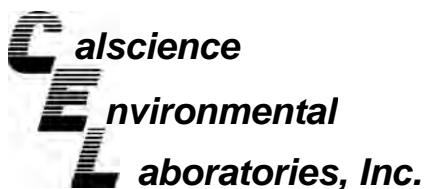




APPENDIX C

Laboratory Analytical Reports and
Chain-of-Custody Documents
February 2009 Sentry Event



February 24, 2009

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

Subject: **Calscience Work Order No.: 09-02-1447**
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 2/13/2009 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: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8015B (M)

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-61	09-02-1447-2-D	02/12/09 09:02	Aqueous	GC 29	02/18/09	02/18/09 17:19	090218B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	1100	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	149	38-134		2	

GMW-60	09-02-1447-3-D	02/12/09 09:35	Aqueous	GC 29	02/18/09	02/18/09 17:53	090218B01
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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	1600	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	197	38-134		2	

GMW-47	09-02-1447-4-D	02/12/09 09:55	Aqueous	GC 29	02/18/09	02/18/09 18:27	090218B01
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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	170	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	115	38-134			

GMW-57	09-02-1447-5-D	02/12/09 10:21	Aqueous	GC 29	02/18/09	02/18/09 19:01	090218B01
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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	38	38-134			

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

Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8015B (M)

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-58	09-02-1447-6-D	02/12/09 10:40	Aqueous	GC 29	02/18/09	02/18/09 19:35	090218B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	1000	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	183	38-134		2	

GMW-59	09-02-1447-7-D	02/12/09 11:05	Aqueous	GC 29	02/18/09	02/18/09 20:09	090218B01
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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	2500	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	154	38-134		2	

MW-14	09-02-1447-8-D	02/12/09 11:30	Aqueous	GC 29	02/18/09	02/18/09 20:43	090218B01
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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	91	38-134			

MW-14 DUP	09-02-1447-9-D	02/12/09 11:33	Aqueous	GC 29	02/18/09	02/18/09 21:17	090218B01
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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	83	38-134			

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

Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8015B (M)

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
MW-22 MID	09-02-1447-10-D	02/12/09 11:52	Aqueous	GC 29	02/18/09	02/18/09 21:51	090218B01

<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	92	38-134			

GMW-63	09-02-1447-11-D	02/12/09 12:50	Aqueous	GC 29	02/18/09	02/18/09 15:38	090218B01
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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	94	38-134			

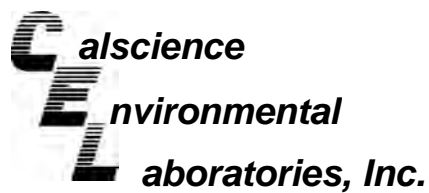
GMW-64	09-02-1447-12-D	02/12/09 12:58	Aqueous	GC 29	02/18/09	02/18/09 22:59	090218B01
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	38-134			

GMW-62	09-02-1447-13-D	02/12/09 13:21	Aqueous	GC 29	02/18/09	02/18/09 23:33	090218B01
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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	3600	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	140	38-134		2	

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8015B (M)

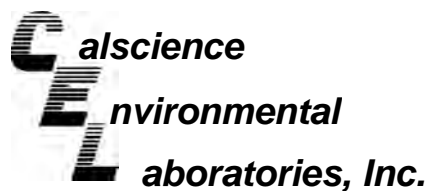
Project: DFSP NORWALK GWM

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	099-12-247-2,875	N/A	Aqueous	GC 29	02/18/09	02/18/09 13:56	090218B01

<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	95	38-134			

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 3510C
Method: EPA 8015B (M)

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-61	09-02-1447-2-G	02/12/09 09:02	Aqueous	GC 49	02/14/09	02/16/09 20:43	090214B02

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			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	09-02-1447-3-G	02/12/09 09:35	Aqueous	GC 49	02/14/09	02/16/09 20:58	090214B02

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	490	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
GMW-47	09-02-1447-4-G	02/12/09 09:55	Aqueous	GC 49	02/14/09	02/16/09 21:14	090214B02

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	460	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	104	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-57	09-02-1447-5-G	02/12/09 10:21	Aqueous	GC 49	02/14/09	02/16/09 21:29	090214B02

Parameter	Result	RL	DF	Qual	Units
TPH as JP5	140	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: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 3510C
Method: EPA 8015B (M)

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-58	09-02-1447-6-G	02/12/09 10:40	Aqueous	GC 49	02/14/09	02/16/09 21:45	090214B02

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	2200	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	105	68-140			

GMW-59	09-02-1447-7-G	02/12/09 11:05	Aqueous	GC 49	02/14/09	02/16/09 22:00	090214B02
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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	101	68-140			

MW-14	09-02-1447-8-G	02/12/09 11:30	Aqueous	GC 49	02/14/09	02/16/09 22:15	090214B02
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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			

MW-14 DUP	09-02-1447-9-G	02/12/09 11:33	Aqueous	GC 49	02/14/09	02/16/09 22:30	090214B02
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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			

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

Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 3510C
Method: EPA 8015B (M)

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
MW-22 MID	09-02-1447-10-G	02/12/09 11:52	Aqueous	GC 49	02/14/09	02/16/09 22:45	090214B02

<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	99	68-140			

GMW-63	09-02-1447-11-G	02/12/09 12:50	Aqueous	GC 49	02/14/09	02/16/09 23:01	090214B02
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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	107	68-140			

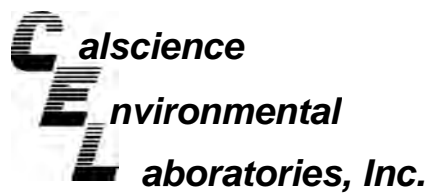
GMW-64	09-02-1447-12-G	02/12/09 12:58	Aqueous	GC 49	02/14/09	02/16/09 23:32	090214B02
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as JP5	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	110	68-140			

GMW-62	09-02-1447-13-G	02/12/09 13:21	Aqueous	GC 49	02/14/09	02/16/09 23:47	090214B02
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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	1600	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	107	68-140			

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 3510C
Method: EPA 8015B (M)

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	099-12-366-35	N/A	Aqueous	GC 49	02/14/09	02/16/09 19:57	090214B02

<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	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: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

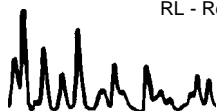
Project: DFSP NORWALK GWM

Page 1 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK 02009A	09-02-1447-1-A	02/11/09 00:00	Aqueous	GC/MS QQ	02/20/09	02/20/09 19:08	090220L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	105	82-130			1,2-Dichloroethane-d4	104	75-141		
Toluene-d8	104	83-113			1,4-Bromofluorobenzene	92	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

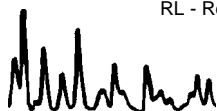
Project: DFSP NORWALK GWM

Page 2 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-61	09-02-1447-2-A	02/12/09 09:02	Aqueous	GC/MS QQ	02/19/09	02/20/09 05:48	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250	5		c-1,3-Dichloropropene	ND	2.5	5	
Benzene	340	2.5	5		t-1,3-Dichloropropene	ND	2.5	5	
Bromobenzene	ND	5.0	5		Ethylbenzene	13	2.5	5	
Bromochloromethane	ND	5.0	5		2-Hexanone	ND	50	5	
Bromodichloromethane	ND	5.0	5		Isopropylbenzene	21	5.0	5	
Bromoform	ND	5.0	5		p-Isopropyltoluene	ND	5.0	5	
Bromomethane	ND	25	5		Methylene Chloride	ND	25	5	
2-Butanone	ND	50	5		4-Methyl-2-Pentanone	ND	50	5	
n-Butylbenzene	ND	5.0	5		Naphthalene	ND	50	5	
sec-Butylbenzene	ND	5.0	5		n-Propylbenzene	19	5.0	5	
tert-Butylbenzene	ND	5.0	5		Styrene	ND	5.0	5	
Carbon Disulfide	ND	50	5		1,1,1,2-Tetrachloroethane	ND	5.0	5	
Carbon Tetrachloride	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
Chlorobenzene	ND	5.0	5		Tetrachloroethene	ND	5.0	5	
Chloroethane	ND	25	5		Toluene	ND	2.5	5	
Chloroform	ND	5.0	5		1,2,3-Trichlorobenzene	ND	5.0	5	
Chloromethane	ND	25	5		1,2,4-Trichlorobenzene	ND	5.0	5	
2-Chlorotoluene	ND	5.0	5		1,1,1-Trichloroethane	ND	5.0	5	
4-Chlorotoluene	ND	5.0	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5	
Dibromochloromethane	ND	5.0	5		1,1,2-Trichloroethane	ND	5.0	5	
1,2-Dibromo-3-Chloropropane	ND	25	5		Trichloroethene	ND	5.0	5	
1,2-Dibromoethane	ND	5.0	5		Trichlorofluoromethane	ND	50	5	
Dibromomethane	ND	5.0	5		1,2,3-Trichloropropane	ND	25	5	
1,2-Dichlorobenzene	ND	5.0	5		1,2,4-Trimethylbenzene	34	5.0	5	
1,3-Dichlorobenzene	ND	5.0	5		1,3,5-Trimethylbenzene	5.5	5.0	5	
1,4-Dichlorobenzene	ND	5.0	5		Vinyl Acetate	ND	50	5	
Dichlorodifluoromethane	ND	5.0	5		Vinyl Chloride	ND	2.5	5	
1,1-Dichloroethane	ND	5.0	5		p/m-Xylene	57	2.5	5	
1,2-Dichloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
1,1-Dichloroethene	ND	5.0	5		Methyl-t-Butyl Ether (MTBE)	ND	2.5	5	
c-1,2-Dichloroethene	ND	5.0	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
t-1,2-Dichloroethene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
1,2-Dichloropropane	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
1,3-Dichloropropane	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
2,2-Dichloropropane	ND	5.0	5		Ethanol	ND	500	5	
1,1-Dichloropropene	ND	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	106	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	97	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

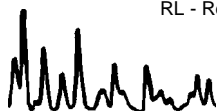
Project: DFSP NORWALK GWM

Page 3 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-60	09-02-1447-3-A	02/12/09 09:35	Aqueous	GC/MS QQ	02/19/09	02/20/09 06:11	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	200	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	2.5	1.0	2	
Bromochloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromodichloromethane	ND	2.0	2		Isopropylbenzene	41	2.0	2	
Bromoform	ND	2.0	2		p-Isopropyltoluene	ND	2.0	2	
Bromomethane	ND	10	2		Methylene Chloride	ND	10	2	
2-Butanone	ND	20	2		4-Methyl-2-Pentanone	ND	20	2	
n-Butylbenzene	2.2	2.0	2		Naphthalene	55	20	2	
sec-Butylbenzene	8.4	2.0	2		n-Propylbenzene	41	2.0	2	
tert-Butylbenzene	ND	2.0	2		Styrene	ND	2.0	2	
Carbon Disulfide	ND	20	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		Tetrachloroethene	ND	2.0	2	
Chloroethane	ND	10	2		Toluene	ND	1.0	2	
Chloroform	ND	2.0	2		1,2,3-Trichlorobenzene	ND	2.0	2	
Chloromethane	ND	10	2		1,2,4-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		Trichloroethene	ND	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
Dibromomethane	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,3-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		Vinyl Acetate	ND	20	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,1-Dichloroethane	ND	2.0	2		p/m-Xylene	ND	1.0	2	
1,2-Dichloroethane	ND	1.0	2		o-Xylene	ND	1.0	2	
1,1-Dichloroethene	ND	2.0	2		Methyl-t-Butyl Ether (MTBE)	ND	1.0	2	
c-1,2-Dichloroethene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
t-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
2,2-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	
1,1-Dichloropropene	ND	2.0	2						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	103	82-130			1,2-Dichloroethane-d4	105	75-141		
Toluene-d8	103	83-113			1,4-Bromofluorobenzene	94	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

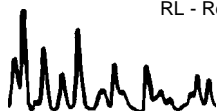
Project: DFSP NORWALK GWM

Page 4 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-47	09-02-1447-4-A	02/12/09 09:55	Aqueous	GC/MS QQ	02/19/09	02/20/09 04:16	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	8.2	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	1.5	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	106	75-141		
Toluene-d8	102	83-113			1,4-Bromofluorobenzene	93	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

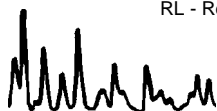
Project: DFSP NORWALK GWM

Page 5 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-57	09-02-1447-5-A	02/12/09 10:21	Aqueous	GC/MS QQ	02/19/09	02/20/09 06:34	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	1.8	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	102	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	89	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

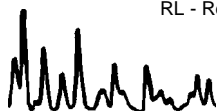
Project: DFSP NORWALK GWM

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-58	09-02-1447-6-B	02/12/09 10:40	Aqueous	GC/MS QQ	02/20/09	02/20/09 19:31	090220L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	36	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	0.85	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	43	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	1.9	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	1.9	1.0	1		Naphthalene	56	10	1	
sec-Butylbenzene	5.8	1.0	1		n-Propylbenzene	28	1.0	1	
tert-Butylbenzene	1.0	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	0.55	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	104	82-130			1,2-Dichloroethane-d4	106	75-141		
Toluene-d8	105	83-113			1,4-Bromofluorobenzene	100	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

