Appendix E
Laboratory Analytical Reports and
Chain-of-Custody Documents –
April 2010 Monthly Monitoring Event



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: Shiow-Whei Chou

Phone: (949) 642-0245 Fax: (949) 642-4474

Date Received: 04/17/10

Job: KMEP DFSP Norwalk

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

					Reporting	Date	Date
		Parameter	Concentrat	ion	Limit	Extracted	Analyzed
Client ID:	GMW-0-15						
Lab ID:	GMT10041902-01A	TPH-E (Fuel Product)	62	*	1.0 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 10:02	Surr: Nonane	0	S50	(57-147) %REC	04/19/10 13:35	04/20/10
•		TPH-P (GRO)	6.7		1.0 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	95		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	105		(70-130) %REC	04/22/10	04/22/10
Client ID:	GMW-0-16						
Lab ID:	GMT10041902-02A	TPH-E (Fuel Product)	ND		0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 08:25	Surr: Nonane	82		(57-147) %REC	04/19/10 13:35	04/20/10
		TPH-P (GRO)	ND		0.050 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	107		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	96		(70-130) %REC	04/22/10	04/22/10
	4	Surr: 4-Bromofluorobenzene	103		(70-130) %REC	04/22/10	04/22/10
Client ID:	GMW-0-18				, ,		
Lab ID:	GMT10041902-03A	TPH-E (Fuel Product)	6.6	*	0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 10:55	Surr: Nonane	98		(57-147) %REC	04/19/10 13:35	04/20/10
		TPH-P (GRO)	1.3		0.050 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	106		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	95		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	109		(70-130) %REC	04/22/10	04/22/10
Client ID:	GMW-0-19						
Lab ID:	GMT10041902-04A	TPH-E (Fuel Product)	ND		0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 07:55	Surr: Nonane	70		(57-147) %REC	04/19/10 13:35	04/20/10
<b>-</b>		TPH-P (GRO)	ND		0.050 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	106		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	96		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	104		(70-130) %REC	04/22/10	04/22/10
Client ID:	GMW-36				,		
Lab ID:	GMT10041902-05A	TPH-E (Fuel Product)	25	*	1.0 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 11:30	Surr: Nonane	82		(57-147) %REC	04/19/10 13:35	04/20/10
•		TPH-P (GRO)	4.2		0.50 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	95		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	104		(70-130) %REC	04/22/10	04/22/10
Client ID:	PZ-5						
Lab ID:	GMT10041902-06A	TPH-E (Fuel Product)	1.1		0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 09:05	Surr: Nonane	83		(57-147) %REC	04/19/10 13:35	04/20/10
		TPH-P (GRO)	1.6		0.50 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	101		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	97		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	104		(70-130) %REC	04/22/10	04/22/10

KMEP DFSP Norwalk Page 1 of 2



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				<del></del>			
Client ID:	EB-1						
Lab ID:	GMT10041902-07A	TPH-E (Fuel Product)	ND		0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 07:15	Surr: Nonane	84		(57-147) %REC	04/19/10 13:35	04/20/10
•		TPH-P (GRO)	ND		0.050 mg/L	04/21/10	04/21/10
		Surr: 1,2-Dichloroethane-d4	112		(70-130) %REC	04/21/10	04/21/10
		Surr: Toluene-d8	96		(70-130) %REC	04/21/10	04/21/10
		Surr: 4-Bromofluorobenzene	103		(70-130) %REC	04/21/10	04/21/10
Client ID:	DUP-1						
Lab ID:	GMT10041902-08A	TPH-E (Fuel Product)	7.3	**	0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 00:00	Surr: Nonane	104		(57-147) %REC	04/19/10 13:35	04/20/10
<b>-</b>		TPH-P (GRO)	1.0		0.050 mg/L	04/22/10	04/22/10
		Surr: 1,2-Dichloroethane-d4	103		(70-130) %REC	04/22/10	04/22/10
		Surr: Toluene-d8	94		(70-130) %REC	04/22/10	04/22/10
		Surr: 4-Bromofluorobenzene	110		(70-130) %REC	04/22/10	.04/22/10
Client ID:	TB-1						
Lab ID:	GMT10041902-09A	TPH-E (Fuel Product)	ND		0.10 mg/L	04/19/10 13:35	04/20/10
Date Sampled	04/16/10 07:00	Surr: Nonane	88		(57-147) %REC	04/19/10 13:35	04/20/10
- ···· <b>F</b> · · ·		TPH-P (GRO)	ND		0.050 mg/L	04/21/10	04/21/10
		Surr: 1,2-Dichloroethane-d4	111		(70-130) %REC	04/21/10	04/21/10
		Surr: Toluene-d8	97		(70-130) %REC	04/21/10	04/21/10
		Surr: 4-Bromofluorobenzene	102		(70-130) %REC	04/21/10	04/21/10

<sup>\*\*</sup>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.

ND = Not Detected

Roger Scholl Kandy Saulaur

Walter Strikm

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

Report Date

<sup>\*</sup>Note: Reported TPH-E (Fuel Product) is composed primarily of diesel range hydrocarbons.



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### **ANALYTICAL REPORT**

**AMEC Geomatrix Consultants** 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 KMEP DFSP Norwalk

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

Fax:

Alpha Analytical Number: GMT10041902-01A

Client I.D. Number: GMW-0-15

Sampled: 04/16/10 10:02 Received: 04/17/10 Extracted: 04/22/10 Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	10	μg/L	45	Chlorobenzene	ND	10	μg/L
2	Chloromethane	ND	40	μg/L	46	Ethylbenzene	120	5.0	μg/L
3	Vinyl chloride	ND	10	μg/L	47	m,p-Xylene	140	5.0	μg/L
4	Chloroethane	ND	10	μg/L	48	Bromoform	ND	10	μg/L
5	Bromomethane	ND	40	μg/L	49	Styrene	ND	10	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	36	5.0	μg/L
7	Acetone	ND	200	μg/L	51	1,1,2,2-Tetrachloroethane	ND	10	μg/L
8	1,1-Dichloroethene	ND	10	μg/L	52	1,2,3-Trichloropropane	ND	40	μg/L
9	Tertiary Butyl Alcohol (TBA)	1,800	100	μg/L	53	Isopropylbenzene	ND	10	μg/L
10	Dichloromethane	ND	40	μg/L	54	Bromobenzene	ND	10	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	17	10	μg/L
12	Carbon disulfide	ND	50	μg/L	56	4-Chlorotoluene	ND	10	μg/L
13	trans-1,2-Dichloroethene	ND	10	μg/L	57	2-Chlorotoluene	ND	10	μg/L
14	Methyl tert-butyl ether (MTBE)	1,300	5.0	μg/L	58	1,3,5-Trimethylbenzene	47	10	μg/L
15	1,1-Dichloroethane	ND	10	µg/L	59	tert-Butylbenzene	ND	10	μg/L
16	Vinyl acetate	ND	1,000	µg/L	60	1,2,4-Trimethylbenzene	110	10	μg/L
17	2-Butanone (MEK)	ND	200	μg/L	61	sec-Butylbenzene	ND	10	μg/L
18	Di-isopropyl Ether (DIPE)	ND	10	μg/L	62	1,3-Dichlorobenzene	ND	10	μg/L
19	cis-1,2-Dichloroethene	ND	10	µg/L	63	1.4-Dichlorobenzene	ND	10	μg/L
20	Bromochloromethane	ND	10	μg/L	64	4-Isopropyltoluene	ND	10	μg/L
21	Chloroform	ND	10	μg/L	65	1,2-Dichlorobenzene	ND	10	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	10	μg/L	66	n-Butylbenzene	ND	10	μg/L
23	2,2-Dichloropropane	ND	10	μg/L	67	1.2-Dibromo-3-chloropropane (DBCP)	ND	60	μg/L
24	1,2-Dichloroethane	ND	10	μg/L	68	1.2.4-Trichlorobenzene	ND	40	μg/L
25	1,1,1-Trichloroethane	ND	10	μg/L	69	Naphthalene	43	40	μg/L
26	1,1-Dichloropropene	ND	10	μg/L	70	1.2.3-Trichlorobenzene	ND	40	μg/L
27	Carbon tetrachloride	ND	10	μg/L	71	Surr: 1.2-Dichloroethane-d4	103	(70-130)	%REC
28	Benzene	1,700	5.0	μg/L	72	Surr: Toluene-d8	95	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	11	10	μg/L	73	Surr: 4-Bromofluorobenzene	105	(70-130)	%REC
30	Dibromomethane	ND	10	μg/L					
31	1,2-Dichloropropane	ND	10	μg/L					
32	Trichloroethene	ND	10	μg/L					
33	Bromodichloromethane	ND	10	μg/L					
24	4 Mothed 2 nontenana (MIDIA)	A III	"	- y-					

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

ND

ND

ND

ND

ND

ND

ND

ND

ND = Not Detected

4-Methyl-2-pentanone (MIBK)

cis-1,3-Dichloropropene

1,1,2-Trichloroethane

1,3-Dichloropropane

Tetrachloroethene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

Toluene

2-Hexanone

37

trans-1,3-Dichloropropene

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μg/L

μg/L

10

10 μg/L

10

Report Date



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### **ANALYTICAL REPORT**

AMEC Geomatrix Consultants 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 Job: KMEP DFSP Norwalk Attn: Shiow-Whei Chou Phone: (949) 642-0245

