluene	ND	0.5								
1,3-Dichloropropane	ND		1							
2-Hexanone	ND		5							
Dibromochloromethane	ND		1							
1,2-Dibromoethane (EDB)	ND		2							
Tetrachloroethene	ND		1							
1,1,1,2-Tetrachloroethane	ND		1							
Chlorobenzene	ND		1							
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
Bromoform	ND		1							
Styrene	ND		1							
o-Xylene	ND	0.5								
1,1,2,2-Tetrachloroethane	ND		1							
1,2,3-Trichloropropane	ND		2							
Isopropylbenzene	ND		1							
Bromobenzene	ND		1							
n-Propylbenzene	ND		1							
4-Chlorotoluene	ND		1							
2-Chlorotoluene	ND		1							
1,3,5-Trimethylbenzene	ND		1							
tert-Butylbenzene	ND		1							
1,2,4-Trimethylbenzene	ND		1							
sec-Butylbenzene	ND		1							
1,3-Dichlorobenzene	ND		1							
1,4-Dichlorobenzene	ND		1							
4-Isopropyltoluene	ND		1							
1,2-Dichlorobenzene	ND		1							



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QC Summary Report

Date: 08-Jun-10 Work Order: 10052844

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Surr: 1,2-Dichloroethane-d4	10.1	10	101	70	130	
Surr: Toluene-d8	10.7	10	107	70	130	
Surr: 4-Bromofluorobenzene	9.39	10	94	70	130	

Laboratory Control Spike

Type: LCS Test Code: EPA Method SW8260B

File ID: 10060202.D

Batch ID: MS15W0602A

Analysis Date: 06/02/2010 08:35

Sample ID: LCS MS15W0602A

Units: µg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 08:35

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.8	1	10		108	80	120			
Methyl tert-butyl ether (MTBE)	9.27	0.5	10		93	62	136			
Benzene	10.5	0.5	10		105	70	130			
Trichloroethene	10.4	1	10		104	70	130			
Toluene	9.82	0.5	10		98	80	120			
Chlorobenzene	9.89	1	10		99	70	130			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	9.85	0.5	10		99	70	130			
o-Xylene	9.68	0.5	10		97	70	130			
Surr: 1,2-Dichloroethane-d4	9.81		10		98	70	130			
Surr: Toluene-d8	9.74		10		97	70	130			
Surr: 4-Bromofluorobenzene	9.97		10		99.7	70	130			

Sample Matrix Spike

Type: MS Test Code: EPA Method SW8260B

File ID: 10060214.D

Batch ID: MS15W0602A

Analysis Date: 06/02/2010 13:10

Sample ID: 10060123-02AMS

Units: µg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 13:10

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.7	2.5	50	0	103	60	130			
Methyl tert-butyl ether (MTBE)	48.5	1.3	50	0	97	56	141			
Benzene	49.3	1.3	50	0	99	67	130			
Trichloroethene	46.8	2.5	50	0	94	69	130			
Toluene	45.6	1.3	50	1.16	89	66	130			
Chlorobenzene	43.9	2.5	50	0	88	70	130			
Ethylbenzene	45.7	1.3	50	0.68	90	68	130			
m,p-Xylene	46.6	1.3	50	1.99	89	64	130			
o-Xylene	45.1	1.3	50	0.71	89	70	130			
Surr: 1,2-Dichloroethane-d4	51.7		50		103	70	130			
Surr: Toluene-d8	47.6		50		95	70	130			
Surr: 4-Bromofluorobenzene	47.8		50		96	70	130			

Sample Matrix Spike Duplicate

Type: MSD Test Code: EPA Method SW8260B

File ID: 10060215.D

Batch ID: MS15W0602A

Analysis Date: 06/02/2010 13:32

Sample ID: 10060123-02AMSD

Units: µg/L

Run ID: MSD_15_100602B

Prep Date: 06/02/2010 13:32

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	55.3	2.5	50	0	111	60	130	51.74	6.6(20)	
Methyl tert-butyl ether (MTBE)	52.8	1.3	50	0	106	56	141	48.46	8.5(20)	
Benzene	53	1.3	50	0	106	67	130	49.33	7.1(20)	
Trichloroethene	49.6	2.5	50	0	99	69	130	46.76	6.0(20)	
Toluene	49	1.3	50	1.16	96	66	130	45.59	7.2(20)	
Chlorobenzene	47.3	2.5	50	0	95	70	130	43.92	7.5(20)	
Ethylbenzene	49.1	1.3	50	0.68	97	68	130	45.73	7.1(20)	
m,p-Xylene	49.6	1.3	50	1.99	95	64	130	46.62	6.3(20)	
o-Xylene	48.2	1.3	50	0.71	95	70	130	45.08	6.7(20)	
Surr: 1,2-Dichloroethane-d4	52.5		50		105	70	130			
Surr: Toluene-d8	47.6		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	70	130			

CHAIN-OF-CUSTODY RECORD

CA

WorkOrder : GMTC10052844
Report Due By : 5:00 PM On : 09-Jun-10

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention	Phone Number	E Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp	Samples Received	Date Printed
4 °C	28-May-10	28-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests			Sample Remarks
				TPH/E_W	TPH/P_W	VOC_W	
GMT10052844-01A	TB-4	AQ 05/27/10 07:00	2 0 7			TPHE(0.10)	Reno TB, (2) 4/28/10
GMT10052844-02A	PZ-5	AQ 05/27/10 13:55	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-03A	DUP-5	AQ 05/27/10 00:00	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-04A	GMW-4	AQ 05/27/10 13:13	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-05A	GMW-27	AQ 05/27/10 10:53	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-06A	MW-SF-9	AQ 05/27/10 12:33	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-07A	GMW-39	AQ 05/27/10 10:06	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-08A	DUP-3	AQ 05/27/10 00:00	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-09A	WCW-4	AQ 05/27/10 09:25	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature	Print Name	Company	Date/Time
	Tara Dickinson	Alpha Analytical, Inc.	5/28/10 11:32

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052844
Report Due By : 5:00 PM On : 09-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	E Mail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

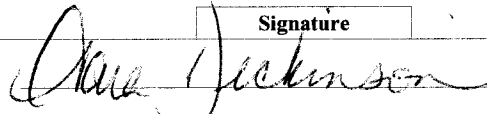
PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 28-May-10 28-May-10