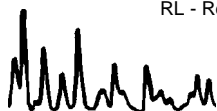
Project: DFSP NORWALK GWM

Page 7 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-59	09-02-1447-7-A	02/12/09 11:05	Aqueous	GC/MS QQ	02/19/09	02/20/09 07:20	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250	5		c-1,3-Dichloropropene	ND	2.5	5	
Benzene	650	2.5	5		t-1,3-Dichloropropene	ND	2.5	5	
Bromobenzene	ND	5.0	5		Ethylbenzene	ND	2.5	5	
Bromochloromethane	ND	5.0	5		2-Hexanone	ND	50	5	
Bromodichloromethane	ND	5.0	5		Isopropylbenzene	18	5.0	5	
Bromoform	ND	5.0	5		p-Isopropyltoluene	ND	5.0	5	
Bromomethane	ND	25	5		Methylene Chloride	ND	25	5	
2-Butanone	ND	50	5		4-Methyl-2-Pentanone	ND	50	5	
n-Butylbenzene	ND	5.0	5		Naphthalene	ND	50	5	
sec-Butylbenzene	ND	5.0	5		n-Propylbenzene	16	5.0	5	
tert-Butylbenzene	ND	5.0	5		Styrene	ND	5.0	5	
Carbon Disulfide	ND	50	5		1,1,1,2-Tetrachloroethane	ND	5.0	5	
Carbon Tetrachloride	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
Chlorobenzene	ND	5.0	5		Tetrachloroethene	ND	5.0	5	
Chloroethane	ND	25	5		Toluene	ND	2.5	5	
Chloroform	ND	5.0	5		1,2,3-Trichlorobenzene	ND	5.0	5	
Chloromethane	ND	25	5		1,2,4-Trichlorobenzene	ND	5.0	5	
2-Chlorotoluene	ND	5.0	5		1,1,1-Trichloroethane	ND	5.0	5	
4-Chlorotoluene	ND	5.0	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5	
Dibromochloromethane	ND	5.0	5		1,1,2-Trichloroethane	ND	5.0	5	
1,2-Dibromo-3-Chloropropane	ND	25	5		Trichloroethene	ND	5.0	5	
1,2-Dibromoethane	ND	5.0	5		Trichlorofluoromethane	ND	50	5	
Dibromomethane	ND	5.0	5		1,2,3-Trichloropropane	ND	25	5	
1,2-Dichlorobenzene	ND	5.0	5		1,2,4-Trimethylbenzene	ND	5.0	5	
1,3-Dichlorobenzene	ND	5.0	5		1,3,5-Trimethylbenzene	ND	5.0	5	
1,4-Dichlorobenzene	ND	5.0	5		Vinyl Acetate	ND	50	5	
Dichlorodifluoromethane	ND	5.0	5		Vinyl Chloride	ND	2.5	5	
1,1-Dichloroethane	ND	5.0	5		p/m-Xylene	ND	2.5	5	
1,2-Dichloroethane	ND	2.5	5		o-Xylene	ND	2.5	5	
1,1-Dichloroethene	ND	5.0	5		Methyl-t-Butyl Ether (MTBE)	3.2	2.5	5	
c-1,2-Dichloroethene	ND	5.0	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
t-1,2-Dichloroethene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
1,2-Dichloropropane	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
1,3-Dichloropropane	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
2,2-Dichloropropane	ND	5.0	5		Ethanol	ND	500	5	
1,1-Dichloropropene	ND	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	101	75-141		
Toluene-d8	101	83-113			1,4-Bromofluorobenzene	92	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

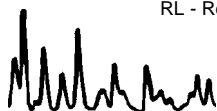
Project: DFSP NORWALK GWM

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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	09-02-1447-8-A	02/12/09 11:30	Aqueous	GC/MS QQ	02/19/09	02/20/09 07:43	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	1.1	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	1.6	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	101	82-130			1,2-Dichloroethane-d4	101	75-141		
Toluene-d8	102	83-113			1,4-Bromofluorobenzene	88	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

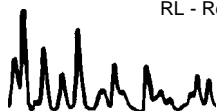
Project: DFSP NORWALK GWM

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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 DUP	09-02-1447-9-A	02/12/09 11:33	Aqueous	GC/MS QQ	02/19/09	02/20/09 08:06	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	1.0	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	1.5	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	100	82-130			1,2-Dichloroethane-d4	104	75-141		
Toluene-d8	100	83-113			1,4-Bromofluorobenzene	88	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

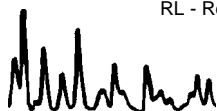
Project: DFSP NORWALK GWM

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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	09-02-1447-10-A	02/12/09 11:52	Aqueous	GC/MS QQ	02/19/09	02/20/09 08:29	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	15	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	18	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	22	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	3.1	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	106	75-141		
Toluene-d8	101	83-113			1,4-Bromofluorobenzene	84	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

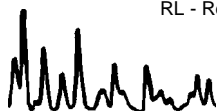
Project: DFSP NORWALK GWM

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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	09-02-1447-11-B	02/12/09 12:40	Aqueous	GC/MS QQ	02/20/09	02/20/09 19:54	090220L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	97	75-141		
Toluene-d8	103	83-113			1,4-Bromofluorobenzene	92	70-118		

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



Analytical Report



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

Date Received: 02/13/09
 Work Order No: 09-02-1447
 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	09-02-1447-12-B	02/12/09 12:58	Aqueous	GC/MS QQ	02/20/09	02/20/09 17:36	090220L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	5.0	1		Methylene Chloride	ND	5.0	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	0.50	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	0.50	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	107	75-141		
Toluene-d8	102	83-113			1,4-Bromofluorobenzene	89	70-118		

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

Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

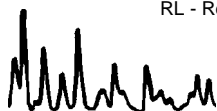
Project: DFSP NORWALK GWM

Page 13 of 15

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GMW-62	09-02-1447-13-A	02/12/09 13:21	Aqueous	GC/MS QQ	02/19/09	02/20/09 09:39	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	500	10		c-1,3-Dichloropropene	ND	5.0	10	
Benzene	1800	5.0	10		t-1,3-Dichloropropene	ND	5.0	10	
Bromobenzene	ND	10	10		Ethylbenzene	150	5.0	10	
Bromochloromethane	ND	10	10		2-Hexanone	ND	100	10	
Bromodichloromethane	ND	10	10		Isopropylbenzene	14	10	10	
Bromoform	ND	10	10		p-Isopropyltoluene	ND	10	10	
Bromomethane	ND	50	10		Methylene Chloride	ND	50	10	
2-Butanone	ND	100	10		4-Methyl-2-Pentanone	ND	100	10	
n-Butylbenzene	ND	10	10		Naphthalene	ND	100	10	
sec-Butylbenzene	ND	10	10		n-Propylbenzene	11	10	10	
tert-Butylbenzene	ND	10	10		Styrene	ND	10	10	
Carbon Disulfide	ND	100	10		1,1,1,2-Tetrachloroethane	ND	10	10	
Carbon Tetrachloride	ND	5.0	10		1,1,2,2-Tetrachloroethane	ND	10	10	
Chlorobenzene	ND	10	10		Tetrachloroethene	ND	10	10	
Chloroethane	ND	50	10		Toluene	5.1	5.0	10	
Chloroform	ND	10	10		1,2,3-Trichlorobenzene	ND	10	10	
Chloromethane	ND	50	10		1,2,4-Trichlorobenzene	ND	10	10	
2-Chlorotoluene	ND	10	10		1,1,1-Trichloroethane	ND	10	10	
4-Chlorotoluene	ND	10	10		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	100	10	
Dibromochloromethane	ND	10	10		1,1,2-Trichloroethane	ND	10	10	
1,2-Dibromo-3-Chloropropane	ND	50	10		Trichloroethene	ND	10	10	
1,2-Dibromoethane	ND	10	10		Trichlorofluoromethane	ND	100	10	
Dibromomethane	ND	10	10		1,2,3-Trichloropropane	ND	50	10	
1,2-Dichlorobenzene	ND	10	10		1,2,4-Trimethylbenzene	43	10	10	
1,3-Dichlorobenzene	ND	10	10		1,3,5-Trimethylbenzene	ND	10	10	
1,4-Dichlorobenzene	ND	10	10		Vinyl Acetate	ND	100	10	
Dichlorodifluoromethane	ND	10	10		Vinyl Chloride	ND	5.0	10	
1,1-Dichloroethane	ND	10	10		p/m-Xylene	80	5.0	10	
1,2-Dichloroethane	ND	5.0	10		o-Xylene	84	5.0	10	
1,1-Dichloroethene	ND	10	10		Methyl-t-Butyl Ether (MTBE)	ND	5.0	10	
c-1,2-Dichloroethene	ND	10	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
t-1,2-Dichloroethene	ND	10	10		Diisopropyl Ether (DIPE)	ND	20	10	
1,2-Dichloropropane	ND	10	10		Ethyl-t-Butyl Ether (ETBE)	ND	20	10	
1,3-Dichloropropane	ND	10	10		Tert-Amyl-Methyl Ether (TAME)	ND	20	10	
2,2-Dichloropropane	ND	10	10		Ethanol	ND	1000	10	
1,1-Dichloropropene	ND	10	10						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	82-130			1,2-Dichloroethane-d4	106	75-141		
Toluene-d8	101	83-113			1,4-Bromofluorobenzene	91	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

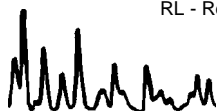
Project: DFSP NORWALK GWM

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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	099-10-006-28,549	N/A	Aqueous	GC/MS QQ	02/19/09	02/20/09 03:06	090219L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	105	82-130			1,2-Dichloroethane-d4	109	75-141		
Toluene-d8	101	83-113			1,4-Bromofluorobenzene	87	70-118		

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



Analytical Report



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

Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

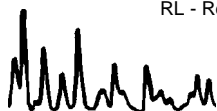
Project: DFSP NORWALK GWM

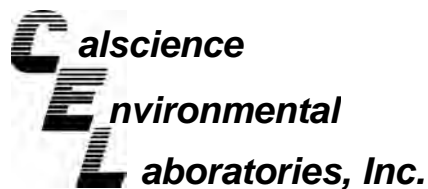
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,558	N/A	Aqueous	GC/MS QQ	02/20/09	02/20/09 17:08	090220L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	5.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	107	82-130			1,2-Dichloroethane-d4	110	75-141		
Toluene-d8	101	83-113			1,4-Bromofluorobenzene	91	70-118		

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: 02/13/09
Work Order No: 09-02-1447
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-63	Aqueous	GC 29	02/18/09	02/18/09	090218S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	80	97	68-122	19	0-18	4

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

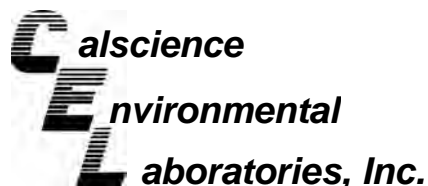
Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-47	Aqueous	GC/MS QQ	02/19/09	02/20/09	090219S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	94	88-118	4	0-7	
Carbon Tetrachloride	96	96	67-145	1	0-11	
Chlorobenzene	98	96	88-118	2	0-7	
1,2-Dibromoethane	103	103	70-130	0	0-30	
1,2-Dichlorobenzene	95	98	86-116	3	0-8	
1,1-Dichloroethene	98	98	70-130	0	0-25	
Ethylbenzene	96	95	70-130	1	0-30	
Toluene	97	94	87-123	4	0-8	
Trichloroethene	97	92	79-127	5	0-10	
Vinyl Chloride	85	91	69-129	7	0-13	
Methyl-t-Butyl Ether (MTBE)	100	98	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	101	97	36-168	5	0-45	
Diisopropyl Ether (DIPE)	98	97	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	97	96	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	94	72-126	3	0-12	
Ethanol	106	107	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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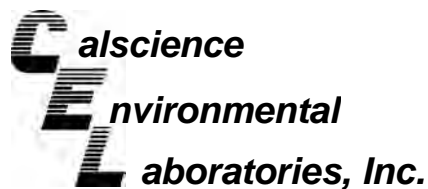
Date Received: 02/13/09
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B

Project DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GMW-64	Aqueous	GC/MS QQ	02/20/09	02/20/09	090220S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	104	88-118	2	0-7	
Carbon Tetrachloride	115	117	67-145	2	0-11	
Chlorobenzene	102	104	88-118	1	0-7	
1,2-Dibromoethane	105	103	70-130	2	0-30	
1,2-Dichlorobenzene	100	103	86-116	3	0-8	
1,1-Dichloroethene	114	112	70-130	2	0-25	
Ethylbenzene	104	105	70-130	1	0-30	
Toluene	106	108	87-123	2	0-8	
Trichloroethene	106	108	79-127	2	0-10	
Vinyl Chloride	107	116	69-129	7	0-13	
Methyl-t-Butyl Ether (MTBE)	104	104	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	86	91	36-168	5	0-45	
Diisopropyl Ether (DIPE)	105	104	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	103	103	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	101	72-126	1	0-12	
Ethanol	103	102	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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Pasadena, CA 91124-0002

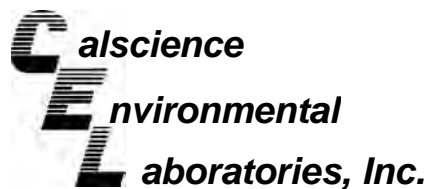
Date Received: N/A
Work Order No: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-2,875	Aqueous	GC 29	02/18/09	02/18/09	090218B01