Fax: (949) 642-4474

Alpha Analytical Number: GMT10041902-02A

Client I.D. Number: GMW-0-16

Sampled: 04/16/10 08:25

Received: 04/17/10 Extracted: 04/22/10

Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repoi	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	1.0	µg/L	45	Chlorobenzene	ND	1.0	μg/L
2	Chloromethane	ND	2.0	μg/L	46	Ethylbenzene	ND	0.50	μg/L
3	Vinyl chloride	ND	0.50	μg/L	47	m,p-Xylene	ND	0.50	μg/L
4	Chloroethane	ND	1.0	μg/L	48	Bromoform	ND	1.0	μg/L
5	Bromomethane	ND	2.0	μg/L	49	Styrene	ND	1.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	. 50	o-Xylene	ND	0.50	μg/L
7	Acetone	ND	10	μg/L	51	1,1,2,2-Tetrachloroethane	ND	1.0	μg/L
8	1,1-Dichloroethene	ND	1.0	μg/L	52	1,2,3-Trichloropropane	ND	2.0	μg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	μg/L	53	Isopropylbenzene	ND	1.0	μg/L
10	Dichloromethane	ND	5.0	μg/L	54	Bromobenzene	ND	1.0	μg/L
11	Freon-113	ND .	10	μg/L	55	n-Propylbenzene	ND	1.0	μg/L
12	Carbon disulfide	ND	2.5	μg/L	56	4-Chlorotoluene	ND	1.0	μg/L
13	trans-1,2-Dichloroethene	ND	1.0	μg/L	57	2-Chlorotoluene	ND	1.0	μg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	μg/L	58	1,3,5-Trimethylbenzene	ND	1.0	μg/L
15	1,1-Dichloroethane	ND	1.0	μg/L	59	tert-Butylbenzene	ND	1.0	μg/L
16	Vinyl acetate	ND	50	μg/L	60	1,2,4-Trimethylbenzene	ND	1.0	μg/L
17	2-Butanone (MEK)	ND	10	µg/L	61	sec-Butylbenzene	ND	1.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	μg/L	62	1,3-Dichlorobenzene	ND	1.0	μg/L
19	cis-1,2-Dichloroethene	ND	1.0	µg/L	63	1,4-Dichlorobenzene	ND	1.0	μg/L
20	Bromochloromethane	ND	1.0	μg/L	64	4-Isopropyltoluene	ND	1.0	μg/L
21	Chloroform	ND	1.0	μg/L	65	1,2-Dichlorobenzene	ND	1.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	μg/L	66	n-Butylbenzene	ND	1.0	μg/L
23	2,2-Dichloropropane	ND	1.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	μg/L
24	1,2-Dichloroethane	ND	0.50	μg/L	68	1,2,4-Trichlorobenzene	ND	2.0	μg/L
25	1,1,1-Trichloroethane	ND	1.0	μg/L	69	Naphthalene	ND	10	μg/L
26	1,1-Dichloropropene	ND	1.0	μg/L	70	1,2,3-Trichlorobenzene	ND	2.0	μg/L
27	Carbon tetrachloride	ND	1.0	μg/L	71	Surr: 1,2-Dichloroethane-d4	107	(70-130)	%REC
28	Benzene	ND	0.50	μg/L	72	Surr: Toluene-d8	96	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	μg/L	73	Surr: 4-Bromofluorobenzene	103	(70-130)	%REC
30	Dibromomethane	ND	1.0	μg/L					

μg/L

μg/L

μg/L

μg/L

μg/L

μg/L

1.0 µg/L

1.0 µg/L

10 μg/L

0.50

0.50

1.0

0.50

1.0 µg/L

1.0 µg/L

ND = Not Detected

31 1,2-Dichloropropane

Trichloroethene

Toluene

2-Hexanone

38

39

Bromodichloromethane

cis-1,3-Dichloropropene

1,1,2-Trichloroethane

1,3-Dichloropropane

Tetrachloroethene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

trans-1,3-Dichloropropene

4-Methyl-2-pentanone (MIBK)

Roger Scholl Kandy

ND

Kandy Saulner

Walter Hirihour

4/27/10 Report Date

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Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.



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#### ANALYTICAL REPORT

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

Shiow-Whei Chou (949) 642-0245 Phone:

Fax:

(949) 642-4474

Alpha Analytical Number: GMT10041902-03A

Client I.D. Number: GMW-0-18

Sampled: 04/16/10 10:55 Received: 04/17/10 Extracted: 04/22/10 Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	1.0	µg/L	45	Chlorobenzene	ND	1.0	μg/L
2	Chloromethane	ND	2.0	μg/L	46	Ethylbenzene	3.1	0.50	μg/L
3	Vinyl chloride	ND	0.50	μg/L	47	m,p-Xylene	6.9	0.50	μg/L
4	Chloroethane	ND	1.0	μg/L	48	Bromoform	ND	1.0	μg/L
5	Bromomethane	ND	2.0	μg/L	49	Styrene	ND	1.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	6.0	0.50	μg/L
7	Acetone	ND	10	μg/L	51	1.1.2.2-Tetrachloroethane	ND	1.0	μg/L
8	1,1-Dichloroethene	ND	1.0	μg/L	52	1,2,3-Trichloropropane	ND	2.0	μg/L
9	Tertiary Butyl Alcohol (TBA)	2,400 *	30	μg/L	53	Isopropylbenzene	ND	1.0	μg/L
10	Dichloromethane	ND	5.0	μg/L	54	Bromobenzene	ND	1.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	2.9	1.0	μg/L
12	Carbon disulfide	ND	2.5	μg/L	56	4-Chlorotoluene	ND	1.0	μg/L
13	trans-1,2-Dichloroethene	ND	1.0	μg/L	57	2-Chlorotoluene	ND	1.0	μg/L
14	Methyl tert-butyl ether (MTBE)	1.2	0.50	μg/L	58	1,3,5-Trimethylbenzene	3.9	1.0	μg/L
15	1,1-Dichloroethane	ND	1.0	µg/L	59	tert-Butylbenzene	ND	1.0	μg/L
16	Vinyl acetate	ND	50	µg/L	60	1,2,4-Trimethylbenzene	27	1.0	μg/L
17	2-Butanone (MEK)	ND	10	μg/L	61	sec-Butylbenzene	1.8	1.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	μg/L	62	1.3-Dichlorobenzene	ND	1.0	μg/L
19	cis-1,2-Dichloroethene	ND	1.0	μg/L	63	1,4-Dichlorobenzene	ND	1.0	μg/L
20	Bromochloromethane	ND	1.0	μg/L	64	4-Isopropyltoluene	ND	1.0	μg/L
21	Chloroform	ND	1.0	μg/L	65	1.2-Dichlorobenzene	ND	1.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	μg/L	66	n-Butylbenzene	2.8	1.0	μg/L
23	2,2-Dichloropropane	ND	1.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
24	1,2-Dichloroethane	ND	0.50	μg/L	68	1,2,4-Trichlorobenzene	ND	2.0	μg/L
25	1,1,1-Trichloroethane	ND	1.0	μg/L	69	Naphthalene	ND	10	μg/L
26	1,1-Dichloropropene	ND	1.0	μg/L	70	1.2.3-Trichlorobenzene	ND	2.0	μg/L
27	Carbon tetrachloride	ND	1.0	μg/L	71	Surr: 1.2-Dichloroethane-d4	106	(70-130)	%REC
28	Benzene	0.67	0.50	μg/L	72	Surr: Toluene-d8	95	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	μg/L	73	Surr: 4-Bromofluorobenzene	109	(70-130)	%REC
30	Dibromomethane	ND	1.0	µg/L		,			
31	1,2-Dichloropropane	ND	1.0	µg/L					
32	Trichloroethene	ND	1.0	μg/L					
33	Bromodichloromethane	ND	1.0	µg/L					
34	4-Methyl-2-pentanone (MIBK)	ND	10	μg/L					
35	cis-1,3-Dichloropropene	ND	0.50	μg/L					
36	trans-1,3-Dichloropropene	ND	0.50	μg/L					
37	1,1,2-Trichloroethane	ND	1.0	μg/L					

ND = Not Detected

Toluene

42

2-Hexanone

1,3-Dichloropropane

Tetrachloroethene 1,1,1,2-Tetrachloroethane

Dibromochloromethane

1,2-Dibromoethane (EDB)

ND

ND

ND

ND

ND

Report Date

μg/L

μg/L

μg/L

<sup>\*</sup>This analyte was analyzed separately on 4/22/10 in order to achieve lower reporting limits for the other analytes.



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#### **ANALYTICAL REPORT**

AMEC Geomatrix Consultants 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 Job: KMEP DFSP Norwalk Attn: Shiow-Whei Chou Phone: (949) 642-0245

Fax:

(949) 642-4474

Alpha Analytical Number: GMT10041902-04A

Client I.D. Number: GMW-0-19

Sampled: 04/16/10 07:55 Received: 04/17/10 Extracted: 04/22/10 Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	1.0	μg/L	45	Chlorobenzene	ND	1.0	μg/L
2	Chloromethane	ND	2.0	μg/L	46	Ethylbenzene	ND	0.50	μg/L
3	Vinyl chloride	ND	0.50	μg/L	47	m,p-Xylene	ND	0.50	μg/L
4	Chloroethane	ND	1.0	μg/L	48	Bromoform	ND	1.0	μg/L
5	Bromomethane	ND	2.0	μg/L	49	Styrene	ND	1.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	ND	0.50	μg/L
7	Acetone	ND	10	μg/L	51	1,1,2,2-Tetrachloroethane	ND	1.0	μg/L
8	1,1-Dichloroethene	ND	1.0	μg/L	52	1,2,3-Trichloropropane	ND	2.0	μg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	μg/L	53	Isopropylbenzene	ND	1.0	μg/L
10	Dichloromethane	ND	5.0	μg/L	54	Bromobenzene	ND	1.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	ND	1.0	μg/L
12	Carbon disulfide	ND	2.5	μg/L	56	4-Chiorotoluene	ND	1.0	μg/L
13	trans-1,2-Dichloroethene	ND	1.0	μg/L	57	2-Chlorotoluene	ND	1.0	μg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	μg/L	58	1,3,5-Trimethylbenzene	ND	1.0	μg/L
15	1,1-Dichloroethane	ND	1.0	μg/L	59	tert-Butylbenzene	ND	1.0	μg/L
16	Vinyl acetate	ND .	50	μg/L	60	1,2,4-Trimethylbenzene	ND	1.0	μg/L
17	2-Butanone (MEK)	ND .	10	μg/L	61	sec-Butylbenzene	ND	1.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	μg/L	62	1,3-Dichlorobenzene	ND	1.0	μg/L
19	cis-1,2-Dichloroethene	ND	1.0	μg/L	63	1.4-Dichlorobenzene	ND	1.0	μg/L
20	Bromochloromethane	ND	1.0	μg/L	64	4-Isopropyltoluene	ND	1.0	μg/L
21	Chloroform	ND	1.0	μg/L	65	1.2-Dichlorobenzene	ND	1.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	μg/L	66	n-Butylbenzene	ND	1.0	μg/L
23	2,2-Dichloropropane	ND	1.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	μg/L
24	1,2-Dichloroethane	ND	0.50	μg/L	68	1,2,4-Trichlorobenzene	ND	2.0	μg/L
25	1,1,1-Trichloroethane	ND	1.0	μg/L	69	Naphthalene	ND	10	μg/L
26	1,1-Dichloropropene	ND	1.0	μg/L	70	1.2.3-Trichlorobenzene	ND	2.0	μg/L
27	Carbon tetrachloride	ND	1.0	μg/L	71	Surr: 1,2-Dichloroethane-d4	106	(70-130)	%REC
28	Benzene	ND	0.50	μg/L	72	Surr: Toluene-d8	96	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	μg/L	73	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC
30	Dibromomethane	ND	1.0	μg/L					
31	1,2-Dichloropropane	ND	1.0	μg/L					
32	Trichloroethene	ND	1.0	μg/L					
33	Bromodichloromethane	ND	1.0	μg/L					
34	4-Methyl-2-pentanone (MIBK)	ND	10	μg/L					

ND = Not Detected

cis-1,3-Dichloropropene

1,1,2-Trichloroethane

1,3-Dichloropropane

Tetrachloroethene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

Toluene

2-Hexanone

37

38

39

41

trans-1,3-Dichloropropene

Roger Scholl

ND

ND

ND

ND

ND

ND

ND

ND

Kandy Saulner

Walter Hirihum

Report Date

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

μg/L

μg/L

μg/L

µq/L

µg/L

ua/L

1.0 µg/L

2.0 µg/L

1.0 µg/L

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.



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### ANALYTICAL REPORT

AMEC Geomatrix Consultants 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 KMEP DFSP Norwalk

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

Fax:

(949) 642-4474

Alpha Analytical Number: GMT10041902-05A

Client I.D. Number: GMW-36

Sampled: 04/16/10 11:30 Received: 04/17/10 Extracted: 04/22/10 Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lin	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	5.0	µg/L	45	Chlorobenzene	ND	5.0	μg/L
2	Chloromethane	ND	20	μg/L	46	Ethylbenzene	89	2.5	μg/L
3	Vinyl chloride	ND	5.0	µg/L	47	m,p-Xylene	140	2.5	μg/L
4	Chloroethane	ND	5.0	µg/L	48	Bromoform	ND	5.0	μg/L
5	Bromomethane	: ND	20	µg/L	49	Styrene	ND	5.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xvlene	60	2.5	μg/L
7	Acetone	ND	100	μg/L	51	1.1.2.2-Tetrachloroethane	ND	5.0	μg/L
8	1,1-Dichloroethene	ND	5.0	μg/L	52	1,2,3-Trichloropropane	ND	20	μg/L
9	Tertiary Butyl Alcohol (TBA)	3,700	50	μg/L	53	Isopropylbenzene	ND	5.0	μg/L
10	Dichloromethane	ND	20	μg/L	54	Bromobenzene	ND	5.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	5.5	5.0	μg/L
12	Carbon disulfide	ND	25	μg/L	56	4-Chlorotoluene	ND	5.0	μg/L
13	trans-1,2-Dichloroethene	ND	5.0	μg/L	57	2-Chlorotoluene	ND	5.0	μg/L
14	Methyl tert-butyl ether (MTBE)	11	2.5	μg/L	58	1,3,5-Trimethylbenzene	64	5.0	μg/L
15	1,1-Dichloroethane	ND	5.0	μg/L	59	tert-Butylbenzene	ND	5.0	μg/L
16	Vinyl acetate	ND	500	μg/L	60	1,2,4-Trimethylbenzene	89	5.0	μg/L
17	2-Butanone (MEK)	ND	100	μg/L	61	sec-Butylbenzene	ND	5.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	5.0	μg/L	62	1,3-Dichlorobenzene	ND	5.0	μg/L
19	cis-1,2-Dichloroethene	ND	5.0	μg/L	63	1,4-Dichlorobenzene	ND	5.0	μg/L
20	Bromochloromethane	ND	5.0	μg/L	64	4-Isopropyltoluene	ND	5.0	μg/L
21	Chloroform	ND	5.0	μg/L	65	1,2-Dichlorobenzene	ND	5.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0	μg/L	66	n-Butylbenzene	9.9	5.0	μg/L
23	2,2-Dichloropropane	ND	5.0	µg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	30	μg/L
24	1,2-Dichloroethane	ND	5.0	μg/L	68	1,2,4-Trichlorobenzene	ND	20	μg/L
25	1,1,1-Trichloroethane	ND	5.0	μg/L	69	Naphthalene	35	20	μg/L
26	1,1-Dichloropropene	ND	5.0	μg/L	70	1,2,3-Trichlorobenzene	ND	20	μg/L
27	Carbon tetrachloride	ND	5.0	μg/L	71	Surr: 1,2-Dichloroethane-d4	103	(70-130)	%REC
28	Benzene	850	2.5	μg/L	72	Surr: Toluene-d8	95	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	5.0	μg/L	73	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC
30	Dibromomethane	ND	5.0	μg/L					
31	1,2-Dichloropropane	ND	5.0	μg/L					
		1	1 3.0	r 3 -					

μg/L

μg/L

μg/L

µg/L

μg/L

μg/L

5.0 μg/L

50 μg/L

5.0 μg/L

10 μg/L

5.0

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

ND

ND = Not Detected

Trichloroethene

Bromodichloromethane

cis-1,3-Dichloropropene

1,1,2-Trichloroethane

1,3-Dichloropropane

Tetrachloroethene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

Toluene

2-Hexanone

trans-1,3-Dichloropropene

4-Methyl-2-pentanone (MIBK)

33

35

37

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

**Report Date** 

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.



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#### ANALYTICAL REPORT

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

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

Fax:

(949) 642-4474

Alpha Analytical Number:

GMT10041902-06A

Sampled: 04/16/10 09:05 Received: 04/17/10

Client I.D. Number: PZ-5

Extracted: 04/22/10 Analyzed: 04/22/10

#### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	5.0	μg/L	45	Chlorobenzene	ND	5.0	μg/L
2	Chloromethane	ND	20	μg/L	46	Ethylbenzene	9.7	2.5	μg/L
3	Vinyl chloride	ND	5.0	μg/L	47	m,p-Xylene	ND	2.5	μg/L
4	Chloroethane	ND	5.0	μg/L	48	Bromoform	ND	5.0	μg/L
5	Bromomethane	ND	20	µg/L	49	Styrene	ND	5.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	4.6	2.5	μg/L
7	Acetone	ND	100	μg/L	51	1,1,2,2-Tetrachloroethane	ND:	5.0	µg/L
8	1,1-Dichloroethene	ND	5.0	μg/L	52	1,2,3-Trichloropropane	ND	20	μg/L
9	Tertiary Butyl Alcohol (TBA)	91,000 *	500	μg/L	53	Isopropylbenzene	ND	5.0	μg/L
10	Dichloromethane	ND	20	μg/L	54	Bromobenzene	ND	5.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	ND	5.0	μg/L
12	Carbon disulfide	ND	25	μg/L	56	4-Chlorotoluene	ND	5.0	μg/L
13	trans-1,2-Dichloroethene	ND	5.0	μg/L	57	2-Chlorotoluene	ND	5.0	μg/L
14	Methyl tert-butyl ether (MTBE)	340	2.5	μg/L	58	1,3,5-Trimethylbenzene	ND	5.0	μg/L
15	1,1-Dichloroethane	ND	5.0	μg/L	59	tert-Butylbenzene	ND	5.0	μg/L
16	Vinyl acetate	ND	500	μg/L	60	1,2,4-Trimethylbenzene	ND	5.0	μg/L
17	2-Butanone (MEK)	ND	100	μg/L	61	sec-Butylbenzene	ND	5.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	5.0	µg/L	62	1,3-Dichlorobenzene	ND	5.0	μg/L
19	cis-1,2-Dichloroethene	ND	5.0	μg/L	63	1.4-Dichlorobenzene	ND	5.0	μg/L
20	Bromochloromethane	ND	5.0	µg/L	64	4-Isopropyltoluene	ND	5.0	μg/L
21	Chloroform	ND	5.0	μg/L	65	1,2-Dichlorobenzene	ND	5.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0	µg/L	66	n-Butylbenzene	ND	5.0	μg/L
23	2,2-Dichloropropane	ND	5.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	30	μg/L
24	1.2-Dichloroethane	ND	5.0	μg/L	68	1.2.4-Trichlorobenzene	ND	20	μg/L
25	1.1.1-Trichloroethane	ND	5.0	μg/L	69	Naphthalene	ND	20	μg/L
26	1,1-Dichloropropene	ND	5.0	μg/L	70	1.2.3-Trichlorobenzene	ND	20	μg/L
27	Carbon tetrachloride	ND	5.0	μg/L	71	Surr: 1,2-Dichloroethane-d4	101	(70-130)	%REC
28	Benzene	110	2.5	μg/L	72	Surr: Toluene-d8	97	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	5.0	μg/L	73	Surr: 4-Bromofluorobenzene	104	(70-130)	%REC
30	Dibromomethane	ND	5.0	μg/L	10	Curr. 4 Bromondorobonzono		. ()	
31	1,2-Dichloropropane	ND	5.0	μg/L					
32	Trichloroethene	ND	5.0	μg/L					
33	Bromodichloromethane	ND	5.0	μg/L					
34	4-Methyl-2-pentanone (MIBK)	ND	25	μg/L μg/L					
35	cis-1,3-Dichloropropene	ND	5.0	μg/L μg/L					
36	trans-1,3-Dichloropropene	ND	5.0	μg/L μg/L					
37	1,1,2-Trichloroethane	ND	5.0	μg/L μg/L					
38	Toluene	ND	2.5	μg/L μg/L					
39	1,3-Dichloropropane	ND	5.0	µg/L µg/L					
	.10 = .00p. op 00	, IND	1 5.0	µg/L					