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Date	Alpha	Sub	TAT	Requested Tests			Sample Remarks
							TPHE_W	TPHP_W	VOC_W	
GMT10052844-10A	WCW-7	AQ	05/27/10 08:43	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-11A	MW-20(MID)	AQ	05/27/10 08:23	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-12A	MW-6	AQ	05/27/10 09:07	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-13A	HL-3	AQ	05/27/10 09:50	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-14A	MW-8	AQ	05/27/10 10:24	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-15A	WCW-8	AQ	05/27/10 11:01	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-16A	GMW-O-10	AQ	05/27/10 11:41	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT10052844-17A	PZ-10	AQ	05/27/10 12:27	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Signature	Print Name	Company	Date/Time
	Tara Dickerson	Alpha Analytical, Inc.	5/28/10 1132

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10052844
Report Due By : 5:00 PM On : 09-Jun-10

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	EMail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :

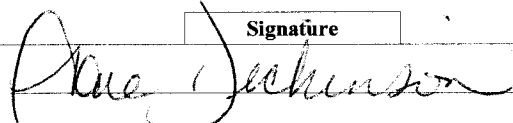
<u>Cooler Temp</u>	<u>Samples Received</u>	<u>Date Printed</u>
4 °C	28-May-10	28-May-10

Client's COC # : none Job : KMEP DFSP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles Alpha Sub TAT	Requested Tests			Sample Remarks
				TPHE_W	TPH/P_W	VOC_W	
GMT10052844-18A	GMW-1	AQ 05/27/10 13:18	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-19A	MW-9	AQ 05/27/10 13:50	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-20A	MW-SF-1	AQ 05/27/10 14:30	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-21A	EB-7	AQ 05/27/10 15:00	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-22A	EB-8	AQ 05/27/10 14:50	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-23A	GWR-1	AQ 05/27/10 14:39	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT10052844-24A	DUP-4	AQ 05/27/10 00:00	6 0 7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Logged in by:	Signature	Print Name	Company	Date/Time
		Tara Dickerson	Alpha Analytical, Inc.	5/28/10 1132

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 3

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MD requirement for TPHg of between 50 to 100 ug/L."

GMT10052844

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)													
				#	Preservation	Type															
TB-4	5-27-10	0700		2	HCL	VOA	X	X													
P2-5		1355		6			Y	X													-01
DUP-5		-					Y	Y													-02
GMW-4		1313					X	X													-03
GMW-27		1053					X	X													-04
MW-SF-9		1233					X	X													-05
GMW-39		1004					X	X													-06
DUP-3		-					X	Y													-07
WCW-4		0925					X	X													-08
WCW-7		0843					Y	Y													-09
																					-10

SAMPLING COMPLETED DATE 5/27/10 TIME 1550 SAMPLING PERFORMED BY T. RHYMES, P. HARMS RESULTS NEEDED NO LATER THAN 24HR TAT STANDARD

RELEASED BY [Signature] TIME RECEIVED BY [Signature] DATE 5/27/10 TIME 1600

RELEASED BY [Signature] TIME RECEIVED BY [Signature] DATE 5/28/10 TIME 1121

RELEASED BY [Signature] TIME RECEIVED BY [Signature] DATE [] TIME []

SHIPPED VIA TIME SENT COOLER #



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Anions by IC
EPA Method 300.0

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-SF-4				
Lab ID : GMT10060101-01A Nitrite (NO2) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 16:59
Date Sampled 05/28/10 08:42 Nitrate (NO3) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 16:59
Sulfate (SO4)	0.85	0.50 mg/L	06/02/10 12:30	06/02/10 15:27
Client ID: GMW-O-14				
Lab ID : GMT10060101-02A Nitrite (NO2) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 17:18
Date Sampled 05/28/10 09:21 Nitrate (NO3) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 17:18
Sulfate (SO4)	150	0.50 mg/L	06/02/10 12:30	06/02/10 15:45
Client ID: GMW-9				
Lab ID : GMT10060101-03A Nitrite (NO2) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 17:36
Date Sampled 05/28/10 08:22 Nitrate (NO3) - N	ND *	0.25 mg/L	06/02/10 12:30	06/02/10 17:36
Sulfate (SO4)	59	0.50 mg/L	06/02/10 12:30	06/02/10 16:04

*Nitrite and Nitrate are analyzed on a preserved sample. The accuracy of Nitrite may be biased low and the Nitrate biased high due to the possible oxidation of Nitrite to Nitrate.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

6/9/10

Report Date



Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Iron by Spectrophotometer SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-SF-4 Lab ID : GMT10060101-01A Iron, Ferrous (+2) Date Sampled 05/28/10 08:42	0.26	0.050 mg/L	06/04/10	06/04/10
Client ID: GMW-O-14 Lab ID : GMT10060101-02A Iron, Ferrous (+2) Date Sampled 05/28/10 09:21	0.26	0.050 mg/L	06/04/10	06/04/10
Client ID: GMW-9 Lab ID : GMT10060101-03A Iron, Ferrous (+2) Date Sampled 05/28/10 08:22	0.18	0.050 mg/L	06/04/10	06/04/10

Ferrous iron samples were color developed promptly after laboratory login.

Roger Scholl *Randy Gardner* *Walter Hinchman*

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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6/9/10

Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-SF-4				
Lab ID : GMT10060101-01A Alkalinity, Total (As CaCO ₃ at pH 4.5) Date Sampled 05/28/10 08:42	930	10 mg/L	06/02/10	06/02/10
Client ID: GMW-O-14				
Lab ID : GMT10060101-02A Alkalinity, Total (As CaCO ₃ at pH 4.5) Date Sampled 05/28/10 09:21	890	10 mg/L	06/02/10	06/02/10
Client ID: GMW-9				
Lab ID : GMT10060101-03A Alkalinity, Total (As CaCO ₃ at pH 4.5) Date Sampled 05/28/10 08:22	1,000	10 mg/L	06/02/10	06/02/10

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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6/9/10

Report Date



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ANALYTICAL REPORT

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510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Dissolved Metals by ICPMS EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-SF-4 Lab ID : GMT10060101-01A Manganese (Mn), Dissolved Date Sampled 05/28/10 08:42	2.7	0.010 mg/L	06/03/10 10:39	06/03/10
Client ID: GMW-O-14 Lab ID : GMT10060101-02A Manganese (Mn), Dissolved Date Sampled 05/28/10 09:21	1.1	0.010 mg/L	06/03/10 10:39	06/03/10
Client ID: GMW-9 Lab ID : GMT10060101-03A Manganese (Mn), Dissolved Date Sampled 05/28/10 08:22	0.80	0.010 mg/L	06/03/10 10:39	06/03/10