<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	106	107	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

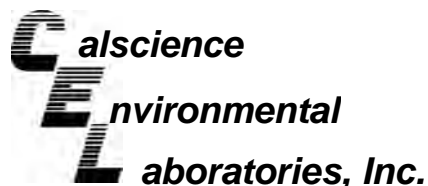
Date Received: N/A
Work Order No: 09-02-1447
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-366-35	Aqueous	GC 49	02/14/09	02/16/09	090214B02

<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	97	99	75-117	2	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: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,549	Aqueous	GC/MS QQ	02/19/09	02/20/09	090219L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	95	97	84-120	78-126	3	0-8	
Carbon Tetrachloride	91	93	63-147	49-161	2	0-10	
Chlorobenzene	98	99	89-119	84-124	1	0-7	
1,2-Dibromoethane	105	104	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	97	98	89-119	84-124	0	0-9	
1,1-Dichloroethene	93	94	77-125	69-133	2	0-16	
Ethylbenzene	94	96	80-120	73-127	2	0-20	
Toluene	95	97	83-125	76-132	2	0-9	
Trichloroethene	96	100	89-119	84-124	4	0-8	
Vinyl Chloride	91	92	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	101	101	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	100	92	46-154	28-172	8	0-32	
Diisopropyl Ether (DIPE)	96	97	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	97	100	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	99	76-124	68-132	1	0-10	
Ethanol	99	101	60-138	47-151	1	0-32	

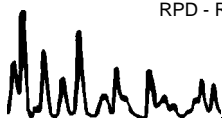
Total number of LCS compounds : 16

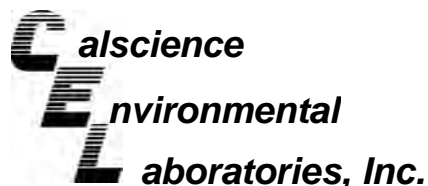
Total number of ME compounds : 0

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: 09-02-1447
Preparation: EPA 5030B
Method: EPA 8260B

Project: DFSP NORWALK GWM

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,558	Aqueous	GC/MS QQ	02/20/09	02/20/09	090220L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	95	84-120	78-126	2	0-8	
Carbon Tetrachloride	105	100	63-147	49-161	5	0-10	
Chlorobenzene	99	99	89-119	84-124	1	0-7	
1,2-Dibromoethane	108	105	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	100	95	89-119	84-124	5	0-9	
1,1-Dichloroethene	105	98	77-125	69-133	7	0-16	
Ethylbenzene	99	97	80-120	73-127	2	0-20	
Toluene	102	99	83-125	76-132	3	0-9	
Trichloroethene	101	97	89-119	84-124	4	0-8	
Vinyl Chloride	101	100	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	105	102	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	86	89	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	100	99	81-123	74-130	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	103	101	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	100	76-124	68-132	1	0-10	
Ethanol	99	100	60-138	47-151	1	0-32	

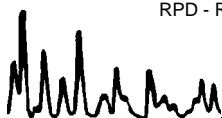
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

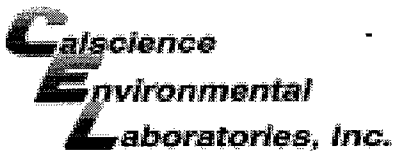
RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-02-1447

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
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 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 with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
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.
N	Nontarget Analyte.
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.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





WORK ORDER #: 09-02-1447

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Parsons

DATE: 02/13/09

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

Temperature 5.4°C - 0.2°C (CF) = 5.2°C [X] 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: D.L

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Initial: D.L

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: D.L

SAMPLE CONDITION:

Table with 4 columns: Sample Condition, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and good condition, Correct containers and volume for analyses requested, Analyses received within holding time, Proper preservation noted on COC or sample container, Volatile analysis container(s) free of headspace, Tedlar bag(s) free of condensation.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve [] EnCores® [] TerraCores® [] _____

Water: [] VOA [X] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBpo4 [] 1AGB [] 1AGBna2

[] 1AGBs [X] 500AGB [] 500AGBs [] 250CGB [] 250CGBs [] 1PB [] 500PB [] 500PBna [] 250PB

[] 250PBn [] 125PB [] 125PBzanna [] 100PBsterile [] 100PBna2 [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® [] _____

Checked/Labeled by: D.L

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: TN

Preservative: h:HCL n:HNO3 na2:Na2S2O3 na:NaOH po4:H3PO4 s:H2SO4 zanna:ZnAc2+NaOH

Scanned by: D.L



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 : 02/24/09

Job#: KMEP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : WCW-13	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-01A	Surr: Nonane	101	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	103	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	02/23/09	02/26/09
Client ID : WCW-3	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-02A	Surr: Nonane	101	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	103	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	02/23/09	02/26/09
Client ID : EXP-5	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-03A	Surr: Nonane	100	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	104	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	98	(70-130) %REC	02/23/09	02/26/09
Client ID : GMW-O-3	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-04A	Surr: Nonane	92	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	99	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	02/23/09	02/26/09
Client ID : GMW-O-2	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-05A	Surr: Nonane	100	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	102	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	02/23/09	02/26/09
Client ID : GMW-O-1	TPH-E (Fuel Product)	ND	0.10 mg/L	02/23/09	02/25/09
Lab ID : GMT09022403-06A	Surr: Nonane	97	(57-147) %REC	02/23/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/23/09	02/26/09
	Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	02/23/09	02/26/09
	Surr: Toluene-d8	104	(70-130) %REC	02/23/09	02/26/09
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	02/23/09	02/26/09



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Client ID :	GMW-O-14	TPH-E (Fuel Product)	12	**	0.10 mg/L	02/23/09	02/25/09
Lab ID :	GMT09022403-07A	Surr: Nonane	0	S51	(57-147) %REC	02/23/09	02/25/09
		TPH-P (GRO)	30		5.0 mg/L	02/23/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	90		(70-130) %REC	02/23/09	02/27/09
		Surr: Toluene-d8	104		(70-130) %REC	02/23/09	02/27/09
		Surr: 4-Bromofluorobenzene	92		(70-130) %REC	02/23/09	02/27/09
Client ID :	DUP-1	TPH-E (Fuel Product)	12	**	0.10 mg/L	02/23/09	02/26/09
Lab ID :	GMT09022403-08A	Surr: Nonane	0	S51	(57-147) %REC	02/23/09	02/26/09
		TPH-P (GRO)	30		5.0 mg/L	02/23/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	87		(70-130) %REC	02/23/09	02/27/09
		Surr: Toluene-d8	104		(70-130) %REC	02/23/09	02/27/09
		Surr: 4-Bromofluorobenzene	95		(70-130) %REC	02/23/09	02/27/09
Client ID :	MW-SF-4	TPH-E (Fuel Product)	32	**	1.0 mg/L	02/23/09	02/26/09
Lab ID :	GMT09022403-09A	Surr: Nonane	0	S50	(57-147) %REC	02/23/09	02/26/09
		TPH-P (GRO)	20		5.0 mg/L	02/23/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	87		(70-130) %REC	02/23/09	02/27/09
		Surr: Toluene-d8	104		(70-130) %REC	02/23/09	02/27/09
		Surr: 4-Bromofluorobenzene	96		(70-130) %REC	02/23/09	02/27/09
Client ID :	EB-1	TPH-E (Fuel Product)	ND		0.10 mg/L	02/23/09	02/26/09
Lab ID :	GMT09022403-10A	Surr: Nonane	99		(57-147) %REC	02/23/09	02/26/09
		TPH-P (GRO)	ND		0.050 mg/L	02/23/09	02/26/09
		Surr: 1,2-Dichloroethane-d4	91		(70-130) %REC	02/23/09	02/26/09
		Surr: Toluene-d8	105		(70-130) %REC	02/23/09	02/26/09
		Surr: 4-Bromofluorobenzene	98		(70-130) %REC	02/23/09	02/26/09

**Note: Reported TPH-E (Fuel Product) may contain undifferentiated diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

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.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

This replaces the report originally signed 3/4/09, due to a change in the sample ID for samples 04A, 05A, 06A, and 07A, per client request.

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 / info@alpha-analytical.com

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.

3/6/09

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-01A
Client I.D. Number: WCW-13

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	103	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	97	(70-130) %REC

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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3/4/09

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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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-02A
Client I.D. Number: WCW-3

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	103	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	99	(70-130) %REC

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-03A
Client I.D. Number: EXP-5

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	98	(70-130) %REC

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 Norwalk

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-04A
Client I.D. Number: GMW-O-3

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	99	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	99	(70-130) %REC

This replaces the report originally signed 3/4/09, due to a change in the sample ID, per client request.

ND = Not Detected

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AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-05A
Client I.D. Number: GMW-O-2

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
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14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
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21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	102	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	97	(70-130) %REC

This replaces the report originally signed 3/4/09, due to a change in the sample ID, per client request.

ND = Not Detected

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Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-06A
Client I.D. Number: GMW-O-1

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	97	(70-130) %REC

This replaces the report originally signed 3/4/09, due to a change in the sample ID, per client request.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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3/6/09

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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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-07A
Client I.D. Number: GMW-O-14

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	36 1,3-Dichloropropane	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	37 2-Hexanone	ND	500 µg/L
3 Vinyl chloride	ND	50 µg/L	38 Dibromochloromethane	ND	50 µg/L
4 Chloroethane	ND	50 µg/L	39 1,2-Dibromoethane (EDB)	ND	200 µg/L
5 Bromomethane	ND	200 µg/L	40 Tetrachloroethene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	41 1,1,1,2-Tetrachloroethane	ND	50 µg/L
7 Acetone	ND	1,000 µg/L	42 Chlorobenzene	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	43 Ethylbenzene	1,200	25 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	44 m,p-Xylene	2,200	25 µg/L
10 Dichloromethane	ND	200 µg/L	45 Bromoform	ND	50 µg/L
11 Freon-113	ND	50 µg/L	46 Styrene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	47 o-Xylene	1,700	25 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	48 1,1,2,2-Tetrachloroethane	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	25 µg/L	49 1,2,3-Trichloropropane	ND	200 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	50 Isopropylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	51 Bromobenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	52 n-Propylbenzene	63	50 µg/L
18 cis-1,2-Dichloroethene	ND	50 µg/L	53 4-Chlorotoluene	ND	50 µg/L
19 Bromochloromethane	ND	50 µg/L	54 2-Chlorotoluene	ND	50 µg/L
20 Chloroform	ND	50 µg/L	55 1,3,5-Trimethylbenzene	150	50 µg/L
21 2,2-Dichloropropane	ND	50 µg/L	56 tert-Butylbenzene	ND	50 µg/L
22 1,2-Dichloroethane	77	50 µg/L	57 1,2,4-Trimethylbenzene	740	50 µg/L
23 1,1,1-Trichloroethane	ND	50 µg/L	58 sec-Butylbenzene	ND	50 µg/L
24 1,1-Dichloropropene	ND	50 µg/L	59 1,3-Dichlorobenzene	ND	50 µg/L
25 Carbon tetrachloride	ND	50 µg/L	60 1,4-Dichlorobenzene	ND	50 µg/L
26 Benzene	6,100	25 µg/L	61 4-Isopropyltoluene	ND	50 µg/L
27 Dibromomethane	ND	50 µg/L	62 1,2-Dichlorobenzene	ND	50 µg/L
28 1,2-Dichloropropane	ND	50 µg/L	63 n-Butylbenzene	ND	50 µg/L
29 Trichloroethene	ND	50 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
30 Bromodichloromethane	ND	50 µg/L	65 1,2,4-Trichlorobenzene	ND	200 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L	66 Naphthalene	280	200 µg/L
32 cis-1,3-Dichloropropene	ND	50 µg/L	67 1,2,3-Trichlorobenzene	ND	200 µg/L
33 trans-1,3-Dichloropropene	ND	50 µg/L	68 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
34 1,1,2-Trichloroethane	ND	50 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	3,500	25 µg/L	70 Surr: 4-Bromofluorobenzene	92	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

This replaces the report originally signed 3/4/09, due to a change in the sample ID, per client request.