ND = Not Detected

2-Hexanone

Dibromochloromethane

Tetrachioroethene 1,1,1,2-Tetrachloroethane

1,2-Dibromoethane (EDB)

40

Roger Scholl

ND

ND

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

4/27/10

**Report Date** 

10

<sup>\*</sup>This analyte was analyzed separately on 4/22/10 in order to achieve lower reporting limits for the other analytes. Reporting Limits were increased due to sample foaming.



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#### ANALYTICAL REPORT

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

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

Fax:

(949) 642-4474

Client I.D. Number: EB-1

Alpha Analytical Number: GMT10041902-07A

Sampled: 04/16/10 07:15

Received: 04/17/10

Extracted: 04/21/10 Analyzed: 04/21/10

### Volatile Organics by GC/MS EPA Method SW8260B

Dichlorodifluoromethane				Repo	rting				Re	eporting
Chloromethane		Compound	Concentration	Lim	nit		Compound	Concentration		Limit
2 Chloromethane         ND         2.0 μg/L         46 Ethylbenzene         ND         0.50 μg/L           3 Vinyl chloride         ND         0.50 μg/L         47 mpXylene         ND         0.50 μg/L           4 Chloroethane         ND         1.0 μg/L         48 Bromoform         ND         1.0 μg/L           5 Bromomethane         ND         1.0 μg/L         48 Styrene         ND         1.0 μg/L           6 Trichlorofluoromethane         ND         1.0 μg/L         50 c-Xylene         ND         1.0 μg/L           7 Acetone         ND         1.0 μg/L         51 1,1.2.2-Tetrachloroethane         ND         1.0 μg/L           9 Tertiary Butyl Alcohol (TBA)         ND         1.0 μg/L         53 Isopropylbenzene         ND         1.0 μg/L           10 Dichloromethane         ND         1.0 μg/L         54 Isopropylbenzene         ND         1.0 μg/L           12 Garbon disulfide         ND         1.0 μg/L         54 Bromobenzene         ND         1.0 μg/L           13 Irans-1,2-Dichloroethene         ND         1.0 μg/L         56 4-Chlorotoluene         ND         1.0 μg/L           14 Methyl tert-butyl either (MTBE)         ND         0.50 μg/L         58 1,3-5 Trimethylbenzene         ND         1.0 μg/L	1	Dichlorodifluoromethane	ND	1,0	ua/L	45	Chlorobenzene	ND	1.0	μg/L
3 Vinyl chloride   ND   0.50	2	Chloromethane	ND	2.0		46	Ethylbenzene	ND	0.50	μg/L
Chloroethane   ND   1.0   μg/L   48   Bromoform   ND   1.0   μg/L	3	Vinyl chloride	ND	0.50		47	m.p-Xylene	ND	0.50	μg/L
5         Bromomethane         ND         2.0         μg/L         49         Styrene         ND         1.0         μg/L           6         Trichlorofluoromethane         ND         10         μg/L         50         -Xylene         ND         0.550         μg/L           7         Acetone         ND         10         μg/L         51         1,1-Dichloroethane         ND         1.0         μg/L         52         1,2,3-Trichloropropane         ND         2.0         μg/L           8         1,1-Dichloroethene         ND         1.0         μg/L         52         1,2,3-Trichloropropane         ND         1.0         μg/L           10         Dichloromethane         ND         1.0         μg/L         53         Isopropylbenzene         ND         1.0         μg/L           10         Dichloroethane         ND         1.0         μg/L         55         n-Propylbenzene         ND         1.0         μg/L           11         Freon-113         ND         10         μg/L         55         n-Propylbenzene         ND         1.0         μg/L           12         Carbon disulfide         ND         1.0         μg/L         55         n-Propylbenzene	4	Chloroethane	ND	1.0		48	Bromoform	ND	1.0	μg/L
6 Trichlorofluoromethane         ND         10 μg/L         50 o-Xylene         ND         0.50 μg/L           7 Acetone         ND         10 μg/L         50 lug/L         51 1,1-Qi-celtane         ND         1.0 μg/L           8 1,1-Dichloroethene         ND         1.0 μg/L         52 l.2,3-Trichloropropane         ND         2.0 μg/L           9 Tertiary Butyl Alcohol (TBA)         ND         10 μg/L         53 lsopropylbenzene         ND         1.0 μg/L           10 Dichloromethane         ND         50 μg/L         54 Bromobenzene         ND         1.0 μg/L           11 Freon-113         ND         10 μg/L         55 n-Propylbenzene         ND         1.0 μg/L           12 Carbon disulfide         ND         2.5 μg/L         56 d-Chlorotoluene         ND         1.0 μg/L           13 trans-1,2-Dichloroethene         ND         1.0 μg/L         57 2-Chlorotoluene         ND         1.0 μg/L           14 Methyl tert-butyl ether (MTBE)         ND         0.50 μg/L         58 1,3,5-Trimethylbenzene         ND         1.0 μg/L           15 1,1-Dichloroethane         ND         1.0 μg/L         59 tert-Butylbenzene         ND         1.0 μg/L           16 Vinyl acetate         ND         1.0 μg/L         60 1,2,4-Trimethylbenzene         ND	5	Bromomethane	ND	2.0		49	Styrene	ND	1.0	μg/L
7   Acetone   ND   10   μg/L   51   1,1,2,2-Tetrachloroethane   ND   1.0   μg/L	6	Trichlorofluoromethane	ND	10		50	o-Xylene	ND	0.50	μg/L
8         1,1-Dichloroethene         ND         1.0         µg/L         52         1,2,3-Trichloropropane         ND         2.0         µg/L           9         Tertiary Butyl Alcohol (TBA)         ND         10         µg/L         53         Isopropylbenzene         ND         1.0         µg/L           10         Dichloromethane         ND         5.0         µg/L         54         Bromobenzene         ND         1.0         µg/L           11         Freon-113         ND         10         µg/L         55         n-Propylbenzene         ND         1.0         µg/L           12         Carbon disulfide         ND         1.0         µg/L         55         n-Propylbenzene         ND         1.0         µg/L           12         Carbon disulfide         ND         1.0         µg/L         56         4-Chlorotoluene         ND         1.0         µg/L           13         trans-1,2-Dichloroethene         ND         1.0         µg/L         58         1,3,5-Trimethylbenzene         ND         1.0         µg/L           14         Methyl kert-butyl ether (MTBE)         ND         1.0         µg/L         58         1,3,5-Trimethylbenzene         ND         1.0         µg/L<	7	Acetone	ND	10		51	1,1,2,2-Tetrachloroethane	ND	1.0	μg/L
9         Tertiary Butyl Alcohol (TBA)         ND         10         μg/L         53         Isopropylbenzene         ND         1.0         μg/L           10         Dichloromethane         ND         5.0         μg/L         54         Bromobenzene         ND         1.0         μg/L           11         Freno-113         ND         10         μg/L         55         n-Propylbenzene         ND         1.0         μg/L           12         Carbon disulfide         ND         1.0         μg/L         56         4-Chlorotoluene         ND         1.0         μg/L           13         trans-1,2-Dichloroethene         ND         1.0         μg/L         57         2-Chlorotoluene         ND         1.0         μg/L           14         Methyl tert-butyl ether (MTBE)         ND         0.50         μg/L         58         1,3,5-Trimethylbenzene         ND         1.0         μg/L           15         1,1-Dichloroethane         ND         1.0         μg/L         59         tert-Butylbenzene         ND         1.0         μg/L           16         Vinyl acetate         ND         1.0         μg/L         61         ter-Butylbenzene         ND         1.0         μg/L </td <td>8</td> <td>1,1-Dichloroethene</td> <td>ND</td> <td>1.0</td> <td></td> <td>52</td> <td>1,2,3-Trichloropropane</td> <td>ND</td> <td>2.0</td> <td>μg/L</td>	8	1,1-Dichloroethene	ND	1.0		52	1,2,3-Trichloropropane	ND	2.0	μg/L
Dichloromethane	9	Tertiary Butyl Alcohol (TBA)	ND					ND	1.0	μg/L
Freon-113	10	Dichloromethane	ND	5.0		54		ND	1.0	μg/L
12 Carbon disulfide         ND         2.5 μg/L         56 4-Chlorotoluene         ND         1.0 μg/L           13 trans-1,2-Dichloroethene         ND         1.0 μg/L         57 2-Chlorotoluene         ND         1.0 μg/L           14 Methyl tert-butyl ether (MTBE)         ND         0.50 μg/L         58 1,3,5-Trimethylbenzene         ND         1.0 μg/L           15 1,1-Dichloroethane         ND         1.0 μg/L         59 tert-Butylbenzene         ND         1.0 μg/L           16 Vinyl acetate         ND         50 μg/L         60 1,2,4-Trimethylbenzene         ND         1.0 μg/L           17 2-Butanone (MEK)         ND         10 μg/L         61 sec-Butylbenzene         ND         1.0 μg/L           18 Di-isopropyl Ether (DIPE)         ND         1.0 μg/L         62 1,3-Dichlorobenzene         ND         1.0 μg/L           19 cis-1,2-Dichloroethene         ND         1.0 μg/L         63 1,4-Dichlorobenzene         ND         1.0 μg/L           20 Bromochloromethane         ND         1.0 μg/L         63 1,2-Dichlorobenzene         ND         1.0 μg/L           21 Chloroform         ND         1.0 μg/L         65 1,2-Dichlorobenzene         ND         1.0 μg/L           22 Ethyl Tertiary Butyl Ether (ETBE)         ND         1.0 μg/L         66 n-Butylbenzene<	11	Freon-113	ND			55	n-Propylbenzene	ND	1.0	μg/L
13         trans-1,2-Dichloroethene         ND         1.0         μg/L         57         2-Chlorotoluene         ND         1.0         μg/L           14         Methyl tert-butyl ether (MTBE)         ND         0.50         μg/L         58         1,3,5-Trimethylbenzene         ND         1.0         μg/L           15         1,1-Dichloroethane         ND         1.0         μg/L         59         tert-Butylbenzene         ND         1.0         μg/L           16         Vinyl acetate         ND         ND         1.0         μg/L         60         1,2,4-Trimethylbenzene         ND         1.0         μg/L           17         2-Butanone (MEK)         ND         10         μg/L         61         sec-Butylbenzene         ND         1.0         μg/L           18         Di-isopropyl Ether (DIPE)         ND         1.0         μg/L         62         1,3-Dichlorobenzene         ND         1.0         μg/L           19         cis-1,2-Dichloroethane         ND         1.0         μg/L         63         1,4-Dichlorobenzene         ND         1.0         μg/L           20         Bromochloromethane         ND         1.0         μg/L         64         4-Isopropyltoluene         ND	12	Carbon disulfide	ND			56		ND	1.0	μg/L