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

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Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Dissolved Gases Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: MW-SF-4 Lab ID: GMT10060101-01A Methane Date Sampled 05/28/10 08:42	8.6	0.010 mg/L	06/01/10 13:43	06/02/10
Client ID: GMW-O-14 Lab ID: GMT10060101-02A Methane Date Sampled 05/28/10 09:21	0.041	0.010 mg/L	06/01/10 13:43	06/02/10
Client ID: GMW-9 Lab ID: GMT10060101-03A Methane Date Sampled 05/28/10 08:22	6.0	0.010 mg/L	06/01/10 13:43	06/02/10

Roger Scholl *Randy Gardner* *Walter Hinchman*

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6/9/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
03-Jun-10

QC Summary Report

Work Order:
10060101

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0**

File ID: **21**

Batch ID: **24376**

Analysis Date: **06/02/2010 13:36**

Sample ID: **MB-24376**

Units : **mg/L**

Run ID: **IC_1_100602A**

Prep Date: **06/02/2010 12:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	0.25								
Nitrate (NO3) - N	ND	0.25								
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0**

File ID: **22**

Batch ID: **24376**

Analysis Date: **06/02/2010 13:54**

Sample ID: **LFB-24376**

Units : **mg/L**

Run ID: **IC_1_100602A**

Prep Date: **06/02/2010 12:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	4.96	0.25	5		99	90	110			
Nitrate (NO3) - N	5.5	0.25	5		110	90	110			
Sulfate (SO4)	108	0.5	100		108	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0**

File ID: **25**

Batch ID: **24376**

Analysis Date: **06/02/2010 14:50**

Sample ID: **10060201-06ALFM**

Units : **mg/L**

Run ID: **IC_1_100602A**

Prep Date: **06/02/2010 12:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	9.37	0.25	10	0	94	80	120			
Nitrate (NO3) - N	11.1	0.25	10	0	111	80	120			
Sulfate (SO4)	208	0.5	200	7.401	100	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0**

File ID: **26**

Batch ID: **24376**

Analysis Date: **06/02/2010 15:08**

Sample ID: **10060201-06ALFMD**

Units : **mg/L**

Run ID: **IC_1_100602A**

Prep Date: **06/02/2010 12:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	10.2	0.25	10	0	102	80	120	9.372	8.5(15)	
Nitrate (NO3) - N	10.9	0.25	10	0	109	80	120	11.13	2.3(15)	
Sulfate (SO4)	208	0.5	200	7.401	101	80	120	207.7	0.4(15)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
09-Jun-10

QC Summary Report

Work Order:
10060101

Method Blank

File ID:	Type: MBLK	Test Code: SM3500-Fe B								
Sample ID: MBLK-W0604FR	Units : mg/L	Run ID: WETLAB_100604A	Batch ID: W0604FR	Analysis Date: 06/04/2010 00:00						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	ND	0.05								

Laboratory Control Spike

File ID:	Type: LCS	Test Code: SM3500-Fe B								
Sample ID: LCS-W0604FR	Units : mg/L	Run ID: WETLAB_100604A	Batch ID: W0604FR	Analysis Date: 06/04/2010 00:00						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.43	0.05	1.5		95	85	115			

Sample Matrix Spike

File ID:	Type: MS	Test Code: SM3500-Fe B								
Sample ID: 10052826-02AMS	Units : mg/L	Run ID: WETLAB_100604A	Batch ID: W0604FR	Analysis Date: 06/04/2010 00:00						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.55	0.05	1.5		0	103	70	130		

Sample Matrix Spike Duplicate

File ID:	Type: MSD	Test Code: SM3500-Fe B								
Sample ID: 10052826-02AMSD	Units : mg/L	Run ID: WETLAB_100604A	Batch ID: W0604FR	Analysis Date: 06/04/2010 00:00						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.58	0.05	1.5		0	105	70	130	1.546	2.2(20)

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
04-Jun-10

QC Summary Report

Work Order:
10060101

Laboratory Control Spike

Type **LCS**

Test Code: **SM2320B**

File ID:

Batch ID: **W0602AL**

Analysis Date: **06/02/2010 11:38**

Sample ID: **LCS-W0602AL**

Units : **mg/L**

Run ID: **WETLAB_100602A**

Prep Date: **06/02/2010 11:38**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Total (As CaCO ₃ at pH 4.5)	258	10	250		103	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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Date:
09-Jun-10

QC Summary Report

Work Order:
10060101

Method Blank

Type: **MBLK** Test Code: **EPA Method 200.8**

File ID: **060310.B\79.D**

Batch ID: **24379**

Analysis Date: **06/03/2010 18:53**

Sample ID: **MB-24379**

Units : **mg/L**

Run ID: **ICP/MS_100603B**

Prep Date: **06/03/2010 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	ND	0.005								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method 200.8**

File ID: **060310.B\79L1.D**

Batch ID: **24379**

Analysis Date: **06/03/2010 18:59**

Sample ID: **LCS-24379**

Units : **mg/L**

Run ID: **ICP/MS_100603B**

Prep Date: **06/03/2010 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0524	0.005	0.05		105	83	120			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method 200.8**

File ID: **060310.B\79M.D**

Batch ID: **24379**

Analysis Date: **06/03/2010 19:22**

Sample ID: **10060101-01AMS**

Units : **mg/L**

Run ID: **ICP/MS_100603B**

Prep Date: **06/03/2010 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	2.59	0.005	0.05	2.747	-310	70	130			M3

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method 200.8**

File ID: **060310.B\79D.D**

Batch ID: **24379**

Analysis Date: **06/03/2010 19:28**

Sample ID: **10060101-01AMSD**

Units : **mg/L**

Run ID: **ICP/MS_100603B**

Prep Date: **06/03/2010 10:39**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	2.54	0.005	0.05	2.747	-420	70	130	2.594	2.3(20)	M3

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.