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shiew-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-08A
Client I.D. Number: DUP-1

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	36 1,3-Dichloropropane	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	37 2-Hexanone	ND	500 µg/L
3 Vinyl chloride	ND	50 µg/L	38 Dibromochloromethane	ND	50 µg/L
4 Chloroethane	ND	50 µg/L	39 1,2-Dibromoethane (EDB)	ND	200 µg/L
5 Bromomethane	ND	200 µg/L	40 Tetrachloroethene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	41 1,1,1,2-Tetrachloroethane	ND	50 µg/L
7 Acetone	ND	1,000 µg/L	42 Chlorobenzene	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	43 Ethylbenzene	1,200	25 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	44 m,p-Xylene	2,200	25 µg/L
10 Dichloromethane	ND	200 µg/L	45 Bromoform	ND	50 µg/L
11 Freon-113	ND	50 µg/L	46 Styrene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	47 o-Xylene	1,700	25 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	48 1,1,2,2-Tetrachloroethane	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	25 µg/L	49 1,2,3-Trichloropropane	ND	200 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	50 Isopropylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	51 Bromobenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	52 n-Propylbenzene	67	50 µg/L
18 cis-1,2-Dichloroethene	ND	50 µg/L	53 4-Chlorotoluene	ND	50 µg/L
19 Bromochloromethane	ND	50 µg/L	54 2-Chlorotoluene	ND	50 µg/L
20 Chloroform	ND	50 µg/L	55 1,3,5-Trimethylbenzene	150	50 µg/L
21 2,2-Dichloropropane	ND	50 µg/L	56 tert-Butylbenzene	ND	50 µg/L
22 1,2-Dichloroethane	80	50 µg/L	57 1,2,4-Trimethylbenzene	800	50 µg/L
23 1,1,1-Trichloroethane	ND	50 µg/L	58 sec-Butylbenzene	ND	50 µg/L
24 1,1-Dichloropropene	ND	50 µg/L	59 1,3-Dichlorobenzene	ND	50 µg/L
25 Carbon tetrachloride	ND	50 µg/L	60 1,4-Dichlorobenzene	ND	50 µg/L
26 Benzene	6,100	25 µg/L	61 4-Isopropyltoluene	ND	50 µg/L
27 Dibromomethane	ND	50 µg/L	62 1,2-Dichlorobenzene	ND	50 µg/L
28 1,2-Dichloropropane	ND	50 µg/L	63 n-Butylbenzene	ND	50 µg/L
29 Trichloroethene	ND	50 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
30 Bromodichloromethane	ND	50 µg/L	65 1,2,4-Trichlorobenzene	ND	200 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L	66 Naphthalene	310	200 µg/L
32 cis-1,3-Dichloropropene	ND	50 µg/L	67 1,2,3-Trichlorobenzene	ND	200 µg/L
33 trans-1,3-Dichloropropene	ND	50 µg/L	68 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
34 1,1,2-Trichloroethane	ND	50 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	3,300	25 µg/L	70 Surr: 4-Bromofluorobenzene	95	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

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3/4/09

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-09A
Client I.D. Number: MW-SF-4

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	36 1,3-Dichloropropane	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	37 2-Hexanone	ND	500 µg/L
3 Vinyl chloride	ND	50 µg/L	38 Dibromochloromethane	ND	50 µg/L
4 Chloroethane	ND	50 µg/L	39 1,2-Dibromoethane (EDB)	ND	200 µg/L
5 Bromomethane	ND	200 µg/L	40 Tetrachloroethene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	41 1,1,1,2-Tetrachloroethane	ND	50 µg/L
7 Acetone	ND	1,000 µg/L	42 Chlorobenzene	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	43 Ethylbenzene	1,000	25 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	44 m,p-Xylene	1,200	25 µg/L
10 Dichloromethane	ND	200 µg/L	45 Bromoform	ND	50 µg/L
11 Freon-113	ND	50 µg/L	46 Styrene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	47 o-Xylene	220	25 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	48 1,1,2,2-Tetrachloroethane	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	950	25 µg/L	49 1,2,3-Trichloropropane	ND	200 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	50 Isopropylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	51 Bromobenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	52 n-Propylbenzene	72	50 µg/L
18 cis-1,2-Dichloroethene	ND	50 µg/L	53 4-Chlorotoluene	ND	50 µg/L
19 Bromochloromethane	ND	50 µg/L	54 2-Chlorotoluene	ND	50 µg/L
20 Chloroform	ND	50 µg/L	55 1,3,5-Trimethylbenzene	50	50 µg/L
21 2,2-Dichloropropane	ND	50 µg/L	56 tert-Butylbenzene	ND	50 µg/L
22 1,2-Dichloroethane	ND	50 µg/L	57 1,2,4-Trimethylbenzene	470	50 µg/L
23 1,1,1-Trichloroethane	ND	50 µg/L	58 sec-Butylbenzene	ND	50 µg/L
24 1,1-Dichloropropene	ND	50 µg/L	59 1,3-Dichlorobenzene	ND	50 µg/L
25 Carbon tetrachloride	ND	50 µg/L	60 1,4-Dichlorobenzene	ND	50 µg/L
26 Benzene	6,400	25 µg/L	61 4-Isopropyltoluene	ND	50 µg/L
27 Dibromomethane	ND	50 µg/L	62 1,2-Dichlorobenzene	ND	50 µg/L
28 1,2-Dichloropropane	ND	50 µg/L	63 n-Butylbenzene	ND	50 µg/L
29 Trichloroethene	ND	50 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
30 Bromodichloromethane	ND	50 µg/L	65 1,2,4-Trichlorobenzene	ND	200 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L	66 Naphthalene	ND	200 µg/L
32 cis-1,3-Dichloropropene	ND	50 µg/L	67 1,2,3-Trichlorobenzene	ND	200 µg/L
33 trans-1,3-Dichloropropene	ND	50 µg/L	68 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
34 1,1,2-Trichloroethane	ND	50 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	92	25 µg/L	70 Surr: 4-Bromofluorobenzene	96	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
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Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shiw-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-10A
Client I.D. Number: EB-1

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	105	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	98	(70-130) %REC

ND = Not Detected

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Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022403-11A
Client I.D. Number: TB-1

Sampled: 02/23/09
Received: 02/24/09
Analyzed: 02/26/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	98	(70-130) %REC

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 / info@alpha-analytical.com

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.

3/4/09

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

VOC Sample Preservation Report

Work Order: GMT09022403

Project: KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
09022403-01A	WCW-13	Aqueous	2
09022403-02A	WCW-3	Aqueous	2
09022403-03A	EXP-5	Aqueous	2
09022403-04A	GMW-0-3	Aqueous	2
09022403-05A	GMW-0-2	Aqueous	2
09022403-06A	GMW-0-1	Aqueous	2
09022403-07A	GMW-0-14	Aqueous	2
09022403-08A	DUP-1	Aqueous	2
09022403-09A	MW-SF-4	Aqueous	2
09022403-10A	EB-1	Aqueous	2
09022403-11A	TB-1	Aqueous	2

3/4/09

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:
02-Mar-09

QC Summary Report

Work Order:
09022403

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015 / E**

File ID:		Batch ID: 21582	Analysis Date: 02/25/2009 14:13							
Sample ID: MBLK-21582	Units : mg/L	Run ID: FID_2_090225A	Prep Date: 02/25/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	90.5		100		90	57	147			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015 / E**

File ID:		Batch ID: 21582	Analysis Date: 02/25/2009 13:48							
Sample ID: LCS-21582	Units : mg/L	Run ID: FID_2_090225A	Prep Date: 02/25/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.55	0.5	2.5		102	67	130			
Surr: Nonane	97.6		100		98	57	147			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015 / E**

File ID:		Batch ID: 21582	Analysis Date: 02/25/2009 15:53							
Sample ID: 09022503-03AMS	Units : mg/L	Run ID: FID_2_090225A	Prep Date: 02/25/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.74	0.5	2.5	0.163	103	49	150			
Surr: Nonane	94.8		100		95	57	147			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015 / E**

File ID:		Batch ID: 21582	Analysis Date: 02/25/2009 16:18							
Sample ID: 09022503-03AMSD	Units : mg/L	Run ID: FID_2_090225A	Prep Date: 02/25/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.74	0.5	2.5	0.163	103	49	150	2.738	0.1(38)	
Surr: Nonane	97.7		100		98	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:
02-Mar-09

QC Summary Report

Work Order:
09022403

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090226\09022606.D

Batch ID: **MS07W0226B**

Analysis Date: **02/26/2009 17:32**

Sample ID: **MBLK MS07W0226B**

Units : **mg/L**

Run ID: **MSD_07_090226A**

Prep Date: **02/26/2009**

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	0.00915		0.01		92	70	130			
Surr: Toluene-d8	0.0104		0.01		104	70	130			
Surr: 4-Bromofluorobenzene	0.00985		0.01		99	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090226\09022603.D

Batch ID: **MS07W0226B**

Analysis Date: **02/26/2009 16:24**

Sample ID: **GLCS MS07W0226B**

Units : **mg/L**

Run ID: **MSD_07_090226A**

Prep Date: **02/26/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.352	0.05	0.4		88	70	130			
Surr: 1,2-Dichloroethane-d4	0.00907		0.01		91	70	130			
Surr: Toluene-d8	0.01		0.01		100	70	130			
Surr: 4-Bromofluorobenzene	0.0097		0.01		97	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090226\09022610.D

Batch ID: **MS07W0226B**

Analysis Date: **02/26/2009 19:05**

Sample ID: **09022403-01AGS**

Units : **mg/L**

Run ID: **MSD_07_090226A**

Prep Date: **02/26/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.68	0.25	2	0	84	58	135			
Surr: 1,2-Dichloroethane-d4	0.0453		0.05		91	70	130			
Surr: Toluene-d8	0.0495		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0488		0.05		98	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090226\09022611.D

Batch ID: **MS07W0226B**

Analysis Date: **02/26/2009 19:27**

Sample ID: **09022403-01AGSD**

Units : **mg/L**

Run ID: **MSD_07_090226A**

Prep Date: **02/26/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.8	0.25	2	0	90	58	135	1.676	7.2(20)	
Surr: 1,2-Dichloroethane-d4	0.0449		0.05		90	70	130			
Surr: Toluene-d8	0.05		0.05		100	70	130			
Surr: 4-Bromofluorobenzene	0.049		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:
02-Mar-09

QC Summary Report

Work Order:
09022403

Naphthalene	ND	10					
1,2,3-Trichlorobenzene	ND	2					
Surr: 1,2-Dichloroethane-d4	9.15		10		92	70	130
Surr: Toluene-d8	10.4		10		104	70	130
Surr: 4-Bromofluorobenzene	9.85		10		99	70	130

Laboratory Control Spike

Type LCS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\090226\09022604.D

Batch ID: MS07W0226A

Analysis Date: 02/26/2009 16:47

Sample ID: LCS MS07W0226A

Units: µg/L

Run ID: MSD_07_090226A

Prep Date: 02/26/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	8.75	1	10		88	80	120			
Methyl tert-butyl ether (MTBE)	10.3	0.5	10		103	62	136			
Benzene	10.2	0.5	10		102	70	130			
Trichloroethene	9.88	1	10		99	70	130			
Toluene	9.93	0.5	10		99	80	120			
Chlorobenzene	9.44	1	10		94	70	130			
Ethylbenzene	9.88	0.5	10		99	80	120			
m,p-Xylene	11.1	0.5	10		111	70	130			
o-Xylene	11.3	0.5	10		113	70	130			
Surr: 1,2-Dichloroethane-d4	8.9		10		89	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	9.94		10		99	70	130			

Sample Matrix Spike

Type MS Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\090226\09022608.D

Batch ID: MS07W0226A

Analysis Date: 02/26/2009 18:20

Sample ID: 09022401-05AMS

Units: µg/L

Run ID: MSD_07_090226A

Prep Date: 02/26/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	40.9	2.5	50	0	82	60	130			
Methyl tert-butyl ether (MTBE)	47.2	1.3	50	0	94	56	141			
Benzene	50.3	1.3	50	0	101	67	130			
Trichloroethene	48.3	2.5	50	0	97	69	130			
Toluene	47.6	1.3	50	0	95	66	130			
Chlorobenzene	46.2	2.5	50	0	92	70	130			
Ethylbenzene	47.8	1.3	50	0	96	68	130			
m,p-Xylene	53	1.3	50	0	106	64	130			
o-Xylene	54.2	1.3	50	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	46.1		50		92	70	130			
Surr: Toluene-d8	50.2		50		100	70	130			
Surr: 4-Bromofluorobenzene	48.6		50		97	70	130			

Sample Matrix Spike Duplicate

Type MSD Test Code: EPA Method SW8260B

File ID: C:\HPCHEM\MS07\DATA\090226\09022609.D

Batch ID: MS07W0226A

Analysis Date: 02/26/2009 18:42

Sample ID: 09022401-05AMSD

Units: µg/L

Run ID: MSD_07_090226A

Prep Date: 02/26/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44	2.5	50	0	88	60	130	40.92	7.1(20)	
Methyl tert-butyl ether (MTBE)	49.7	1.3	50	0	99	56	141	47.23	5.0(20)	
Benzene	52.4	1.3	50	0	105	67	130	50.3	4.0(20)	
Trichloroethene	49.7	2.5	50	0	99	69	130	48.27	2.9(20)	
Toluene	50.3	1.3	50	0	101	66	130	47.63	5.4(20)	
Chlorobenzene	48.7	2.5	50	0	97	70	130	46.17	5.3(20)	
Ethylbenzene	50.5	1.3	50	0	101	68	130	47.8	5.5(20)	
m,p-Xylene	56.1	1.3	50	0	112	64	130	52.95	5.7(20)	
o-Xylene	57.2	1.3	50	0	114	70	130	54.24	5.3(20)	
Surr: 1,2-Dichloroethane-d4	45.1		50		90	70	130			
Surr: Toluene-d8	50.9		50		102	70	130			
Surr: 4-Bromofluorobenzene	49		50		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.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA AMENDED #2

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC09022403
Report Due By : 5:00 PM On : 05-Mar-2009

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention **Phone Number** **Email Address**
 Show-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhumes

PO : Cooler Temp 4 °C Samples Received 24-Feb-2009 Date Printed 06-Mar-2009
 Client's COC # : none Job : KMEP Norwalk
 QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W	TPHP_W	VOC_W		
GMT09022403-01A	WCW-13	AQ 02/23/09 08:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-02A	WCW-3	AQ 02/23/09 08:55	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-03A	EXP-5	AQ 02/23/09 10:05	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-04A	GMW-O-3	AQ 02/23/09 11:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-05A	GMW-O-2	AQ 02/23/09 11:35	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-06A	GMW-O-1	AQ 02/23/09 12:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-07A	GMW-O-14	AQ 02/23/09 13:30	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-08A	DUP-1	AQ 02/23/09 00:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:43. Per email from Cody Sharbrough deleted TPH/P and TPHP/P from trip blank. EA: Amended 3/6/09 @ 14:15. Per email from Thandar via Barbara changed sample IDs for samples -04A through -07A. EA

Logged in by: Campbell Adams Signature Elizabeth Adams Print Name Elizabeth Adams Company Alpha Analytical, Inc. Date/Time 3.6.09 1421

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 #2
Page 2 of 2

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-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhumes

PO : Cooler Temp Samples Received Date Printed
Client's COC # : none = Final Rpt, MBLK, LCS, MS/MSD with Surrogates Job : KMEP Norwalk 4 °C 24-Feb-2009 06-Mar-2009

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W +Vinyl acetate	TPHP_W +Vinyl acetate	VOC_W +Vinyl acetate		
GMT09022403-09A	MW-SF-4	AQ 02/23/09 14:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHP(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09022403-10A	EB-1	AQ 02/23/09 14:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHP(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09022403-11A	TB-1	AQ 02/23/09 07:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHP(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blanks (4) 1/20/09 (2) 2/2/09

Comments: Security seals intact. Frozen ice. If TBAs is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:43. Per email from Cody Startrough deleted TPHhp and TPH/P from trip blank. EA : Amended 3/6/09 @ 14:15. Per email from Thandar via Barbara changed sample IDs for samples -04A through -07A. EA

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 3.6.09 1421

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

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC09022403
Report Due By : 5:00 PM On : 05-Mar-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention Phone Number Email Address
 Shiw-Wei Chou (949) 642-0245 x shiw-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhumes

PO : Cooler Temp Samples Received Date Printed
 Client's COC # : none Job : KMEP Norwalk 4 °C 24-Feb-2009 04-Mar-2009

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W	TPHP_W	VOC_W		
GMT09022403-01A	WCW-13	AQ 02/23/09 08:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-02A	WCW-3	AQ 02/23/09 08:55	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-03A	EXP-5	AQ 02/23/09 10:05	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-04A	GMW-0-3	AQ 02/23/09 11:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-05A	GMW-0-2	AQ 02/23/09 11:35	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-06A	GMW-0-1	AQ 02/23/09 12:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-07A	GMW-0-14	AQ 02/23/09 13:30	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-08A	DUP-1	AQ 02/23/09 00:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:43. Per email from Cody Shatrough deleted TPHp and TPH/P from trip blank. EA:

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 3-4-09 7:46

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

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTTC09022403

Report Due By : 5:00 PM On : 05-Mar-2009

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention

Show-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

Email Address

EDD Required : Yes

Sampled by : T. Rhumes

Cooler Temp

Samples Received

Date Printed

4 °C

24-Feb-2009

04-Mar-2009

Client's COC # : none

Job : KMEP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD with Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W +Vinyl acetate	TPHP_W +Vinyl acetate	VOC_W +Vinyl acetate		
GMT09022403-09A	NW-SF-4	AQ 02/23/09 14:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09022403-10A	EB-1	AQ 02/23/09 14:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09022403-11A	TB-1	AQ 02/23/09 07:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blanks (4) 1/20/09 (2) 2/2/09

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:43. Per email from Cody Sharbrough deleted TPHfp and TPH/P from trip blank. FA:

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 3-4-09 7:46

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 : GMTC09022403
Report Due By : 5:00 PM On : 05-Mar-2009

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention **Phone Number** **Email Address**
 Shinow-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhumes

PO : **Client's COC # :** none **Job :** KMEP Norwalk **Cooler Temp** **Samples Received** **Date Printed**
 4 °C 24-Feb-2009 24-Feb-2009

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub TAT	Requested Tests			Sample Remarks
				TPHE W	TPHP W	VOC W	
GMT09022403-01A	WCW-13	AQ 02/23/09 08:10	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-02A	WCW-3	AQ 02/23/09 08:55	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-03A	EXP-5	AQ 02/23/09 10:05	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-04A	GMW-0-3	AQ 02/23/09 11:00	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-05A	GMW-0-2	AQ 02/23/09 11:35	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-06A	GMW-0-1	AQ 02/23/09 12:10	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-07A	GMW-0-14	AQ 02/23/09 13:30	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	
GMT09022403-08A	DUP-1	AQ 02/23/09 00:00	6 0 7	TPHE(0.10) +VinyI acetate	TPHP(0.10) +VinyI acetate	TPHE(0.10) +VinyI acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes.

Logged in by: Elizabeth Aldcox **Signature** Elizabeth Aldcox **Print Name** Alpha Analytical, Inc. **Company** 2-24-09 1046 **Date/Time**

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 : GMTC09022403
Report Due By : 5:00 PM On : 05-Mar-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention Phone Number Email Address
 Shiow-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhumes

PO : Cooler Temp 4 °C Samples Received 24-Feb-2009 Date Printed 24-Feb-2009
 Client's COC # : none Job : KMEP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MSMSD With Surrogates

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles			Requested Tests			Sample Remarks
			Alpha	Sub	TAT	TPHE_W	TPHP_W	VOC_W	
GMT09022403-09A	MW-SF-4	02/23/09 14:20	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-10A	EB-1	02/23/09 14:40	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022403-11A	TB-1	02/23/09 07:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	Reno Trip Blanks (4) 1/20/09 (2) 2/2/09

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes.

Logged in by: Caprieth Adams Signature: [Signature] Print Name: Elizabeth Adams Company: Alpha Analytical, Inc. Date/Time: 2-24-09 1046

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

APR 14
 16:15

COC 1 of 2

CHAIN OF CUSTODY

CLIENT: Kinder Morgan
 SITE: Norwalk
 15306 Norwalk Blvd, Norwalk

LAB Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan GX-190
 Report to:
 Thandat Phyu and Shiew-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave, Suite 200
 Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX	AQ #	Water #	CONTAINERS		CONDUCT ANALYSIS TO DETECT			ADDL INFORMATION	STATUS	CONDITION	LAB SAMPLE #
						Preservation	Type	EPA 8015M TPHg	EPA 8260B VOC's, TBA, MTBE	EPA 8015M TPHfp				
WCM-13	2-23-09	08:10	AQ	6		HCL	VQA	X	X	X				-01
WCM-3		08:55	AQ	6		HCL	VQA	X	X	X				-02
EXR-5		10:05	AQ	6		HCL	VQA	X	X	X				-03
GMW-0-3		11:00	AQ	6		HCL	VQA	X	X	X				-04
GMW-0-2		11:35	AQ	6		HCL	VQA	X	X	X				-05
GMW-0-1		12:10	AQ	6		HCL	VQA	X	X	X				-06
GMW-0-14		13:30	AQ	6		HCL	VQA	X	X	X				-07
DUP-1			AQ	6		HCL	VQA	X	X	X				-08
MW-5F-4		14:20	AQ	6		HCL	VQA	X	X	X				-09
ER-1		14:40	AQ	6		HCL	VQA	X	X	X				-10

SAMPLING COMPLETED: 2-23-09 14:40
 DATE: 2-23-09 TIME: 15:15
 PERFORMED BY: T. RATHNIES
 RESULTS NEEDED: Standard

RELEASED BY: [Signature]
 RECEIVED BY: [Signature]
 TIME: 15:15
 DATE: 2-24-09 TIME: 10:46

RECEIVED BY: [Signature]
 RECEIVED BY: [Signature]
 TIME: 16:15
 DATE: 2-24-09 TIME: 10:46

SHIPPED VIA: [Blank]
 TIME SENT: [Blank]
 COOLER #: [Blank]



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 : 02/25/09

Job#: KMEP Norwalk

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : MW-SF-1	TPH-E (Fuel Product)	10 *	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-02A	Surr: Nonane	93	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	11	5.0 mg/L	02/24/09	03/03/09
	Surr: 1,2-Dichloroethane-d4	88	(70-130) %REC	02/24/09	03/03/09
	Surr: Toluene-d8	103	(70-130) %REC	02/24/09	03/03/09
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	02/24/09	03/03/09
Client ID : PZ-5	TPH-E (Fuel Product)	0.44 *	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-03A	Surr: Nonane	95	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	1.0	0.20 mg/L	02/24/09	03/03/09
	Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC	02/24/09	03/03/09
	Surr: Toluene-d8	105	(70-130) %REC	02/24/09	03/03/09
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	02/24/09	03/03/09
Client ID : DUP-2	TPH-E (Fuel Product)	0.45 *	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-04A	Surr: Nonane	92	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	1.0	0.20 mg/L	02/24/09	03/03/09
	Surr: 1,2-Dichloroethane-d4	86	(70-130) %REC	02/24/09	03/03/09
	Surr: Toluene-d8	105	(70-130) %REC	02/24/09	03/03/09
	Surr: 4-Bromofluorobenzene	97	(70-130) %REC	02/24/09	03/03/09
Client ID : GMW-39	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-05A	Surr: Nonane	99	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/24/09	03/03/09
	Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC	02/24/09	03/03/09
	Surr: Toluene-d8	104	(70-130) %REC	02/24/09	03/03/09
	Surr: 4-Bromofluorobenzene	100	(70-130) %REC	02/24/09	03/03/09
Client ID : EXP-1	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-06A	Surr: Nonane	100	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/24/09	02/27/09
	Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC	02/24/09	02/27/09
	Surr: Toluene-d8	103	(70-130) %REC	02/24/09	02/27/09
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	02/24/09	02/27/09
Client ID : EXP-3	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID : GMT09022503-07A	Surr: Nonane	93	(57-147) %REC	02/24/09	02/25/09
	TPH-P (GRO)	ND	0.050 mg/L	02/24/09	02/27/09
	Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	02/24/09	02/27/09
	Surr: Toluene-d8	104	(70-130) %REC	02/24/09	02/27/09
	Surr: 4-Bromofluorobenzene	99	(70-130) %REC	02/24/09	02/27/09



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID :	EXP-2	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID :	GMT09022503-08A	Surr: Nonane	100	(57-147) %REC	02/24/09	02/25/09
		TPH-P (GRO)	ND	0.050 mg/L	02/24/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	02/24/09	02/27/09
		Surr: Toluene-d8	104	(70-130) %REC	02/24/09	02/27/09
		Surr: 4-Bromofluorobenzene	96	(70-130) %REC	02/24/09	02/27/09
Client ID :	WCW-7	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID :	GMT09022503-09A	Surr: Nonane	101	(57-147) %REC	02/24/09	02/25/09
		TPH-P (GRO)	ND	0.050 mg/L	02/24/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	86	(70-130) %REC	02/24/09	02/27/09
		Surr: Toluene-d8	103	(70-130) %REC	02/24/09	02/27/09
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	02/24/09	02/27/09
Client ID :	EB-2	TPH-E (Fuel Product)	ND	0.10 mg/L	02/24/09	02/25/09
Lab ID :	GMT09022503-10A	Surr: Nonane	104	(57-147) %REC	02/24/09	02/25/09
		TPH-P (GRO)	ND	0.050 mg/L	02/24/09	02/27/09
		Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	02/24/09	02/27/09
		Surr: Toluene-d8	104	(70-130) %REC	02/24/09	02/27/09
		Surr: 4-Bromofluorobenzene	98	(70-130) %REC	02/24/09	02/27/09

*Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.

Gasoline Range Organics (GRO) C4-C13

This replaces the report originally signed 3/5/09, due to a change in the sample ID for sample 03A, per client request.

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 / info@alpha-analytical.com

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.