Methyl tert-butyl ether (MTBE)   ND   0.50   μg/L   58   1,3,5-Trimethylbenzene   ND   1.0   μg/L     1,1-Dichloroethane   ND   1.0   μg/L   59   tert-Butylbenzene   ND   1.0   μg/L     1,2-Butanone (MEK)   ND   10   μg/L   61   sec-Butylbenzene   ND   1.0   μg/L     1,2-Butanone (MEK)   ND   1.0   μg/L   61   sec-Butylbenzene   ND   1.0   μg/L     1,2-Dichloroethane   ND   1.0   μg/L   63   1,4-Dichlorobenzene   ND   1.0   μg/L     1,2-Dichloroethane   ND   1.0   μg/L   63   1,4-Dichlorobenzene   ND   1.0   μg/L     1,2-Dichloropenzene   ND   1.0   μg/L   65   1,2-Dichlorobenzene   ND   1.0   μg/L     1,2-Dichloropenzene   ND   1.0   μg/L   65   1,2-Dichlorobenzene   ND   1.0   μg/L     1,1-Tichloroethane   ND   1.0   μg/L   66   n-Butylbenzene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   67   1,2-Dichlorobenzene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   68   1,2,4-Trichlorobenzene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   68   1,2,4-Trichlorobenzene   ND   2.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   68   1,2,4-Trichlorobenzene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   69   Naphthalene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   69   Naphthalene   ND   1.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   70   1,2,3-Trichlorobenzene   ND   2.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   70   Naphthalene   ND   2.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   70   Naphthalene   ND   2.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   70   Naphthalene   ND   2.0   μg/L     1,1-Dichloropenzene   ND   1.0   μg/L   70   Naphthalene   ND   1.0   μg/L   70   Naphthal	13	trans-1,2-Dichloroethene	ND			57	2-Chlorotoluene	ND	1.0	μg/L
1.1 - Dichloroethane ND 1.0 μg/L 59 tert-Butylbenzene ND 1.0 μg/L	14	Methyl tert-butyl ether (MTBE)	ND					ND	1.0	μg/L
16	15	1,1-Dichloroethane	ND					ND	1.0	μg/L
17   2-Butanone (MEK)   ND   10   μg/L   61   sec-Butylbenzene   ND   1.0   μg/L     18   Di-isopropyl Ether (DIPE)   ND   1.0   μg/L   62   1,3-Dichlorobenzene   ND   1.0   μg/L     19   cis-1,2-Dichloroethene   ND   1.0   μg/L   63   1,4-Dichlorobenzene   ND   1.0   μg/L     10   μg/L   63   1,4-Dichlorobenzene   ND   1.0   μg/L     10   μg/L   64   4-Isopropyltoluene   ND   1.0   μg/L     10   μg/L   65   1,2-Dichlorobenzene   ND   1.0   μg/L     10   μg/L   66   n-Butylbenzene   ND   1.0   μg/L     10   μg/L   67   1,2-Dichloropropane   ND   1.0   μg/L     10   μg/L   67   1,2-Dichloropropane   ND   1.0   μg/L     10   μg/L   68   1,2,4-Trichlorobenzene   ND   2.0   μg/L     10   μg/L   1,1-Trichloroethane   ND   1.0   μg/L     11   μg/L   1.0   μg/L   1.0   μg/L     12   1.1-Dichloropropene   ND   1.0   μg/L     13   1.1-Dichloropropene   ND   1.0   μg/L     14   1.1-Dichloropropene   ND   1.0   μg/L     15   1,1-Trichloropropene   ND   1.0   μg/L     16   1,1-Dichloropene   ND   1.0   μg/L     17   Surr: 1,2-Dichloroethane-d4   112   (70-130)     18   NP   NP   NP   NP   NP     19   NP   NP   NP   NP     10   μg/L   NP   NP   NP     11   μg/L   NP   NP   NP     12   (70-130)   NP   NP     13   NP   NP   NP   NP     14   NP   NP   NP   NP     15   NP   NP   NP   NP     16   NP   NP   NP   NP     17   Surr: 1,2-Dichloroethane-d4   112   (70-130)     10   μg/L   NP   NP     11   NP   NP   NP     12   NP   NP   NP     13   NP   NP   NP   NP     14   NP   NP   NP   NP     15   NP   NP   NP   NP     16   NP   NP   NP   NP     17   NP   NP   NP   NP     18   NP   NP   NP   NP     19   NP   NP   NP   NP     10   NP   NP   NP   NP     11   NP   NP   NP   NP     12   NP   NP   NP   NP     13   NP   NP   NP   NP     14   NP   NP   NP   NP     15   NP   NP   NP   NP     16   NP   NP   NP   NP   NP     17   NP   NP   NP   NP     18   NP   NP   NP   NP     19   NP   NP   NP   NP     10   NP   NP   NP   NP     10   NP   NP   NP   NP     11   NP   NP   NP   NP     12   NP   NP   NP   NP     13   NP   NP   NP   NP   NP	16	Vinyl acetate	ND					ND	1.0	μg/L
Di-isopropyl Ether (DIPE)   ND   1.0   μg/L   62   1,3-Dichlorobenzene   ND   1.0   μg/L     19   cis-1,2-Dichloroethene   ND   1.0   μg/L   63   1,4-Dichlorobenzene   ND   1.0   μg/L     20   Bromochloromethane   ND   1.0   μg/L   64   4-Isopropyltoluene   ND   1.0   μg/L     21   Chloroform   ND   1.0   μg/L   65   1,2-Dichlorobenzene   ND   1.0   μg/L     22   Ethyl Tertiary Butyl Ether (ETBE)   ND   1.0   μg/L   66   n-Butylbenzene   ND   1.0   μg/L     23   2,2-Dichloropropane   ND   1.0   μg/L   67   1,2-Dibromo-3-chloropropane (DBCP)   ND   5.0   μg/L     24   1,2-Dichloroethane   ND   0.50   μg/L   68   1,2,4-Trichlorobenzene   ND   2.0   μg/L     25   1,1-Trichloroptopene   ND   1.0   μg/L   69   Naphthalene   ND   1.0   μg/L     26   1,1-Dichloropropene   ND   1.0   μg/L   70   1,2,3-Trichlorobenzene   ND   2.0   μg/L     27   Carbon tetrachloride   ND   1.0   μg/L   71   Surr: 1,2-Dichloroethane-d4   112   (70-130)   %REC	17	2-Butanone (MEK)	ND	1				ND	1.0	μg/L
19 cis-1,2-Dichloroethene ND 1.0 μg/L 63 1,4-Dichlorobenzene ND 1.0 μg/L 20 Bromochloromethane ND 1.0 μg/L 64 4-Isopropyltoluene ND 1.0 μg/L 21 Chloroform ND 1.0 μg/L 65 1,2-Dichlorobenzene ND 1.0 μg/L 22 Ethyl Tertiary Butyl Ether (ETBE) ND 1.0 μg/L 66 n-Butylbenzene ND 1.0 μg/L 23 2,2-Dichloropropane ND 1.0 μg/L 67 1,2-Dibromo-3-chloropropane (DBCP) ND 1.0 μg/L 24 1,2-Dichloroethane ND 0.50 μg/L 68 1,2,4-Trichlorobenzene ND 2.0 μg/L 25 1,1,1-Trichloroethane ND 1.0 μg/L 69 Naphthalene ND 1.0 μg/L 26 1,1-Dichloropropane ND 1.0 μg/L 70 1,2,3-Trichlorobenzene ND 2.0 μg/L 27 Carbon tetrachloride ND 1.0 μg/L 71 Surr: 1,2-Dichloroethane-d4 112 (70-130) %REC	18	Di-isopropyl Ether (DIPE)	ND					ND	1.0	µg/L
20         Bromochloromethane         ND         1.0         μg/L         64         4-Isopropyltoluene         ND         1.0         μg/L           21         Chloroform         ND         1.0         μg/L         65         1,2-Dichlorobenzene         ND         1.0         μg/L           22         Ethyl Tertiary Butyl Ether (ETBE)         ND         1.0         μg/L         66         n-Butylbenzene         ND         1.0         μg/L           23         2,2-Dichloropropane         ND         1.0         μg/L         67         1,2-Dibromo-3-chloropropane (DBCP)         ND         5.0         μg/L           24         1,2-Dichloroethane         ND         0.50         μg/L         68         1,2.4-Trichlorobenzene         ND         2.0         μg/L           25         1,1,1-Trichloroethane         ND         1.0         μg/L         69         Naphthalene         ND         10         μg/L           26         1,1-Dichloropropene         ND         1.0         μg/L         70         1,2,3-Trichlorobenzene         ND         2.0         μg/L           27         Carbon tetrachloride         ND         1.0         μg/L         71         Surr: 1,2-Dichloroethane-d4         112	19	cis-1,2-Dichloroethene	ND					ND	1.0	μg/L
21         Chloroform         ND         1.0         μg/L         65         1,2-Dichlorobenzene         ND         1.0         μg/L           22         Ethyl Tertiary Butyl Ether (ETBE)         ND         1.0         μg/L         66         n-Butylbenzene         ND         1.0         μg/L           23         2,2-Dichloropropane         ND         1.0         μg/L         67         1,2-Dichloros-3-chloropropane (DBCP)         ND         5.0         μg/L           24         1,2-Dichloroethane         ND         0.50         μg/L         68         1,2,4-Trichlorobenzene         ND         2.0         μg/L           25         1,1,1-Trichloroethane         ND         1.0         μg/L         69         Naphthalene         ND         10         μg/L           26         1,1-Dichloropropene         ND         1.0         μg/L         70         1,2,3-Trichlorobenzene         ND         2.0         μg/L           27         Carbon tetrachloride         ND         1.0         μg/L         71         Surr: 1,2-Dichloroethane-d4         112         (70-130)         %REC	20	Bromochloromethane						ND	1.0	μg/L
22         Ethyl Tertiary Butyl Ether (ETBE)         ND         1.0         μg/L         66         n-Butylbenzene         ND         1.0         μg/L           23         2,2-Dichloropropane         ND         1.0         μg/L         67         1,2-Dibrono-3-chloropropane (DBCP)         ND         5.0         μg/L           24         1,2-Dichloroethane         ND         0.50         μg/L         68         1,2,4-Trichlorobenzene         ND         2.0         μg/L           25         1,1,1-Trichloroethane         ND         1.0         μg/L         69         Naphthalene         ND         10         μg/L           26         1,1-Dichloropropene         ND         1.0         μg/L         70         1,2,3-Trichlorobenzene         ND         2.0         μg/L           27         Carbon tetrachloride         ND         1.0         μg/L         71         Surr: 1,2-Dichloroethane-d4         112         (70-130)         %REC	21	Chloroform	ND					ND	1.0	µg/L
23         2,2-Dichloropropane         ND         1.0         μg/L         67         1,2-Dibromo-3-chloropropane (DBCP)         ND         5.0         μg/L           24         1,2-Dichloroethane         ND         0.50         μg/L         68         1,2,4-Trichlorobenzene         ND         2.0         μg/L           25         1,1,1-Trichloroethane         ND         1.0         μg/L         69         Naphthalene         ND         10         μg/L           26         1,1-Dichloropropene         ND         1.0         μg/L         70         1,2,3-Trichlorobenzene         ND         2.0         μg/L           27         Carbon tetrachloride         ND         1.0         μg/L         71         Surr: 1,2-Dichloroethane-d4         112         (70-130)         %REC	22	Ethyl Tertiary Butyl Ether (ETBE)	ND				· ·	ND	1.0	µg/L
24       1,2-Dichloroethane       ND       0.50 μg/L       68 1,2,4-Trichlorobenzene       ND       2.0 μg/L         25       1,1,1-Trichloroethane       ND       1.0 μg/L       69 Naphthalene       ND       10 μg/L         26       1,1-Dichloropropene       ND       1.0 μg/L       70 1,2,3-Trichlorobenzene       ND       2.0 μg/L         27       Carbon tetrachloride       ND       1.0 μg/L       71 Surr: 1,2-Dichloroethane-d4       112       (70-130) %REC	23	2,2-Dichloropropane	ND					ND	5.0	μg/L
25         1,1,1-Trichloroethane         ND         1.0         μg/L         69         Naphthalene         ND         10         μg/L           26         1,1-Dichloropropene         ND         1.0         μg/L         70         1,2,3-Trichlorobenzene         ND         2.0         μg/L           27         Carbon tetrachloride         ND         1.0         μg/L         71         Surr: 1,2-Dichloroethane-d4         112         (70-130)         %REC	24	1,2-Dichloroethane						ND	2.0	μg/L
26 1,1-Dichloropropene ND 1.0 μg/L 70 1,2,3-Trichlorobenzene ND 2.0 μg/L 27 Carbon tetrachloride ND 1.0 μg/L 71 Surr: 1,2-Dichloroethane-d4 112 (70-130) %REC	25	1,1,1-Trichloroethane	ND	1			The state of the s	ND	10	μg/L
27 Carbon tetrachloride ND 1.0 μg/L 71 Surr: 1,2-Dichloroethane-d4 112 (70-130) %REC	26	1,1-Dichloropropene						ND	2.0	
	27	Carbon tetrachloride					· · · · ·		(70-130)	
	28	Benzene								%REC
29 Tertiary Amyl Methyl Ether (TAME) ND 1.0 µg/L 73 Surr: 4-Bromofluorobenzene 103 (70-130) %REC	29	Tertiary Amyl Methyl Ether (TAME)							(70-130)	%REC
30 Dibromomethane ND 1.0 µg/L	30					,,,	Carr. 1 Bromonaciosci. Ecito		1 ()	
31 1,2-Dichloropropane ND 1.0 µg/L	31									
32 Trichloroethene ND 1.0 µg/L	32									
33 Bromodichloromethane ND 1.0 µg/L	33	Bromodichloromethane			. •					
34 4-Methyl-2-pentanone (MIBK) ND 10 µg/L	34	4-Methyl-2-pentanone (MIBK)								
35 cis-1,3-Dichloropropene ND 0.50 µg/L			!	-						
36 trans-1,3-Dichloropropene ND 0.50 μg/L										
37 1,1,2-Trichloroethane ND 1.0 μg/L				1						
38 Toluene ND 0.50 μg/L		, ,								
39 1,3-Dichloropropane ND 1.0 μg/L										
40 2-Hexanone ND 5.0 µg/L				!						