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Date:
03-Jun-10

QC Summary Report

Work Order:
10060101

Method Blank

Type **MBLK** Test Code: **Modified Method RSK-175 GC/FID**

File ID:				Batch ID: 24366				Analysis Date: 06/02/2010 10:22		
Sample ID: MBLK-24366	Units : mg/L			Run ID: FID_6_100602A				Prep Date: 06/01/2010 13:43		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	ND	0.01								J

Laboratory Control Spike

Type **LCS** Test Code: **Modified Method RSK-175 GC/FID**

File ID:				Batch ID: 24366				Analysis Date: 06/02/2010 10:41		
Sample ID: LCS-24366	Units : mg/L			Run ID: FID_6_100602A				Prep Date: 06/01/2010 13:43		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	0.363	0.01	0.452		80	70	130			

Sample Matrix Spike

Type **MS** Test Code: **Modified Method RSK-175 GC/FID**

File ID:				Batch ID: 24366				Analysis Date: 06/02/2010 11:18		
Sample ID: 10052626-01AMS	Units : mg/L			Run ID: FID_6_100602A				Prep Date: 06/01/2010 13:43		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	1.66	0.01	1.81	0.01	91	70	130			

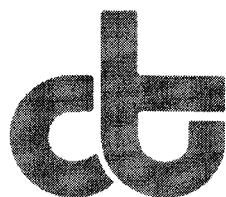
Sample Matrix Spike Duplicate

Type **MSD** Test Code: **Modified Method RSK-175 GC/FID**

File ID:				Batch ID: 24366				Analysis Date: 06/02/2010 11:36		
Sample ID: 10052626-01AMSD	Units : mg/L			Run ID: FID_6_100602A				Prep Date: 06/01/2010 13:43		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	1.62	0.01	1.81	0.01	89	70	130	1.658	2.4(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 220488
ANALYTICAL REPORT**

Alpha Analytical, Inc.
255 Glendale Ave.
Sparks, NV 89431

Project : STANDARD
Location : GMT10060101
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
MW-SF-4	220488-001
MW-O-14	220488-002
GMW-9	220488-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 06/10/2010

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 220488
Client: Alpha Analytical, Inc.
Location: GMT10060101
Request Date: 06/02/10
Samples Received: 06/02/10

This data package contains sample and QC results for three water samples, requested for the above referenced project on 06/02/10. The samples were received cold and intact.

Dissolved Gases by GC/FID (RSK-175):

No analytical problems were encountered.

Dissolved CO2 by GC TCD			
Lab #:	220488	Location:	GMT10060101
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Sampled:	05/28/10
Matrix:	Water	Received:	06/02/10
Units:	mg/L	Analyzed:	06/03/10
Batch#:	163635		

Field ID	Type	Lab ID	Result	RL	Diln Fac
MW-SF-4	SAMPLE	220488-001	130	10	10.00
MW-O-14	SAMPLE	220488-002	78	1.0	1.000
GMW-9	SAMPLE	220488-003	82	25	25.00
	BLANK	QC547046	ND	1.0	1.000

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	220488	Location:	GMT10060101
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	163635
Units:	mg/L	Analyzed:	06/03/10

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC547047	1.799	1.435	80	71-123		
BSD	QC547048	1.799	1.662	92	71-123	15	29

RPD= Relative Percent Difference

Billing Information :

CHAIN-OF-CUSTODY RECORD

AMENDED
Page: 1 of 1

CA

WorkOrder : GMTC10060101

Report Due By : 5:00 PM On : 10-Jun-2010

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

Client:
AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com
Alex Padilla	(949) 642-0245 x	alex.padilla@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp 4 °C Samples Received 29-May-2010 Date Printed 01-Jun-2010

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks
				Alpha	Sub	TAT	300_0_W	3500FE_20 S_W	ALKALINIT Y_W	CO2_FREE	METALS_D S	METHANE_W	
GMT10060101-01A	MW-SF-4	AQ	05/28/10 08:42	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10060101-02A	GMW-O-14	AQ	05/28/10 09:21	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10060101-03A	GMW-9	AQ	05/28/10 08:22	5	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples received 5/29/10 kept cold and secure until login on 6/1/10. CO2 subbed to Curtis & Tompkins. Samples were received outside the 48 Hour holding time for NO2 and NO3 for an unpreserved : bottle, therefore, the H2SO4 bottle will be used for NO2 and NO3 analysis. Amended 6/1/10 @ 13:28: Per email from Shiow-Whei added Alex Padilla as CC. EA

Signature	Print Name	Company	Date/Time
<i>Elizabeth Adcox</i>	Elizabeth Adcox	Alpha Analytical, Inc.	6/1/10 1332

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

CA

WorkOrder : GMTC10060101
Report Due By : 5:00 PM On : 10-Jun-2010

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, P. Harms

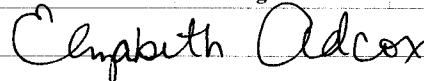
PO :
 Client's COC # : none Job : KMEP DFSP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 29-May-2010 01-Jun-2010

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Date	No. of Bottles			Requested Tests						Sample Remarks
				Alpha	Sub	TAT	300_0_W	3500FE_20_S_W	ALKALINIT_Y_W	CO2_FREE	METALS_D_S	METHANE_W	
GMT10060101-01A	MW-SF-4	AQ	05/28/10 08:42	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10060101-02A	GMW-O-14	AQ	05/28/10 09:21	7	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	
GMT10060101-03A	GMW-9	AQ	05/28/10 08:22	5	3	7	NO2, NO3, SO4	FE+2	Alk	CO2 Free (Diss)	Mn	CH4	

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples received 5/29/10 kept cold and secure until login on 6/1/10. CO2 subbed to Curtis & Tompkins. Samples were received outside the 48 Hour holding time for NO2 and NO3 for an unpreserved : bottle, therefore, the H2SO4 bottle will be used for NO2 and NO3 analysis.