3/6/09

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-01A
Client I.D. Number: TB-2

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	99	(70-130) %REC

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

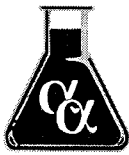
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AS
3/5/09

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-02A
Client I.D. Number: MW-SF-1

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 03/03/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	50 µg/L	36 1,3-Dichloropropane	ND	50 µg/L
2 Chloromethane	ND	200 µg/L	37 2-Hexanone	ND	500 µg/L
3 Vinyl chloride	ND	50 µg/L	38 Dibromochloromethane	ND	50 µg/L
4 Chloroethane	ND	50 µg/L	39 1,2-Dibromoethane (EDB)	ND	200 µg/L
5 Bromomethane	ND	200 µg/L	40 Tetrachloroethene	ND	50 µg/L
6 Trichlorofluoromethane	ND	50 µg/L	41 1,1,1,2-Tetrachloroethane	ND	50 µg/L
7 Acetone	ND	1,000 µg/L	42 Chlorobenzene	ND	50 µg/L
8 1,1-Dichloroethene	ND	50 µg/L	43 Ethylbenzene	160	25 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	500 µg/L	44 m,p-Xylene	65	25 µg/L
10 Dichloromethane	ND	200 µg/L	45 Bromoform	ND	50 µg/L
11 Freon-113	ND	50 µg/L	46 Styrene	ND	50 µg/L
12 Carbon disulfide	ND	250 µg/L	47 o-Xylene	ND	25 µg/L
13 trans-1,2-Dichloroethene	ND	50 µg/L	48 1,1,2,2-Tetrachloroethane	ND	50 µg/L
14 Methyl tert-butyl ether (MTBE)	420	25 µg/L	49 1,2,3-Trichloropropane	ND	200 µg/L
15 1,1-Dichloroethane	ND	50 µg/L	50 Isopropylbenzene	ND	50 µg/L
16 Vinyl acetate	ND	5,000 µg/L	51 Bromobenzene	ND	50 µg/L
17 2-Butanone (MEK)	ND	1,000 µg/L	52 n-Propylbenzene	ND	50 µg/L
18 cis-1,2-Dichloroethene	ND	50 µg/L	53 4-Chlorotoluene	ND	50 µg/L
19 Bromochloromethane	ND	50 µg/L	54 2-Chlorotoluene	ND	50 µg/L
20 Chloroform	ND	50 µg/L	55 1,3,5-Trimethylbenzene	ND	50 µg/L
21 2,2-Dichloropropane	ND	50 µg/L	56 tert-Butylbenzene	ND	50 µg/L
22 1,2-Dichloroethane	ND	50 µg/L	57 1,2,4-Trimethylbenzene	ND	50 µg/L
23 1,1,1-Trichloroethane	ND	50 µg/L	58 sec-Butylbenzene	ND	50 µg/L
24 1,1-Dichloropropene	ND	50 µg/L	59 1,3-Dichlorobenzene	ND	50 µg/L
25 Carbon tetrachloride	ND	50 µg/L	60 1,4-Dichlorobenzene	ND	50 µg/L
26 Benzene	6,300	25 µg/L	61 4-Isopropyltoluene	ND	50 µg/L
27 Dibromomethane	ND	50 µg/L	62 1,2-Dichlorobenzene	ND	50 µg/L
28 1,2-Dichloropropane	ND	50 µg/L	63 n-Butylbenzene	ND	50 µg/L
29 Trichloroethene	ND	50 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	300 µg/L
30 Bromodichloromethane	ND	50 µg/L	65 1,2,4-Trichlorobenzene	ND	200 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	250 µg/L	66 Naphthalene	ND	200 µg/L
32 cis-1,3-Dichloropropene	ND	50 µg/L	67 1,2,3-Trichlorobenzene	ND	200 µg/L
33 trans-1,3-Dichloropropene	ND	50 µg/L	68 Surr: 1,2-Dichloroethane-d4	88	(70-130) %REC
34 1,1,2-Trichloroethane	ND	50 µg/L	69 Surr: Toluene-d8	103	(70-130) %REC
35 Toluene	85	25 µg/L	70 Surr: 4-Bromofluorobenzene	95	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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3/5/09

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-03A
Client I.D. Number: PZ-5

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 03/03/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	36 1,3-Dichloropropane	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	37 2-Hexanone	ND	20 µg/L
3 Vinyl chloride	ND	2.0 µg/L	38 Dibromochloromethane	ND	2.0 µg/L
4 Chloroethane	ND	2.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	8.0 µg/L
5 Bromomethane	ND	8.0 µg/L	40 Tetrachloroethene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	42 Chlorobenzene	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	43 Ethylbenzene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	37,000 *	400 µg/L	44 m,p-Xylene	ND	1.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	45 Bromoform	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	47 o-Xylene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1,200	1.0 µg/L	49 1,2,3-Trichloropropane	ND	8.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	50 Isopropylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	51 Bromobenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	52 n-Propylbenzene	ND	2.0 µg/L
18 cis-1,2-Dichloroethene	ND	2.0 µg/L	53 4-Chlorotoluene	ND	2.0 µg/L
19 Bromochloromethane	ND	2.0 µg/L	54 2-Chlorotoluene	ND	2.0 µg/L
20 Chloroform	ND	2.0 µg/L	55 1,3,5-Trimethylbenzene	ND	2.0 µg/L
21 2,2-Dichloropropane	ND	2.0 µg/L	56 tert-Butylbenzene	ND	2.0 µg/L
22 1,2-Dichloroethane	ND	2.0 µg/L	57 1,2,4-Trimethylbenzene	ND	2.0 µg/L
23 1,1,1-Trichloroethane	ND	2.0 µg/L	58 sec-Butylbenzene	ND	2.0 µg/L
24 1,1-Dichloropropene	ND	2.0 µg/L	59 1,3-Dichlorobenzene	ND	2.0 µg/L
25 Carbon tetrachloride	ND	2.0 µg/L	60 1,4-Dichlorobenzene	ND	2.0 µg/L
26 Benzene	61	1.0 µg/L	61 4-Isopropyltoluene	ND	2.0 µg/L
27 Dibromomethane	ND	2.0 µg/L	62 1,2-Dichlorobenzene	ND	2.0 µg/L
28 1,2-Dichloropropane	ND	2.0 µg/L	63 n-Butylbenzene	ND	2.0 µg/L
29 Trichloroethene	ND	2.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
30 Bromodichloromethane	ND	2.0 µg/L	65 1,2,4-Trichlorobenzene	ND	8.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	2.0 µg/L	67 1,2,3-Trichlorobenzene	ND	8.0 µg/L
33 trans-1,3-Dichloropropene	ND	2.0 µg/L	68 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
34 1,1,2-Trichloroethane	ND	2.0 µg/L	69 Surr: Toluene-d8	105	(70-130) %REC
35 Toluene	ND	1.0 µg/L	70 Surr: 4-Bromofluorobenzene	97	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

*Note: TBA was analyzed on 2/28/09 in order to achieve better reporting limits for the other analytes.

This replaces the report originally signed 3/5/09, due to a change in the sample ID, per client request.

ND = Not Detected

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3/6/09

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-04A
Client I.D. Number: DUP-2

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 03/03/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	36 1,3-Dichloropropane	ND	2.0 µg/L
2 Chloromethane	ND	8.0 µg/L	37 2-Hexanone	ND	20 µg/L
3 Vinyl chloride	ND	2.0 µg/L	38 Dibromochloromethane	ND	2.0 µg/L
4 Chloroethane	ND	2.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	8.0 µg/L
5 Bromomethane	ND	8.0 µg/L	40 Tetrachloroethene	ND	2.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	2.0 µg/L
7 Acetone	ND	40 µg/L	42 Chlorobenzene	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	43 Ethylbenzene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	37,000 *	400 µg/L	44 m,p-Xylene	ND	1.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	45 Bromoform	ND	2.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	2.0 µg/L
12 Carbon disulfide	ND	10 µg/L	47 o-Xylene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	2.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1,200	1.0 µg/L	49 1,2,3-Trichloropropane	ND	8.0 µg/L
15 1,1-Dichloroethane	ND	2.0 µg/L	50 Isopropylbenzene	ND	2.0 µg/L
16 Vinyl acetate	ND	200 µg/L	51 Bromobenzene	ND	2.0 µg/L
17 2-Butanone (MEK)	ND	40 µg/L	52 n-Propylbenzene	ND	2.0 µg/L
18 cis-1,2-Dichloroethene	ND	2.0 µg/L	53 4-Chlorotoluene	ND	2.0 µg/L
19 Bromochloromethane	ND	2.0 µg/L	54 2-Chlorotoluene	ND	2.0 µg/L
20 Chloroform	ND	2.0 µg/L	55 1,3,5-Trimethylbenzene	ND	2.0 µg/L
21 2,2-Dichloropropane	ND	2.0 µg/L	56 tert-Butylbenzene	ND	2.0 µg/L
22 1,2-Dichloroethane	ND	2.0 µg/L	57 1,2,4-Trimethylbenzene	ND	2.0 µg/L
23 1,1,1-Trichloroethane	ND	2.0 µg/L	58 sec-Butylbenzene	ND	2.0 µg/L
24 1,1-Dichloropropene	ND	2.0 µg/L	59 1,3-Dichlorobenzene	ND	2.0 µg/L
25 Carbon tetrachloride	ND	2.0 µg/L	60 1,4-Dichlorobenzene	ND	2.0 µg/L
26 Benzene	61	1.0 µg/L	61 4-Isopropyltoluene	ND	2.0 µg/L
27 Dibromomethane	ND	2.0 µg/L	62 1,2-Dichlorobenzene	ND	2.0 µg/L
28 1,2-Dichloropropane	ND	2.0 µg/L	63 n-Butylbenzene	ND	2.0 µg/L
29 Trichloroethene	ND	2.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
30 Bromodichloromethane	ND	2.0 µg/L	65 1,2,4-Trichlorobenzene	ND	8.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	2.0 µg/L	67 1,2,3-Trichlorobenzene	ND	8.0 µg/L
33 trans-1,3-Dichloropropene	ND	2.0 µg/L	68 Surr: 1,2-Dichloroethane-d4	86	(70-130) %REC
34 1,1,2-Trichloroethane	ND	2.0 µg/L	69 Surr: Toluene-d8	105	(70-130) %REC
35 Toluene	ND	1.0 µg/L	70 Surr: 4-Bromofluorobenzene	97	(70-130) %REC

Reporting Limits were increased due to high concentrations of target analytes.

*Note: TBA was analyzed on 2/28/09 in order to achieve better reporting limits for the other analytes.

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.

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-05A
Client I.D. Number: GMW-39

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 03/03/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	3,400 *	40 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	85	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	100	(70-130) %REC

*Note: TBA was analyzed on 2/28/09 in order to achieve better reporting limits for the other analytes.

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-06A
Client I.D. Number: EXP-1

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	103	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	99	(70-130) %REC

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.

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 Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-07A
Client I.D. Number: EXP-3

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	99	(70-130) %REC

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-08A
Client I.D. Number: EXP-2

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	96	(70-130) %REC

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

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-09A
Client I.D. Number: WCW-7

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.4	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	40	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	86	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	103	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	92	(70-130) %REC

ND = Not Detected

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ANALYTICAL REPORT

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
Newport Beach, CA 926633627
Job#: KMEP Norwalk

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09022503-10A
Client I.D. Number: EB-2

Sampled: 02/24/09
Received: 02/25/09
Analyzed: 02/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,3-Dichloropropane	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 2-Hexanone	ND	5.0 µg/L
3 Vinyl chloride	ND	0.50 µg/L	38 Dibromochloromethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Tetrachloroethene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	41 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L
7 Acetone	ND	10 µg/L	42 Chlorobenzene	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Ethylbenzene	ND	0.50 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 m,p-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	5.0 µg/L	45 Bromoform	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	46 Styrene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	47 o-Xylene	ND	0.50 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	48 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	49 1,2,3-Trichloropropane	ND	2.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	50 Isopropylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	51 Bromobenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	52 n-Propylbenzene	ND	1.0 µg/L
18 cis-1,2-Dichloroethene	ND	1.0 µg/L	53 4-Chlorotoluene	ND	1.0 µg/L
19 Bromochloromethane	ND	1.0 µg/L	54 2-Chlorotoluene	ND	1.0 µg/L
20 Chloroform	ND	1.0 µg/L	55 1,3,5-Trimethylbenzene	ND	1.0 µg/L
21 2,2-Dichloropropane	ND	1.0 µg/L	56 tert-Butylbenzene	ND	1.0 µg/L
22 1,2-Dichloroethane	ND	0.50 µg/L	57 1,2,4-Trimethylbenzene	ND	1.0 µg/L
23 1,1,1-Trichloroethane	ND	1.0 µg/L	58 sec-Butylbenzene	ND	1.0 µg/L
24 1,1-Dichloropropene	ND	1.0 µg/L	59 1,3-Dichlorobenzene	ND	1.0 µg/L
25 Carbon tetrachloride	ND	1.0 µg/L	60 1,4-Dichlorobenzene	ND	1.0 µg/L
26 Benzene	ND	0.50 µg/L	61 4-Isopropyltoluene	ND	1.0 µg/L
27 Dibromomethane	ND	1.0 µg/L	62 1,2-Dichlorobenzene	ND	1.0 µg/L
28 1,2-Dichloropropane	ND	1.0 µg/L	63 n-Butylbenzene	ND	1.0 µg/L
29 Trichloroethene	ND	1.0 µg/L	64 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
30 Bromodichloromethane	ND	1.0 µg/L	65 1,2,4-Trichlorobenzene	ND	2.0 µg/L
31 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L	66 Naphthalene	ND	10 µg/L
32 cis-1,3-Dichloropropene	ND	0.50 µg/L	67 1,2,3-Trichlorobenzene	ND	2.0 µg/L
33 trans-1,3-Dichloropropene	ND	0.50 µg/L	68 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
34 1,1,2-Trichloroethane	ND	1.0 µg/L	69 Surr: Toluene-d8	104	(70-130) %REC
35 Toluene	ND	0.50 µg/L	70 Surr: 4-Bromofluorobenzene	98	(70-130) %REC

ND = Not Detected

Roger Scholl

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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

VOC Sample Preservation Report

Work Order: GMT09022503

Project: KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
09022503-01A	TB-2	Aqueous	2
09022503-02A	MW-SF-1	Aqueous	2
09022503-03A	P2-5	Aqueous	2
09022503-04A	DUP-2	Aqueous	2
09022503-05A	GMW-39	Aqueous	2
09022503-06A	EXP-1	Aqueous	2
09022503-07A	EXP-3	Aqueous	2
09022503-08A	EXP-2	Aqueous	2
09022503-09A	WCW-7	Aqueous	2
09022503-10A	EB-2	Aqueous	2