ND = Not Detected

Dibromochloromethane

Tetrachloroethene

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

ND

1.0 μg/L

2.0 µq/L

1.0

Report Date

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com



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#### ANALYTICAL REPORT

**AMEC Geomatrix Consultants** 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 KMEP DFSP Norwalk

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

Alpha Analytical Number: GMT10041902-08A

Client I.D. Number: DUP-1

Sampled: 04/16/10 00:00 Received: 04/17/10 Extracted: 04/22/10

Analyzed: 04/22/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	1.0	μg/L	45	Chlorobenzene	ND	1.0	μg/L
2	Chloromethane	ND	2.0	μg/L	46	Ethylbenzene	2.7	0.50	μg/L
3	Vinyl chloride	ND	0.50	μg/L	47	m,p-Xylene	6.0	0.50	μg/L
4	Chloroethane	ND	1.0	μg/L	48	Bromoform	ND	1.0	μg/L
5	Bromomethane	ND	2.0	μg/L	49	Styrene	ND	1.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	5.2	0.50	μg/L
7	Acetone	ND	10	μg/L	51	1,1,2,2-Tetrachloroethane	ND	1.0	μg/L
8	1,1-Dichloroethene	ND	1.0	μg/L	52	1,2,3-Trichloropropane	ND	2.0	μg/L
9	Tertiary Butyl Alcohol (TBA)	2,400 *	30	μg/L	53	Isopropylbenzene	ND	1.0	μg/L
10	Dichloromethane	ND	5.0	μg/L	54	Bromobenzene	ND	1.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	2.5	1.0	μg/L
12	Carbon disulfide	ND	2.5	μg/L	56	4-Chlorotoluene	ND	1.0	μg/L
13	trans-1,2-Dichloroethene	ND	1.0	μg/L	57	2-Chlorotoluene	ND	1.0	μg/L
14	Methyl tert-butyl ether (MTBE)	1.1	0.50	μg/L	58	1,3,5-Trimethylbenzene	3.1	1.0	μg/L
15	1,1-Dichloroethane	ND	1.0	μg/L	59	tert-Butylbenzene	ND	1.0	μg/L
16	Vinyl acetate	ND	50	μg/L	60	1,2,4-Trimethylbenzene	23	1.0	μg/L
17	2-Butanone (MEK)	ND	10	μg/L	61	sec-Butylbenzene	1.5	1.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	μg/L	62	1,3-Dichlorobenzene	ND	1.0	μg/L
19	cis-1,2-Dichloroethene	ND	1.0	μg/L	63	1,4-Dichlorobenzene	ND	1.0	μg/L
20	Bromochloromethane	ND	1.0	μg/L	64	4-Isopropyltoluene	ND	1.0	μg/L
21	Chloroform	ND	1.0	μg/L	65	1,2-Dichlorobenzene	ND	1.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	μg/L	66	n-Butylbenzene	2.3	1.0	μg/L
23	2,2-Dichloropropane	ND	1.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	μg/L
24	1,2-Dichloroethane	ND	0.50	μg/L	68	1,2,4-Trichlorobenzene	ND	2.0	μg/L
25	1,1,1-Trichloroethane	ND	1.0	μg/L	69	Naphthalene	ND	10	μg/L
26	1,1-Dichloropropene	ND	1.0	μg/L	70	1,2,3-Trichlorobenzene	ND	2.0	μg/L
27	Carbon tetrachloride	ND	1.0	μg/L	71	Surr: 1,2-Dichloroethane-d4	103	(70-130)	%REC
28	Benzene	0.57	0.50	μg/L	72	Surr: Toluene-d8	94	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	μg/L	73	Surr: 4-Bromofluorobenzene	110	(70-130)	%REC
30	Dibromomethane	ND	1.0	μg/L	, 0	Carr. 7 Distriction of Obstraction		, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
31	1,2-Dichloropropane	ND	1.0	μg/L					
32	Trichloroethene	ND	1.0	μg/L					
33	Bromodichloromethane	ND	1.0	μg/L					
34	4-Methyl-2-pentanone (MIBK)	ND	10	μg/L					
35	cis-1,3-Dichloropropene	ND	0.50	μg/L					
36	trans-1,3-Dichloropropene	ND	0.50	μg/L					
37	1,1,2-Trichloroethane	ND	1.0	μg/L					
20	Taliana		1.0	Py/L					