Signature	Print Name	Company	Date/Time
	Elizabeth Adcox	Alpha Analytical, Inc.	6-1-10 8:25

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

CHAIN OF CUSTODY

CLIENT
 Kinder Morgan

SITE
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	#	CONTAINERS		Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE
					H ₂ SO ₄ HCL Zn D Preservation	250 Poly VOA VOA + Poly Type										
MW-SF-4	5/28	0842	AQ	10	X	X	X	X	X	X	X	X				GMT 10066
GMW-0-14	5/28	0921	AQ	10	X	X	X	X	X	X	X	X				-C
GMW-9	5/28	0822	AQ	10	X	X	X	X	X	X	X	X				-D
																-D

SAMPLING COMPLETED DATE 5/28/10 TIME 1310 SAMPLING PERFORMED BY T. Rhymes, P. Harrow RESULTS NEEDED NO LATER THAN Standard

RELEASED BY (SC) [Signature] TIME 1420 RECEIVED BY [Signature] DATE 5/28/10 TIME 1420
 RELEASED BY [Signature] TIME 1420 RECEIVED BY Chabuth Adcox DATE 6-1-10 TIME 8:25

SHIPPED VIA TIME SENT COOLER #



Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 05/29/10

Job: KMEP DFSP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	EB-9				
Lab ID :	TPH-E (Fuel Product)	ND	0.10 mg/L	06/04/10 09:37	06/04/10
Date Sampled	Surr: Nonane	75	(57-147) %REC	06/04/10 09:37	06/04/10
	TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
	Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC	06/02/10	06/02/10
	Surr: Toluene-d8	103	(70-130) %REC	06/02/10	06/02/10
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	06/02/10	06/02/10
Client ID :	EB-10				
Lab ID :	TPH-E (Fuel Product)	ND	0.10 mg/L	06/04/10 09:37	06/04/10
Date Sampled	Surr: Nonane	78	(57-147) %REC	06/04/10 09:37	06/04/10
	TPH-P (GRO)	ND	0.050 mg/L	06/02/10	06/02/10
	Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	06/02/10	06/02/10
	Surr: Toluene-d8	101	(70-130) %REC	06/02/10	06/02/10
	Surr: 4-Bromofluorobenzene	96	(70-130) %REC	06/02/10	06/02/10
Client ID :	MW-SF-4				
Lab ID :	TPH-E (Fuel Product)	8.8 *	0.10 mg/L	06/04/10 09:37	06/04/10
Date Sampled	Surr: Nonane	81	(57-147) %REC	06/04/10 09:37	06/04/10
	TPH-P (GRO)	17	5.0 mg/L	06/02/10	06/02/10
	Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC	06/02/10	06/02/10
	Surr: Toluene-d8	101	(70-130) %REC	06/02/10	06/02/10
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	06/02/10	06/02/10
Client ID :	GMW-O-14				
Lab ID :	TPH-E (Fuel Product)	7.4 *	0.10 mg/L	06/04/10 09:37	06/04/10
Date Sampled	Surr: Nonane	82	(57-147) %REC	06/04/10 09:37	06/04/10
	TPH-P (GRO)	26	5.0 mg/L	06/02/10	06/02/10
	Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC	06/02/10	06/02/10
	Surr: Toluene-d8	101	(70-130) %REC	06/02/10	06/02/10
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	06/02/10	06/02/10
Client ID :	DUP-6				
Lab ID :	TPH-E (Fuel Product)	7.8 *	0.10 mg/L	06/04/10 09:37	06/05/10
Date Sampled	Surr: Nonane	83	(57-147) %REC	06/04/10 09:37	06/05/10
	TPH-P (GRO)	27	5.0 mg/L	06/02/10	06/02/10
	Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC	06/02/10	06/02/10
	Surr: Toluene-d8	99	(70-130) %REC	06/02/10	06/02/10
	Surr: 4-Bromofluorobenzene	96	(70-130) %REC	06/02/10	06/02/10



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

PS
6/9/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-01A
Client I.D. Number: EB-9

Sampled: 05/28/10 13:00
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-02A
Client I.D. Number: EB-10

Sampled: 05/28/10 13:05
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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Alpha Analytical, Inc.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-03A
Client I.D. Number: TB-5

Sampled: 05/28/10 07:00
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

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6/9/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-04A
Client I.D. Number: MW-SF-4

Sampled: 05/28/10 08:42
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	45 Chlorobenzene	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	46 Ethylbenzene	370	25 µg/L
3 Vinyl chloride	ND	50 µg/L	47 m,p-Xylene	250	25 µg/L
4 Chloroethane	ND	50 µg/L	48 Bromoform	ND	50 µg/L
5 Bromomethane	ND	200 µg/L	49 Styrene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	50 o-Xylene	ND	25 µg/L
7 Acetone	ND	1,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	52 1,2,3-Trichloropropane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	53 Isopropylbenzene	ND	50 µg/L
10 Dichloromethane	ND	200 µg/L	54 Bromobenzene	ND	50 µg/L
11 Freon-113	ND	50 µg/L	55 n-Propylbenzene	70	50 µg/L
12 Carbon disulfide	ND	250 µg/L	56 4-Chlorotoluene	ND	50 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	57 2-Chlorotoluene	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	440	25 µg/L	58 1,3,5-Trimethylbenzene	ND	50 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	59 tert-Butylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	60 1,2,4-Trimethylbenzene	140	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	61 sec-Butylbenzene	ND	50 µg/L
18 Di-isopropyl Ether (DIPE)	120	50 µg/L	62 1,3-Dichlorobenzene	ND	50 µg/L
19 cis-1,2-Dichloroethene	ND	50 µg/L	63 1,4-Dichlorobenzene	ND	50 µg/L
20 Bromochloromethane	ND	50 µg/L	64 4-Isopropyltoluene	ND	50 µg/L
21 Chloroform	ND	50 µg/L	65 1,2-Dichlorobenzene	ND	50 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	50 µg/L	66 n-Butylbenzene	ND	50 µg/L
23 2,2-Dichloropropane	ND	50 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
24 1,2-Dichloroethane	ND	50 µg/L	68 1,2,4-Trichlorobenzene	ND	200 µg/L
25 1,1,1-Trichloroethane	ND	50 µg/L	69 Naphthalene	ND	200 µg/L
26 1,1-Dichloropropene	ND	50 µg/L	70 1,2,3-Trichloroethane-d4	ND	200 µg/L
27 Carbon tetrachloride	ND	50 µg/L	71 Surr: 1,2-Dichloroethane-d4	103	(70-130) %REC
28 Benzene	7,200	25 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	50 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	50 µg/L			
31 1,2-Dichloropropane	ND	50 µg/L			
32 Trichloroethene	ND	50 µg/L			
33 Bromodichloromethane	ND	50 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L			
35 cis-1,3-Dichloropropene	ND	50 µg/L			
36 trans-1,3-Dichloropropene	ND	50 µg/L			
37 1,1,2-Trichloroethane	ND	50 µg/L			
38 Toluene	39	25 µg/L			
39 1,3-Dichloropropane	ND	50 µg/L			
40 2-Hexanone	ND	500 µg/L			
41 Dibromochloromethane	ND	50 µg/L			
42 1,2-Dibromoethane (EDB)	ND	100 µg/L			
43 Tetrachloroethene	ND	50 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	50 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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6/9/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-05A
Client I.D. Number: GMW-O-14