3/5/09

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:
04-Mar-09

QC Summary Report

Work Order:
09022503

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015 / E							
File ID:		MBLK	Batch ID: 21582					Analysis Date: 02/25/2009 14:13		
Sample ID:	MBLK-21582	Units : mg/L	Run ID: FID_2_090225A					Prep Date: 02/25/2009		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	90.5		100		90	57	147			

Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015 / E							
File ID:		LCS	Batch ID: 21582					Analysis Date: 02/25/2009 13:48		
Sample ID:	LCS-21582	Units : mg/L	Run ID: FID_2_090225A					Prep Date: 02/25/2009		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.55	0.5	2.5		102	67	130			
Surr: Nonane	97.6		100		98	57	147			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015 / E							
File ID:		MS	Batch ID: 21582					Analysis Date: 02/25/2009 15:53		
Sample ID:	09022503-03AMS	Units : mg/L	Run ID: FID_2_090225A					Prep Date: 02/25/2009		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.74	0.5	2.5	0.163	103	49	150			
Surr: Nonane	94.8		100		95	57	147			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015 / E							
File ID:		MSD	Batch ID: 21582					Analysis Date: 02/25/2009 16:18		
Sample ID:	09022503-03AMSD	Units : mg/L	Run ID: FID_2_090225A					Prep Date: 02/25/2009		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.74	0.5	2.5	0.163	103	49	150	2.738	0.1(38)	
Surr: Nonane	97.7		100		98	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:
04-Mar-09

QC Summary Report

Work Order:
09022503

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022706.D

Batch ID: **MS07W0227B**

Analysis Date: **02/27/2009 17:30**

Sample ID: **MBLK MS07W0227B**

Units : **mg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

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	0.00933		0.01		93	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.00977		0.01		98	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022703.D

Batch ID: **MS07W0227B**

Analysis Date: **02/27/2009 16:22**

Sample ID: **GLCS MS07W0227B**

Units : **mg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.365	0.05	0.4		91	70	130			
Surr: 1,2-Dichloroethane-d4	0.00919		0.01		92	70	130			
Surr: Toluene-d8	0.00999		0.01		99.9	70	130			
Surr: 4-Bromofluorobenzene	0.00969		0.01		97	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022710.D

Batch ID: **MS07W0227B**

Analysis Date: **02/27/2009 19:01**

Sample ID: **09022503-08AGS**

Units : **mg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.68	0.25	2	0	84	58	135			
Surr: 1,2-Dichloroethane-d4	0.0449		0.05		90	70	130			
Surr: Toluene-d8	0.0501		0.05		100	70	130			
Surr: 4-Bromofluorobenzene	0.049		0.05		98	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022711.D

Batch ID: **MS07W0227B**

Analysis Date: **02/27/2009 19:24**

Sample ID: **09022503-08AGSD**

Units : **mg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.72	0.25	2	0	86	58	135	1.678	2.6(20)	
Surr: 1,2-Dichloroethane-d4	0.045		0.05		90	70	130			
Surr: Toluene-d8	0.0497		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0489		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:
04-Mar-09

QC Summary Report

Work Order:
09022503

Naphthalene	ND	10					
1,2,3-Trichlorobenzene	ND	2					
Surr: 1,2-Dichloroethane-d4	9.33		10	93	70	130	
Surr: Toluene-d8	10.3		10	103	70	130	
Surr: 4-Bromofluorobenzene	9.77		10	98	70	130	

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022704.D

Batch ID: **MS07W0227A**

Analysis Date: **02/27/2009 16:45**

Sample ID: **LCS MS07W0227A**

Units : **µg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.18	1	10		92	80	120			
Methyl tert-butyl ether (MTBE)	10.5	0.5	10		105	62	136			
Benzene	10.5	0.5	10		105	70	130			
Trichloroethene	9.87	1	10		99	70	130			
Toluene	10.1	0.5	10		101	80	120			
Chlorobenzene	9.42	1	10		94	70	130			
Ethylbenzene	9.86	0.5	10		99	80	120			
m,p-Xylene	11	0.5	10		110	70	130			
o-Xylene	11.3	0.5	10		113	70	130			
Surr: 1,2-Dichloroethane-d4	9.68		10		97	70	130			
Surr: Toluene-d8	10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022708.D

Batch ID: **MS07W0227A**

Analysis Date: **02/27/2009 18:15**

Sample ID: **09022503-08AMS**

Units : **µg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	40.3	2.5	50	0	81	60	130			
Methyl tert-butyl ether (MTBE)	46.9	1.3	50	0	94	56	141			
Benzene	48.8	1.3	50	0	98	67	130			
Trichloroethene	45.6	2.5	50	0	91	69	130			
Toluene	46.1	1.3	50	0	92	66	130			
Chlorobenzene	45.3	2.5	50	0	91	70	130			
Ethylbenzene	46.8	1.3	50	0	94	68	130			
m,p-Xylene	51.4	1.3	50	0	103	64	130			
o-Xylene	53	1.3	50	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	46.6		50		93	70	130			
Surr: Toluene-d8	49.3		50		99	70	130			
Surr: 4-Bromofluorobenzene	47.9		50		96	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: C:\HPCHEM\MS07\DATA\090227\09022709.D

Batch ID: **MS07W0227A**

Analysis Date: **02/27/2009 18:38**

Sample ID: **09022503-08AMS**

Units : **µg/L**

Run ID: **MSD_07_090227B**

Prep Date: **02/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	40.4	2.5	50	0	81	60	130	40.28	0.2(20)	
Methyl tert-butyl ether (MTBE)	47.7	1.3	50	0	95	56	141	46.85	1.7(20)	
Benzene	48.8	1.3	50	0	98	67	130	48.84	0.1(20)	
Trichloroethene	46.3	2.5	50	0	93	69	130	45.6	1.4(20)	
Toluene	46.6	1.3	50	0	93	66	130	46.08	1.2(20)	
Chlorobenzene	45.1	2.5	50	0	90	70	130	45.31	0.4(20)	
Ethylbenzene	46.9	1.3	50	0	94	68	130	46.78	0.3(20)	
m,p-Xylene	52	1.3	50	0	104	64	130	51.44	1.0(20)	
o-Xylene	53.3	1.3	50	0	107	70	130	53.01	0.6(20)	
Surr: 1,2-Dichloroethane-d4	44.8		50		90	70	130			
Surr: Toluene-d8	50.6		50		101	70	130			
Surr: 4-Bromofluorobenzene	49		50		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.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

AMENDED #2

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMTC09022503
Report Due By : 5:00 PM On : 06-Mar-2009

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention **Phone Number** **Email Address**
 Show-Wei Chou (949) 642-0245 x show-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes

Cooler Temp Samples Received Date Printed

4 °C 25-Feb-2009 06-Mar-2009

Client's COC # : none **Job :** KMEP Norwalk
QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD with Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W	TPHP_W	VOC_W		
GMT09022503-01A	TB-2	AQ 02/24/09 06:30	3	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	VOC(0.10) +Vmyl acetate	Reno Trip Blank 11/5/08
GMT09022503-02A	MW-SF-1	AQ 02/24/09 13:30	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-03A	PZ-5	AQ 02/24/09 12:25	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-04A	DUP-2	AQ 02/24/09 00:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-05A	GMW-39	AQ 02/24/09 11:25	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-06A	EXP-1	AQ 02/24/09 09:55	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-07A	EXP-3	AQ 02/24/09 10:35	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-08A	EXP-2	AQ 02/24/09 09:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	

Comments: Security seals intact. Frozen ice. H₂TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:33. Per email from Cody Starbrough deleted TPHp and TPHP from trip blank. EA : Amended 3/6/09 @ 14:28. Per email from Thandar via Barbara changed sample ID for sample -03A. EA

Logged in by: Elizabeth Alcox Elizabeth Alcox Alpha Analytical, Inc. 3/6/09 14:31

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-Tredlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

AMENDED #2

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMT09022503
Report Due By : 5:00 PM On : 06-Mar-2009

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention **Phone Number** **Email Address**
 Shiw-Wei Chou (949) 642-0245 x shiw-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes

PO :

Job : KMEP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 25-Feb-2009 06-Mar-2009

Client's COC # : none = Final Rpt. MBLK, LCS, MS/MSD with Surrogates

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles		Requested Tests			Sample Remarks
			Alpha	Sub TAT	TPHE_W	TPHP_W	VOC_W	
GMT09022503-09A	WCW-7	AQ 02/24/09 08:10	6	0	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-10A	EB-2	AQ 02/24/09 14:00	6	0	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:33. Per email from Cody Sharprough deleted TPHp and TPH/P from trip blank. EA: Amended 3/6/09 @ 14:28. Per email from Thandar via Barbara changed sample ID for sample -03A. EA

Logged in by: Elizabeth Adcox Signature: [Signature] Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 3/6/09 1431

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: 1 of 2

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : GMT09022503
Report Due By : 5:00 PM On : 06-Mar-2009

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention

Shiow-Wei Chou (949) 642-0245 x shiow-wei.chou@amec.com
Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

Phone Number

Email Address

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes

EDD Required : Yes

Cooler Temp

Samples Received

Date Printed

4 °C

25-Feb-2009

04-Mar-2009

Client's COC # : none

Job : KMEP Norwalk

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD with Surrogates

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W	TPHP_W	VOC_W		
GMT09022503-01A	TB-2	AQ 02/24/09 06:30	3	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	VOC(0.10) +Vmyl acetate	Reno Trip Blank 1/15/08
GMT09022503-02A	MW-SF-1	AQ 02/24/09 13:30	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-03A	P2-5	AQ 02/24/09 12:25	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-04A	DUP-2	AQ 02/24/09 00:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-05A	GMW-39	AQ 02/24/09 11:25	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-06A	EXP-1	AQ 02/24/09 09:55	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-07A	EXP-3	AQ 02/24/09 10:35	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09022503-08A	EXP-2	AQ 02/24/09 09:10	6	0	7	TPHE(0.10) +Vmyl acetate	TPHP(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes. Amended 3/4/09 @ 7:33. Per email from Cody. ~~Shantrough deleted TPHP and TPHP from trip blank. EA.~~

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 3-4-09 7:39

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

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

Norwalk
 15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

EPA 8015M TPHg, TPHfp
 EPA 8260B VOC's, TBA, MTBE

LAB

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Alpha Analytical COC 1 of 1

Kinder Morgan ~~Orange~~ Norwalk
 Report to:
 Thandai Phyu and Shioh-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave, Suite 200
 Newport Beach, CA 92663

ADDL. INFORMATION

STATUS

CONDITION

GMT09022503
 LAB SAMPLE #

AMPLE ID.	DATE	TIME	MATRIX	AQ#	Water	#	Preservation	Type	CONTAINERS	RESULTS NEEDED
TR-2	2-24-09	0830	AQ			3	Ice	VOA		NO LATER THAN
NW-SE-1		1330				1				Standard
P2-5		1225								
QUP-2		1125								
SMW-39		1035								
EXP-1		1035								
EXP-3		0915								
MCW-7		0810								
EB-2		1400								

AMPLING

DATE

TIME

MATRIX

AQ#

Water

#

Preservation

Type

CONTAINERS

RESULTS NEEDED

NO LATER THAN

Standard

RELEASED BY

TIME

RECEIVED BY

DATE

TIME

RELEASED BY

TIME

RECEIVED BY

DATE

TIME

SHIPPED VIA

TIME SENT

COOLER #

DATE

TIME

DATE

TIME

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 : GMTC09022503
Report Due By : 5:00 PM On : 06-Mar-2009

Client:
 AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627

Report Attention **Phone Number** **Email Address**
 Shiw-Wei Chou (949) 642-0245 x shiw-wei.chou@amec.com
 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes

PO :
 Client's COC # : none

Job : KMEP Norwalk

Cooler Temp Samples Received Date Printed
 4 °C 25-Feb-2009 25-Feb-2009

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD with Surrogates

Alpha Sample ID	Client Sample ID	Collection Date	No. of Bottles Alpha Sub	TAT	Requested Tests			Sample Remarks	
					TPHE_W +VmgL acetate	TPHP_W +VmgL acetate	VOC_W +VmgL acetate		
GMT09022503-09A	WCW-7	AQ 02/24/09 08:10	6	0	7	TPHE(0.10) +VmgL acetate	TPHE(0.10) +VmgL acetate	TPHE(0.10) +VmgL acetate	
GMT09022503-10A	EB-2	AQ 02/24/09 14:00	6	0	7	TPHE(0.10) +VmgL acetate	TPHE(0.10) +VmgL acetate	TPHE(0.10) +VmgL acetate	

Comments: Security seals intact. Frozen ice. If TBA is a limiting analyte, overload instrument in order to obtain lower reporting limits for other analytes.