ND = Not Detected

Toluene

2-Hexanone

1,3-Dichloropropane

Dibromochloromethane

Tetrachloroethene

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachloroethane

ND

ND

ND

ND

ND

ND

Report Date

1.0

<sup>\*</sup>This analyte was analyzed separately on 4/22/10 in order to achieve lower reporting limits for the other analytes.



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### ANALYTICAL REPORT

**AMEC Geomatrix Consultants** 510 Superior Avenue, Suite 200 Newport Beach, CA 926633627 KMEP DFSP Norwalk

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

Alpha Analytical Number: GMT10041902-09A

Client I.D. Number: TB-1

Sampled: 04/16/10 07:00 Received: 04/17/10 Extracted: 04/21/10

Analyzed: 04/21/10

### Volatile Organics by GC/MS EPA Method SW8260B

			Repo	rting				Re	eporting
	Compound	Concentration	Lim	nit		Compound	Concentration		Limit
1	Dichlorodifluoromethane	ND	1.0	μg/L	45	Chlorobenzene	ND	1.0	μg/L
2	Chloromethane	ND	2.0	μg/L	46	Ethylbenzene	ND	0.50	μg/L
3	Vinyl chloride	ND	0.50	μg/L	47	m,p-Xylene	ND	0.50	μg/L
4	Chloroethane	ND	1.0	μg/L	48	Bromoform	ND	1.0	μg/L
5	Bromomethane	ND	2.0	μg/L	49	Styrene	ND	1.0	μg/L
6	Trichlorofluoromethane	ND	10	μg/L	50	o-Xylene	ND	0.50	μg/L
7	Acetone	ND	10	μg/L	51	1,1,2,2-Tetrachloroethane	ND	1.0	μg/L
8	1,1-Dichloroethene	ND	1.0	μg/L	52	1,2,3-Trichloropropane	ND	2.0	μg/L
9	Tertiary Butyl Alcohol (TBA)	ND	10	μg/L	53	Isopropylbenzene	ND	1.0	µg/L
10	Dichloromethane	ND	5.0	μg/L	54	Bromobenzene	ND	1.0	μg/L
11	Freon-113	ND	10	μg/L	55	n-Propylbenzene	ND	1.0	μg/L
12	Carbon disulfide	ND	2.5	μg/L	56	4-Chlorotoluene	ND	1.0	μg/L
13	trans-1,2-Dichloroethene	ND	1.0	μg/L	57	2-Chlorotoluene	ND	1.0	μg/L
14	Methyl tert-butyl ether (MTBE)	ND	0.50	µg/L	58	1,3,5-Trimethylbenzene	ND	1.0	μg/L
15	1,1-Dichloroethane	ND	1.0	μg/L	59	tert-Butylbenzene	ND	1.0	μg/L
16	Vinyl acetate	ND	50	µg/L	60	1,2,4-Trimethylbenzene	ND	1.0	μg/L
17	2-Butanone (MEK)	ND	10	μg/L	61	sec-Butylbenzene	ND	1.0	μg/L
18	Di-isopropyl Ether (DIPE)	ND	1.0	μg/L	62	1.3-Dichlorobenzene	ND	1.0	μg/L
19	cis-1,2-Dichloroethene	ND	1.0	μg/L	63	1.4-Dichlorobenzene	ND	1.0	µg/L
20	Bromochloromethane	ND	1.0	μg/L	64	4-isopropyltoluene	ND	1.0	μg/L
21	Chloroform	ND	1.0	μg/L	65	1,2-Dichlorobenzene	ND	1.0	μg/L
22	Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0	μg/L	66	n-Butylbenzene	ND	1.0	μg/L
23	2,2-Dichloropropane	ND	1.0	μg/L	67	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L
24	1,2-Dichloroethane	ND	0.50	μg/L	68	1.2.4-Trichlorobenzene	ND	2.0	μg/L
25	1,1,1-Trichloroethane	ND	1.0	μg/L	69	Naphthalene	ND	10	μg/L
26	1,1-Dichloropropene	ND	1.0	μg/L	70	1,2,3-Trichlorobenzene	ND	2.0	μg/L
27	Carbon tetrachloride	ND	1.0	μg/L	71	Surr: 1.2-Dichloroethane-d4	111	(70-130)	%REC
28	Benzene	ND	0.50	μg/L	72	Surr: Toluene-d8	97	(70-130)	%REC
29	Tertiary Amyl Methyl Ether (TAME)	ND	1.0	μg/L	73	Surr: 4-Bromofluorobenzene	102	(70-130)	%REC
30	Dibromomethane	ND	1.0	μg/L					
31	1,2-Dichloropropane	ND	1.0	μg/L					
32	Trichloroethene	ND	1.0	μg/L					
33	Bromodichloromethane	ND	1.0	μg/L					
34	4-Methyl-2-pentanone (MIBK)	ND	10	μg/L					
35	cis-1,3-Dichloropropene	ND	0.50	μg/L					
36	trans-1,3-Dichloropropene	ND	0.50	μg/L					
37	1,1,2-Trichloroethane	ND	1.0	μg/L					
20	Taliana	1 11		₩ 3r <del>-</del>					

ND = Not Detected

Toluene

2-Hexanone

1,3-Dichloropropane

Tetrachloroethene

Dibromochloromethane

1,2-Dibromoethane (EDB)

1,1,1,2-Tetrachioroethane

Roger Scholl

ND

ND

ND

ND

ND

ND

0.50

1.0 5.0 1.0

2.0

**Report Date** 

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com



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## **VOC Sample Preservation Report**

Work Order:	GMT10041902	Job:	KMEP DFSP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	рН	
10041902-01A	GMW-0-15	Aqueous	2	
10041902-02A	GMW-0-16	Aqueous	2	
10041902-03A	GMW-0-18	Aqueous	2	
10041902-04A	GMW-0-19	Aqueous	2	
10041902-05A	GMW-36	Aqueous	2	
10041902-06A	PZ-5	Aqueous	2	
10041902-07A	EB-1	Aqueous	2	
10041902-08A	DUP-1	Aqueous	2	
10041902-09A	TB-1	Aqueous	2	

4/27/10



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<b>Date:</b> 26-Apr-2010		QC	Summar	y Report			<b>Work Order</b> 10041902	r:
Method Blank File ID: 2A04161037.	D	Турє		est Code: EPA atch ID: 23979			e: 04/19/2010 17:24	
Sample ID: MBL	<b>(-23979</b> Un	its : <b>mg/L</b>		D_2_100419A		Prep Date:	04/19/2010 13:35	
Analyte	F	Result PQ	L SpkVal	SpkRefVal %	REC LCL(N	ME) UCL(ME) RPDRe	efVal %RPD(Limit)	Qual
TPH-E (Fuel Product) Surr: Nonane	• •	D 0.133	0.1 0.15		89 57	147		
Laboratory Contr	ol Spike	Туре	e LCS T	est Code: EPA	A Method S\	W8015B / E		
File ID: <b>2A04161038.</b> I	•		В	atch ID: <b>2397</b> 9	)	Analysis Date	e: 04/19/2010 17:49	
Sample ID: LCS-2	<b>23979</b> Un	its : mg/L	Run ID: FI	D_2_100419A	١	Prep Date:	04/19/2010 13:35	
Analyte	F	Result PQ	L SpkVal	SpkRefVal %	REC LCL(N	ME) UCL(ME) RPDRe	efVal %RPD(Limit)	Qual
TPH-E (DRO) Surr: Nonane		2.52 0 0.128	0.05 2.5 0.15		101 67 85 57			
Sample Matrix Sp	ike	Туре	e MS T	est Code: EP	A Method S\	W8015B / E		<del></del>
File ID: 2A04161040.		,,		atch ID: 23979	)	Analysis Date	e: 04/19/2010 18:39	
Sample ID: 10041	<b>1922-01AMS</b> Un	its : mg/L	Run ID: FI	D_2_100419A	١	Prep Date:	04/19/2010 13:35	
Analyte	F	Result PQ	L SpkVal	SpkRefVal %	REC LCL(N	ME) UCL(ME) RPDRe	efVal %RPD(Limit)	Qual
TPH-E (DRO) Surr: Nonane		2.96 0 0.144	0.05 2.5 0.15	0.151	112 49 96 57			
Sample Matrix Sp	ike Duplicate	Туре	e MSD T	est Code: EP/	A Method S	W8015B / E		
File ID: 2A04161041.		-	В	atch ID: 23979	)	Analysis Date	e: 04/19/2010 19:04	
Sample ID: 10041	<b>1922-01AMSD</b> Un	its : mg/L	Run ID: FI	D_2_100419A	4	Prep Date:	04/19/2010 13:35	
Analyte	F	Result PQ	L SpkVal	SpkRefVal %	6REC LCL(	ME) UCL(ME) RPDRe	efVal %RPD(Limit)	Qual
TPH-E (DRO) Surr: Nonane		2.49 0 0.134	0.05 2.5 0.15	0.151	93 49 89 57	150 2.9		