Sampled: 05/28/10 09:21
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	45 Chlorobenzene	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	46 Ethylbenzene	370	25 µg/L
3 Vinyl chloride	ND	50 µg/L	47 m,p-Xylene	1,300	25 µg/L
4 Chloroethane	ND	50 µg/L	48 Bromoform	ND	50 µg/L
5 Bromomethane	ND	200 µg/L	49 Styrene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	50 o-Xylene	880	25 µg/L
7 Acetone	ND	1,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	52 1,2,3-Trichloropropane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	53 Isopropylbenzene	ND	50 µg/L
10 Dichloromethane	ND	200 µg/L	54 Bromobenzene	ND	50 µg/L
11 Freon-113	ND	50 µg/L	55 n-Propylbenzene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	56 4-Chlorotoluene	ND	50 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	57 2-Chlorotoluene	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	25 µg/L	58 1,3,5-Trimethylbenzene	52	50 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	59 tert-Butylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	60 1,2,4-Trimethylbenzene	420	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	61 sec-Butylbenzene	ND	50 µg/L
18 Di-isopropyl Ether (DIPE)	180	50 µg/L	62 1,3-Dichlorobenzene	ND	50 µg/L
19 cis-1,2-Dichloroethene	ND	50 µg/L	63 1,4-Dichlorobenzene	ND	50 µg/L
20 Bromochloromethane	ND	50 µg/L	64 4-Isopropyltoluene	ND	50 µg/L
21 Chloroform	ND	50 µg/L	65 1,2-Dichlorobenzene	ND	50 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	50 µg/L	66 n-Butylbenzene	ND	50 µg/L
23 2,2-Dichloropropane	ND	50 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
24 1,2-Dichloroethane	110	50 µg/L	68 1,2,4-Trichlorobenzene	ND	200 µg/L
25 1,1,1-Trichloroethane	ND	50 µg/L	69 Naphthalene	ND	200 µg/L
26 1,1-Dichloropropene	ND	50 µg/L	70 1,2,3-Trichlorobenzene	ND	200 µg/L
27 Carbon tetrachloride	ND	50 µg/L	71 Surr: 1,2-Dichloroethane-d4	107	(70-130) %REC
28 Benzene	7,900	25 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	50 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	50 µg/L			
31 1,2-Dichloropropane	ND	50 µg/L			
32 Trichloroethene	ND	50 µg/L			
33 Bromodichloromethane	ND	50 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L			
35 cis-1,3-Dichloropropene	ND	50 µg/L			
36 trans-1,3-Dichloropropene	ND	50 µg/L			
37 1,1,2-Trichloroethane	ND	50 µg/L			
38 Toluene	1,500	25 µg/L			
39 1,3-Dichloropropane	ND	50 µg/L			
40 2-Hexanone	ND	500 µg/L			
41 Dibromochloromethane	ND	50 µg/L			
42 1,2-Dibromoethane (EDB)	ND	100 µg/L			
43 Tetrachloroethene	ND	50 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	50 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

[Signature]

6/9/10

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job: KMEP DFSP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT10060102-06A
Client I.D. Number: DUP-6

Sampled: 05/28/10 00:00
Received: 05/29/10
Extracted: 06/02/10
Analyzed: 06/02/10

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	45 Chlorobenzene	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	46 Ethylbenzene	370	25 µg/L
3 Vinyl chloride	ND	50 µg/L	47 m,p-Xylene	1,300	25 µg/L
4 Chloroethane	ND	50 µg/L	48 Bromoform	ND	50 µg/L
5 Bromomethane	ND	200 µg/L	49 Styrene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	50 o-Xylene	900	25 µg/L
7 Acetone	ND	1,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	52 1,2,3-Trichloropropane	ND	200 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	53 Isopropylbenzene	ND	50 µg/L
10 Dichloromethane	ND	200 µg/L	54 Bromobenzene	ND	50 µg/L
11 Freon-113	ND	50 µg/L	55 n-Propylbenzene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	56 4-Chlorotoluene	ND	50 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	57 2-Chlorotoluene	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	25 µg/L	58 1,3,5-Trimethylbenzene	56	50 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	59 tert-Butylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	60 1,2,4-Trimethylbenzene	440	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	61 sec-Butylbenzene	ND	50 µg/L
18 Di-isopropyl Ether (DIPE)	190	50 µg/L	62 1,3-Dichlorobenzene	ND	50 µg/L
19 cis-1,2-Dichloroethene	ND	50 µg/L	63 1,4-Dichlorobenzene	ND	50 µg/L
20 Bromochloromethane	ND	50 µg/L	64 4-Isopropyltoluene	ND	50 µg/L
21 Chloroform	ND	50 µg/L	65 1,2-Dichlorobenzene	ND	50 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	50 µg/L	66 n-Butylbenzene	ND	50 µg/L
23 2,2-Dichloropropane	ND	50 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
24 1,2-Dichloroethane	110	50 µg/L	68 1,2,4-Trichlorobenzene	ND	200 µg/L
25 1,1,1-Trichloroethane	ND	50 µg/L	69 Naphthalene	ND	200 µg/L
26 1,1-Dichloropropene	ND	50 µg/L	70 1,2,3-Trichlorobenzene	ND	200 µg/L
27 Carbon tetrachloride	ND	50 µg/L	71 Surr: 1,2-Dichloroethane-d4	104	(70-130) %REC
28 Benzene	8,100	25 µg/L	72 Surr: Toluene-d8	99	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	50 µg/L	73 Surr: 4-Bromofluorobenzene	96	(70-130) %REC
30 Dibromomethane	ND	50 µg/L			
31 1,2-Dichloropropane	ND	50 µg/L			
32 Trichloroethene	ND	50 µg/L			
33 Bromodichloromethane	ND	50 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L			
35 cis-1,3-Dichloropropene	ND	50 µg/L			
36 trans-1,3-Dichloropropene	ND	50 µg/L			
37 1,1,2-Trichloroethane	ND	50 µg/L			
38 Toluene	1,500	25 µg/L			
39 1,3-Dichloropropane	ND	50 µg/L			
40 2-Hexanone	ND	500 µg/L			
41 Dibromochloromethane	ND	50 µg/L			
42 1,2-Dibromoethane (EDB)	ND	100 µg/L			
43 Tetrachloroethene	ND	50 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	50 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