Signature: Elizabeth Alder Print Name: Elizabeth Alder Company: Alpha Analytical, Inc. Date/Time: 2-25-09 10:05

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 : AO(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

Alpha Analytical COC 1 of 1

CHAIN OF CUSTODY

CLIENT: Kinder Morgan
 SITE: Norwalk
 15306 Norwalk Blvd, Norwalk

LAB: Alpha Analytical
 Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

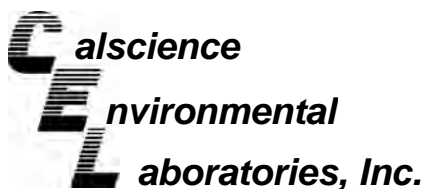
Kinder Morgan GX-190
 Report to:
 Thandat Phyu and Shio-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		EPA 8015M TPHg, TPHfp	EPA 8260B VOC's, TBA, MTBE	ADD'L. INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Type						
TS--2	2-24-09	0830	AQ = Water	3	HCL	X	X				GMT09022503
MN-SE-1		1330		4	VOL	X	X				-01
P2-S		1225				X	X				-02
DUP--2						X	X				-03
GMN-39		1125				X	X				-04
EXP-1		0955				X	X				-05
EXP-3		1035				X	X				-06
EXP-2		0910				X	X				-07
MCM-7		0810				X	X				-08
EB-2		1400				X	X				-09
						X	X				-10

RESULTS NEEDED
 NO LATER THAN Standard

RELEASED BY: *[Signature]* TIME: 1530 RECEIVED BY: *[Signature]* DATE: 2-24-09 TIME: 1530
 RELEASED BY: *[Signature]* TIME: 1530 RECEIVED BY: *[Signature]* DATE: 2-25-09 TIME: 10:05

SHIPPED VIA: _____ TIME SENT: _____ COOLER #: _____



Supplemental Report 1

March 12, 2009

The original report has been revised/corrected.

Thandar Phyu
AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Subject: **CalScience Work Order No.: 09-02-2148**
Client Reference: Kinder Morgan GX-190

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 02/24/2009 and analyzed in accordance with the attached chain-of-custody.

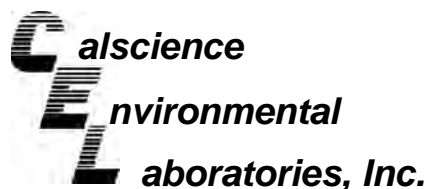
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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, appearing to read "S. Nowak".

CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: Kinder Morgan GX-190

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-5	09-02-2148-1-D	02/24/09 12:25	Aqueous	GC 29	02/26/09	02/26/09 22:43	090226B01

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

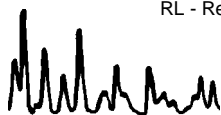
Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	2400	100	48	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
1,4-Bromofluorobenzene	99	38-134				

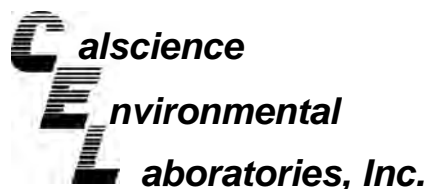
Method Blank	099-12-247-2,906	N/A	Aqueous	GC 29	02/26/09	02/26/09 19:21	090226B01
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	100	48	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
1,4-Bromofluorobenzene	99	38-134				

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





Analytical Report



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: Kinder Morgan GX-190

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-5	09-02-2148-1-G	02/24/09 12:25	Aqueous	GC 46	02/27/09	02/28/09 18:48	090227B15

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.
-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	Units
TPH as Fuel Product	1000	100	86	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Decachlorobiphenyl	89	68-140				

Method Blank	099-12-382-37	N/A	Aqueous	GC 46	02/27/09	03/02/09 15:58	090227B15
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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	Units
TPH as Fuel Product	ND	100	86	1		ug/L
Surrogates:	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	
Decachlorobiphenyl	95	68-140				

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

Analytical Report



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Kinder Morgan GX-190

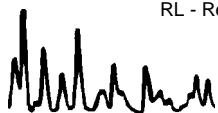
Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
PZ-5	09-02-2148-1-B	02/24/09 12:25	Aqueous	GC/MS FF	02/28/09	02/28/09 19:03	090228L01

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	5000	910	100		c-1,3-Dichloropropene	ND	50	28	100	
Benzene	71	50	28	100		t-1,3-Dichloropropene	ND	50	36	100	
Bromobenzene	ND	100	33	100		Ethylbenzene	ND	100	22	100	
Bromochloromethane	ND	100	69	100		2-Hexanone	ND	1000	690	100	
Bromodichloromethane	ND	100	33	100		Isopropylbenzene	ND	100	23	100	
Bromoform	ND	100	55	100		p-Isopropyltoluene	ND	100	26	100	
Bromomethane	ND	1000	430	100		Methylene Chloride	ND	1000	260	100	
2-Butanone	ND	1000	690	100		4-Methyl-2-Pentanone	ND	1000	440	100	
n-Butylbenzene	ND	100	28	100		Naphthalene	ND	1000	250	100	
sec-Butylbenzene	ND	100	20	100		n-Propylbenzene	ND	100	79	100	
tert-Butylbenzene	ND	100	28	100		Styrene	ND	100	30	100	
Carbon Disulfide	ND	1000	190	100		1,1,1,2-Tetrachloroethane	ND	100	35	100	
Carbon Tetrachloride	ND	50	43	100		1,1,2,2-Tetrachloroethane	ND	100	44	100	
Chlorobenzene	ND	100	22	100		Tetrachloroethene	ND	100	51	100	
Chloroethane	ND	500	130	100		Toluene	ND	100	33	100	
Chloroform	ND	100	33	100		1,2,3-Trichlorobenzene	ND	100	31	100	
Chloromethane	ND	1000	49	100		1,2,4-Trichlorobenzene	ND	100	49	100	
2-Chlorotoluene	ND	100	55	100		1,1,1-Trichloroethane	ND	100	45	100	
4-Chlorotoluene	ND	100	21	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	64	100	
Dibromochloromethane	ND	100	48	100		1,1,2-Trichloroethane	ND	100	54	100	
1,2-Dibromo-3-Chloropropane	ND	500	310	100		Trichloroethene	ND	100	30	100	
1,2-Dibromoethane	ND	100	47	100		Trichlorofluoromethane	ND	1000	31	100	
Dibromomethane	ND	100	59	100		1,2,3-Trichloropropane	ND	500	130	100	
1,2-Dichlorobenzene	ND	100	27	100		1,2,4-Trimethylbenzene	ND	100	24	100	
1,3-Dichlorobenzene	ND	100	28	100		1,3,5-Trimethylbenzene	ND	100	23	100	
1,4-Dichlorobenzene	ND	100	21	100		Vinyl Acetate	ND	1000	710	100	
Dichlorodifluoromethane	ND	100	49	100		Vinyl Chloride	ND	50	33	100	
1,1-Dichloroethane	ND	100	37	100		p/m-Xylene	ND	100	45	100	
1,2-Dichloroethane	ND	50	31	100		o-Xylene	ND	100	24	100	
1,1-Dichloroethene	ND	100	40	100		Methyl-t-Butyl Ether (MTBE)	1400	100	30	100	
c-1,2-Dichloroethene	ND	100	49	100		Tert-Butyl Alcohol (TBA)	47000	1000	350	100	
t-1,2-Dichloroethene	ND	100	40	100		Diisopropyl Ether (DIPE)	ND	200	31	100	
1,2-Dichloropropane	ND	100	38	100		Ethyl-t-Butyl Ether (ETBE)	ND	200	27	100	
1,3-Dichloropropane	ND	100	38	100		Tert-Amyl-Methyl Ether (TAME)	ND	200	28	100	
2,2-Dichloropropane	ND	100	46	100		Ethanol	ND	10000	4300	100	
1,1-Dichloropropene	ND	100	26	100							
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Limits		Qual		
Dibromofluoromethane	101	82-130			1,2-Dichloroethane-d4	102	75-141				
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	99	70-118				

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



Analytical Report



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Kinder Morgan GX-190

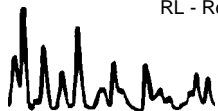
Page 2 of 2

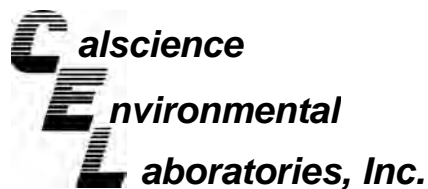
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-10-006-28,641	N/A	Aqueous	GC/MS FF	02/28/09	02/28/09 13:05	090228L01

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	9.1	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	43	1	
1,1-Dichloropropene	ND	1.0	0.26	1							
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	I Limits		Qual		
Dibromofluoromethane	101	82-130			1,2-Dichloroethane-d4	100	75-141				
Toluene-d8	97	83-113			1,4-Bromofluorobenzene	99	70-118				

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





Quality Control - Spike/Spike Duplicate



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

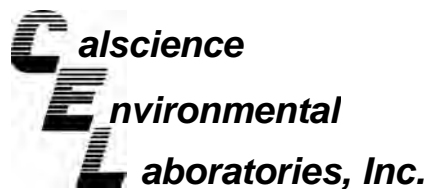
Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project Kinder Morgan GX-190

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-2181-1	Aqueous	GC 29	02/26/09	02/26/09	090226S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	95	103	68-122	8	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

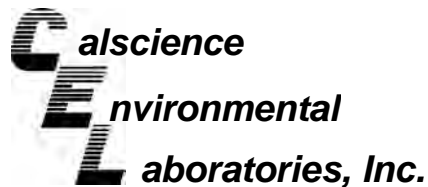
Date Received: 02/24/09
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8260B

Project Kinder Morgan GX-190

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-2155-2	Aqueous	GC/MS FF	02/28/09	02/28/09	090228S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	101	88-118	8	0-7	4
Carbon Tetrachloride	124	113	67-145	9	0-11	
Chlorobenzene	112	101	88-118	10	0-7	4
1,2-Dibromoethane	116	107	70-130	7	0-30	
1,2-Dichlorobenzene	110	101	86-116	8	0-8	
1,1-Dichloroethene	113	104	70-130	8	0-25	
Ethylbenzene	111	102	70-130	8	0-30	
Toluene	109	100	87-123	9	0-8	4
Trichloroethene	109	100	79-127	9	0-10	
Vinyl Chloride	99	106	69-129	7	0-13	
Methyl-t-Butyl Ether (MTBE)	109	101	71-131	7	0-13	
Tert-Butyl Alcohol (TBA)	130	122	36-168	6	0-45	
Diisopropyl Ether (DIPE)	110	101	81-123	9	0-9	
Ethyl-t-Butyl Ether (ETBE)	110	101	72-126	9	0-12	
Tert-Amyl-Methyl Ether (TAME)	109	100	72-126	8	0-12	
Ethanol	104	100	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

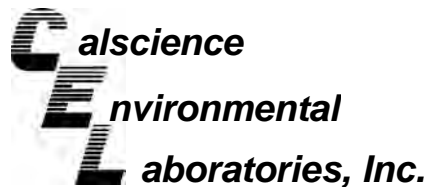
Date Received: N/A
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: Kinder Morgan GX-190

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-2,906	Aqueous	GC 29	02/26/09	02/26/09	090226B01

<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	103	103	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

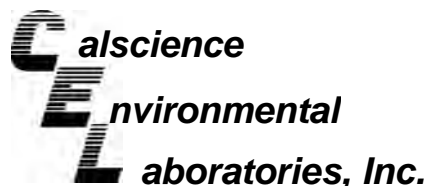
Date Received: N/A
Work Order No: 09-02-2148
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: Kinder Morgan GX-190

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-382-37	Aqueous	GC 46	02/27/09	02/28/09	090227B15

<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 Fuel Product	82	87	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC Geomatrix, Inc.
510 Superior Avenue
Suite 200
Newport Beach, CA 92663-3627

Date Received: N/A
Work Order No: 09-02-2148
Preparation: EPA 5030B
Method: EPA 8260B

Project: Kinder Morgan GX-190

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-10-006-28,641	Aqueous	GC/MS FF	02/28/09	02/28/09	090228L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	100	99	84-120	78-126	1	0-8	
Carbon Tetrachloride	116	114	63-147	49-161	1	0-10	
Chlorobenzene	101	100	89-119	84-124	1	0-7	
1,2-Dibromoethane	103	104	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	99	98	89-119	84-124	1	0-9	
1,1-Dichloroethene	103	102	77-125	69-133	2	0-16	
Ethylbenzene	102	101	80-120	73-127	1	0-20	
Toluene	100	100	83-125	76-132	0	0-9	
Trichloroethene	102	100	89-119	84-124	2	0-8	
Vinyl Chloride	111	110	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	95	97	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	130	124	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	99	99	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	97	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	96	98	76-124	68-132	3	0-10	
Ethanol	117	108	60-138	47-151	8	0-32	

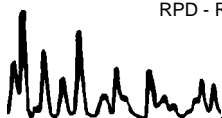
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

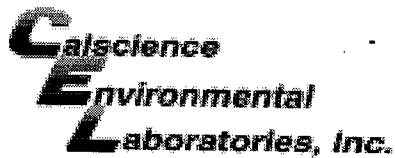
RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-02-2148

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
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 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 with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
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.
N	Nontarget Analyte.
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.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





WORK ORDER #: 09-02-2148

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BLANCK-TECH

DATE: 02/24/09

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

Temperature 1.8 °C - 0.2°C (CF) = 1.6 °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: [Signature]

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: [Signature]

Sample _____ No (Not Intact) Not Present Initial: T.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"/>
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"/>
Correct containers and 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"/>
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 VOAna₂ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

1AGBs 500AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz₂na 100PBsterile 100PBna₂ _____ _____ _____

Air: Tedlar® Summa® _____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ z₂na:ZnAc₂+NaOH

Checked/Labeled by: TN

Reviewed by: HL

Scanned by: TN