6/9/10

Report Date

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: GMT10060102

Job: KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
10060102-01A	EB-9	Aqueous	2
10060102-02A	EB-10	Aqueous	2
10060102-03A	TB-5	Aqueous	2
10060102-04A	MW-SF-4	Aqueous	2
10060102-05A	GMW-O-14	Aqueous	2
10060102-06A	DUP-6	Aqueous	2

6/9/10

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
08-Jun-10

QC Summary Report

Work Order:
10060102

Method Blank

		Type	MBLK									Test Code:	EPA Method SW8015B / E		
File ID: 2A06021081.D		Units : mg/L		Run ID: FID_2_100604A			Batch ID: 24389			Analysis Date: 06/04/2010 13:25					
Sample ID: MBLK-24389		Result		SpkVal			SpkRefVal			Prep Date: 06/04/2010 09:37					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual					
TPH-E (Fuel Product)	ND	0.1													
Surr: Nonane	0.114		0.15		76	57	147								

Laboratory Control Spike

		Type	LCS									Test Code:	EPA Method SW8015B / E		
File ID: 2A06021082.D		Units : mg/L		Run ID: FID_2_100604A			Batch ID: 24389			Analysis Date: 06/04/2010 13:50					
Sample ID: LCS-24389		Result		SpkVal			SpkRefVal			Prep Date: 06/04/2010 09:37					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual					
TPH-E (DRO)	2.04	0.05	2.5		81	67	130								
Surr: Nonane	0.105		0.15		70	57	147								

Sample Matrix Spike

		Type	MS									Test Code:	EPA Method SW8015B / E		
File ID: 2A06021085.D		Units : mg/L		Run ID: FID_2_100604A			Batch ID: 24389			Analysis Date: 06/04/2010 15:06					
Sample ID: 10060322-03AMS		Result		SpkVal			SpkRefVal			Prep Date: 06/04/2010 09:37					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual					
TPH-E (DRO)	2.56	0.05	2.5	0.097	98	49	150								
Surr: Nonane	0.119		0.15		79	57	147								

Sample Matrix Spike Duplicate

		Type	MSD									Test Code:	EPA Method SW8015B / E		
File ID: 2A06021086.D		Units : mg/L		Run ID: FID_2_100604A			Batch ID: 24389			Analysis Date: 06/04/2010 15:32					
Sample ID: 10060322-03AMSD		Result		SpkVal			SpkRefVal			Prep Date: 06/04/2010 09:37					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual					
TPH-E (DRO)	2.25	0.05	2.5	0.097	86	49	150	2.557	12.7(38)						
Surr: Nonane	0.121		0.15		81	57	147								

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
08-Jun-10

QC Summary Report

Work Order:
10060102

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015**

File ID: **10060205.D**

Batch ID: **MS15W0602B**

Analysis Date: **06/02/2010 09:49**

Sample ID: **MBLK MS15W0602B**

Units : **mg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 09:49**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05								
Surr: 1,2-Dichloroethane-d4	0.0101		0.01		101	70	130			
Surr: Toluene-d8	0.0107		0.01		107	70	130			
Surr: 4-Bromofluorobenzene	0.00939		0.01		94	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015**

File ID: **10060203.D**

Batch ID: **MS15W0602B**

Analysis Date: **06/02/2010 08:57**

Sample ID: **GLCS MS15W0602B**

Units : **mg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 08:57**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.405	0.05	0.4		101	70	130			
Surr: 1,2-Dichloroethane-d4	0.0104		0.01		104	70	130			
Surr: Toluene-d8	0.00982		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.00946		0.01		95	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015**

File ID: **10060216.D**

Batch ID: **MS15W0602B**

Analysis Date: **06/02/2010 13:54**

Sample ID: **10060123-02AGS**

Units : **mg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 13:54**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.08	0.25	2	0	104	58	135			
Surr: 1,2-Dichloroethane-d4	0.0539		0.05		108	70	130			
Surr: Toluene-d8	0.0485		0.05		97	70	130			
Surr: 4-Bromofluorobenzene	0.049		0.05		98	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015**

File ID: **10060217.D**

Batch ID: **MS15W0602B**

Analysis Date: **06/02/2010 14:17**

Sample ID: **10060123-02AGSD**

Units : **mg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 14:17**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2.05	0.25	2	0	102	58	135	2.082	1.7(20)	
Surr: 1,2-Dichloroethane-d4	0.0525		0.05		105	70	130			
Surr: Toluene-d8	0.0493		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0499		0.05		99.9	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Alpha Analytical, Inc.

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Date: 08-Jun-10 **QC Summary Report** Work Order: 10060102

n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Surr: 1,2-Dichloroethane-d4	10.1	10	101	70	130	
Surr: Toluene-d8	10.7	10	107	70	130	
Surr: 4-Bromofluorobenzene	9.39	10	94	70	130	

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **10060202.D**

Batch ID: **MS15W0602A**

Analysis Date: **06/02/2010 08:35**

Sample ID: **LCS MS15W0602A**

Units: **µg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 08:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.8	1	10		108	80	120			
Methyl tert-butyl ether (MTBE)	9.27	0.5	10		93	62	136			
Benzene	10.5	0.5	10		105	70	130			
Trichloroethene	10.4	1	10		104	70	130			
Toluene	9.82	0.5	10		98	80	120			
Chlorobenzene	9.89	1	10		99	70	130			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	9.85	0.5	10		99	70	130			
o-Xylene	9.68	0.5	10		97	70	130			
Surr: 1,2-Dichloroethane-d4	9.81		10		98	70	130			
Surr: Toluene-d8	9.74		10		97	70	130			
Surr: 4-Bromofluorobenzene	9.97		10		99.7	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **10060214.D**

Batch ID: **MS15W0602A**

Analysis Date: **06/02/2010 13:10**

Sample ID: **10060123-02AMS**

Units: **µg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 13:10**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.7	2.5	50	0	103	60	130			
Methyl tert-butyl ether (MTBE)	48.5	1.3	50	0	97	56	141			
Benzene	49.3	1.3	50	0	99	67	130			
Trichloroethene	46.8	2.5	50	0	94	69	130			
Toluene	45.6	1.3	50	1.16	89	66	130			
Chlorobenzene	43.9	2.5	50	0	88	70	130			
Ethylbenzene	45.7	1.3	50	0.68	90	68	130			
m,p-Xylene	46.6	1.3	50	1.99	89	64	130			
o-Xylene	45.1	1.3	50	0.71	89	70	130			
Surr: 1,2-Dichloroethane-d4	51.7		50		103	70	130			
Surr: Toluene-d8	47.6		50		95	70	130			
Surr: 4-Bromofluorobenzene	47.8		50		96	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **10060215.D**

Batch ID: **MS15W0602A**

Analysis Date: **06/02/2010 13:32**

Sample ID: **10060123-02AMSD**

Units: **µg/L**

Run ID: **MSD_15_100602B**

Prep Date: **06/02/2010 13:32**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	55.3	2.5	50	0	111	60	130	51.74	6.6(20)	
Methyl tert-butyl ether (MTBE)	52.8	1.3	50	0	106	56	141	48.46	8.5(20)	
Benzene	53	1.3	50	0	106	67	130	49.33	7.1(20)	
Trichloroethene	49.6	2.5	50	0	99	69	130	46.76	6.0(20)	
Toluene	49	1.3	50	1.16	96	66	130	45.59	7.2(20)	
Chlorobenzene	47.3	2.5	50	0	95	70	130	43.92	7.5(20)	
Ethylbenzene	49.1	1.3	50	0.68	97	68	130	45.73	7.1(20)	
m,p-Xylene	49.6	1.3	50	1.99	95	64	130	46.62	6.3(20)	
o-Xylene	48.2	1.3	50	0.71	95	70	130	45.08	6.7(20)	
Surr: 1,2-Dichloroethane-d4	52.5		50		105	70	130			
Surr: Toluene-d8	47.6		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.1		50		98	70	130			



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:

08-Jun-10

QC Summary Report

Work Order:

10060102

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA **AMENDED** Page: 1 of 1

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10060102

Report Due By : 5:00 PM On : 10-Jun-2010

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com
Alex Padilla	(949) 642-0245 x	alex.padilla@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :

Client's COC # : none

Job : KMEP DFSP Norwalk

Cooler Temp 4 °C Samples Received 29-May-2010 Date Printed 01-Jun-2010

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks			
				Alpha	Sub	TAT	TPHE_W	TPH/P_W	VOC_W							
GMT10060102-01A	EB-9	AQ	05/28/10 13:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10060102-02A	EB-10	AQ	05/28/10 13:05	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10060102-03A	TB-5	AQ	05/28/10 07:00	2	0	7			TPHE(0.10)							Reno Trip Blank 4/28/10
GMT10060102-04A	MW-SF-4	AQ	05/28/10 08:42	4	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10060102-05A	GMW-O-14	AQ	05/28/10 09:21	4	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							
GMT10060102-06A	DUP-6	AQ	05/28/10 00:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)							

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples received 5/29/10 kept cold and secure until login on 6/1/10. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. : Amended 6/1/10 @ 13:29: Per email from Shiow-Whei added Alex Padilla as CC. EA

Signature	Print Name	Company	Date/Time
<i>Elizabeth Adcox</i>	Elizabeth Adcox	Alpha Analytical, Inc.	6/1/10 1332

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC10060102
Report Due By : 5:00 PM On : 10-Jun-2010

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

 Newport Beach, CA 92663-3627

Report Attention	Phone Number	EEmail Address
Shiow-Whei Chou	(949) 642-0245 x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245 x 7630	thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, P. Harms

PO :
 Client's COC # : none Job : KMEP DFSP Norwalk
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Cooler Temp 4 °C Samples Received 29-May-2010 Date Printed 01-Jun-2010

Alpha Sample ID	Client Sample ID	Collection Matrix	Collection Date	No. of Bottles			Requested Tests						Sample Remarks		
				Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W						
GMT10060102-01A	EB-9	AQ	05/28/10 13:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10060102-02A	EB-10	AQ	05/28/10 13:05	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10060102-03A	TB-5	AQ	05/28/10 07:00	2	0	7			TPHE(0.10)						Reno Trip Blank 4/28/10
GMT10060102-04A	MW-SF-4	AQ	05/28/10 08:42	4	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10060102-05A	GMW-O-14	AQ	05/28/10 09:21	4	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						
GMT10060102-06A	DUP-6	AQ	05/28/10 00:00	6	0	7	TPHE(0.10)	TPHE(0.10)	TPHE(0.10)						

Comments: Security seals intact. Frozen ice. Saturday delivery. Samples received 5/29/10 kept cold and secure until login on 6/1/10. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. ;

Signature	Print Name	Company	Date/Time
	Elizabeth Adcox	Alpha Analytical, Inc.	6-1-10 9:29

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 1

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Report to:
 Thandar Phyu
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

"Conform to the RWQCB's General Laboratory Testing Requirements for Petroleum Hydrocarbon Impacted Sites (September 2006) and MDL requirement for TPHg of between 50 to 100 ug/L."

CHAIN OF CUSTODY

CLIENT: **Kinder Morgan**

SITE: **DFSP Norwalk**

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX AQ=Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)													
				#	Preservation Type															
EB-9	5/28	1300	AQ	6	HCL VOA	X	X													
EB-10	5/28	1305	AQ	6		X	X													
TB-5	5/28	0700	AQ	2			X													
MW-SF-4	5/28	0342	AQ	6		X	X													
GMW-0-14	5/28	0921	AQ	6		X	X													
DVP-6	5/23	-	AQ	6		X	X													

ADD'L INFORMATION	STATUS	CONDITION	GMT/DC/0102 LAB SAMPLE #
			-01
			-02
			-03
			-04
			-05
			-06

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED
	5/28/10	1310	T. Rhymes, P. Harms	NO LATER THAN 24HR TAT Summary
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
<i>(Signature)</i>	1420	<i>(SC) [Signature]</i>	5/28/10	1420
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
<i>(Signature)</i>	1420	<i>(Signature)</i>	5/28/10	1420
RELEASED BY	TIME	RECEIVED BY	DATE	TIME
<i>(Signature)</i>	1700	<i>Claybeth Adcox</i>	6-1-10	9:29
SHIPPED VIA	TIME SENT	COOLER #		