#### **Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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<b>Date:</b> 26-Apr-2010	Ç	C Su	ımmar	y Report	-			Work Orde 10041902	r:
Method Blank		Туре М	BLK Te	est Code: EP	A Meth	od SW80	15		
File ID: C:\HPCHEM\MS07\DATA\100421\1004	2108.D		Ва	atch ID: MS0	7W042	1B	Analysis Date:	04/21/2010 18:43	
Sample ID: MBLK MS07W0421B	Units : mg/L		Run ID: MS	SD_07_1004	21A		Prep Date:	04/21/2010 18:43	
Analyte	Result	PQL	SpkVal	SpkRefVal <sup>4</sup>	%REC	LCL(ME)	UCL(ME) RPDRef\	/al %RPD(Limit)	Qual
TPH-P (GRO)	ND	0.05							
Surr: 1,2-Dichloroethane-d4	0.0111		0.01		111	70	130		
	0.00954		0.01		95	70	130		
Surr: 4-Bromofluorobenzene	0.0102		0.01		102	70	130		
Laboratory Control Spike		Type Lo		est Code: EP					
File ID: C:\HPCHEM\MS07\DATA\100421\1004	12105.D		Ba	atch ID: MS0	7W042	1B	•	04/21/2010 17:34	
	Units : mg/L			SD_07_1004			Prep Date:	04/21/2010 17:34	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME) RPDRef\	/al %RPD(Limit)	Qual
TPH-P (GRO)	0.417	0.05			104	70	130		
Surr: 1,2-Dichloroethane-d4	0.0111		0.01		111	70	130		
Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	0.00922		0.01		92	70	130		
Sur. 4-bromonuoropenzerie	0.0102		0.01		102	70	130		
Sample Matrix Spike		Type M		est Code: EP					
File ID: C:\HPCHEM\MS07\DATA\100421\1004	I2111.D		Ва	atch ID: MS0	7W042	1B	•	04/21/2010 19:52	
	Units : mg/L			SD_07_1004			Prep Date:	04/21/2010 19:52	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME) RPDRef	Val %RPD(Limit)	Qual
TPH-P (GRO)	2.08	0.25		0	104	58	135		
Surr: 1,2-Dichloroethane-d4	0.055		0.05		110	70	130		
Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	0.0461		0.05		92	70 70	130		
Sun: 4-biomonuolopenzene	0.0504		0.05		101	70	130		
Sample Matrix Spike Duplicate		Type M		est Code: EP					
File ID: C:\HPCHEM\MS07\DATA\100421\1004	12112.D		Ba	atch ID: MS0	7W042	1B	•	04/21/2010 20:14	
	Units : mg/L			SD_07_1004			Prep Date:	04/21/2010 20:14	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME) RPDRef	/al %RPD(Limit)	Qual
TPH-P (GRO)	1.99	0.25		0	99	58	135 2.084	4.7(20)	
Surr: 1,2-Dichloroethane-d4	0.0551		0.05		110	70	130		
Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	0.0462		0.05		92	70 70	130		
Sun. 4-Dromonuoropenzene	0.0505		0.05		101	70	130		

#### **Comments:**

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



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<b>Date:</b> 26-Apr-2010		(		<b>Work Order:</b> 10041902								
Method Blan			Type N	BLK	Test Code: EPA Method SW8260E							
File ID: C:\HP	CHEM\MS07\DATA\100421\1	0042108.D			Batch ID: MS07W0421A	Analysis Date:	04/21/2010 18:43					
Sample ID:	MBLK MS07W0421A	Units : µg/L			D: MSD_07_100421A	Prep Date:	04/21/2010 18:43					
Analyte		Result	PQL	Spk	Val SpkRefVal %REC LCL(ME) UC	L(ME) RPDRef	Val %RPD(Limit)	Qual				
Dichlorodifluor		ND	•									
Chloromethane	Э	ND	2									
Vinyl chloride Chloroethane		ND	0.5									
Bromomethane		ND ND	2									
Trichlorofluoro	-	ND	10									
Acetone		ND	10									
1,1-Dichloroeth		ND										
Tertiary Butyl		ND	10									
Dichlorometha Freon-113	ne	ND ND										
Carbon disulfic	le.	ND ND	10 2.5									
trans-1,2-Dichl		ND	2									
Methyl tert-but	yl ether (MTBE)	ND	0.5									
1,1-Dichloroeth	nane	ND	•									
Vinyl acetate	IEK)	ND	50									
2-Butanone (M Di-isopropyl Et		ND ND	10									
cis-1,2-Dichlor		ND		! 								
Bromochlorom		ND										
Chloroform		ND	•									
	Butyl Ether (ETBE)	ND	•	l								
2,2-Dichloropro		ND		•								
1,1,1-Trichloro		ND ND	0.5									
1,1-Dichloropre		ND										
Carbon tetrach	loride	ND		1								
Benzene		ND	0.									
Dibromometha	Methyl Ether (TAME)	ND										
1,2-Dichloropre		ND ND		] 								
Trichloroethen	•	ND										
Bromodichloro		ND										
	ntanone (MIBK)	ND	10									
cis-1,3-Dichlor		ND	0.									
trans-1,3-Dichl		ND ND	0.5									
Toluene	Ctriane	ND ND	0.9									
1,3-Dichloropro	opane	ND	0.,	ĺ								
2-Hexanone		ND										
Dibromochloro		ND										
1,2-Dibromoeth		ND ND	:									
1,1,1,2-Tetracl		ND										
Chlorobenzene		ND										
Ethylbenzene		ND	0.9									
m,p-Xylene		ND	0.5									
Bromoform Styrene		ND ND										
o-Xylene		ND ND	0.5									
1,1,2,2-Tetracl		ND	0.0									
1,2,3-Trichloro	•	ND	2	2								
Isopropylbenze		ND	•	1								
n-Propylbenze		ND ND		l I								
4-Chlorotoluen		ND		! 								
2-Chlorotoluen	е	ND										
1,3,5-Trimethy		ND	•									
tert-Butylbenze		ND	•	ļ								
1,2,4-Trimethy sec-Butylbenze		ND ND		l I								
1,3-Dichlorobe		ND ND		l I								
1,4-Dichlorobe		ND										
4-Isopropyltolu		ND	•									
1,2-Dichlorobe	nzene	ND										



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Date: 26-Apr-2010	(	QC Sum	mary	Report					<b>Work Orde</b> 10041902	
n-Butylbenzene 1,2-Dibromo-3-chloropropane (DBCP) 1,2,4-Trichlorobenzene Naphthalene	ND ND ND ND	1 5 2 10								-
1,2,3-Trichlorobenzene Surr: 1,2-Dichloroethane-d4	ND 11.1	2	10		111	70	130			
Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	9.54 10.2		10 10		95 102	70 70	130 130			
Laboratory Control Spike		Type LCS		t Code: EP/				Data: 04	104/0040 47-44	
File ID: C:\HPCHEM\MS07\DATA\100421\ Sample ID: LCS MS07W0421A	10042104.D Units : µg/L	Dun		ch ID: MS07 D_07_10042		:1A	Analys Prep D		W21/2010 17:11 W21/2010 17:11	
Analyte	Result					LCL(ME)	•		%RPD(Limit)	Qual
1.1-Dichloroethene	9.89	1	10	pin to to.	99	80	120			
Methyl tert-butyl ether (MTBE)	11	0.5	10		110	62	136	*		
Benzene	10.6	0.5	10		106	70	130			
Trichloroethene	10.2	1	10		102	70	130			
Toluene Chlorobenzene	9.87 9.37	0.5 1	10 10		99 94	80 70	120 130			
Ethylbenzene	10	0.5	10		100	80	120			
m,p-Xylene	9.85	0.5	10		99	70	130			
o-Xylene	10.2	0.5	10		102	70	130			
Surr: 1,2-Dichloroethane-d4	11.2		10		112	70	130			
Surr: Toluene-d8	9.43		10		94	70	130			
Surr: 4-Bromofluorobenzene	9.75		10		98	70	130			
Sample Matrix Spike		Type MS	Tes	t Code: EP	A Meti	hod SW82	60B			
File ID: C:\HPCHEM\MS07\DATA\100421\	10042109.D		Bate	ch ID: MS07	W042	21A	Analys	sis Date: 04	1/21/2010 19:06	
Sample ID: 10041902-02AMS	Units : µg/L	Rur	ı ID: MSI	0_07_10042	21A		Prep D	Date: 04	1/21/2010 19:06	
Analyte	Result	PQL S	SpkVal S	SpkRefVal %	6REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.5	2.5	50	0	103	60	130			
Methyl tert-butyl ether (MTBE)	53.7	1.3	50	0	107	56	141			
Benzene	52.5	1.3	50	0	105	67	130			
Trichloroethene Toluene	49.2	2.5	50	0	98	69	130			
Chlorobenzene	48 45.7	1.3 2.5	50 50	0	96 91	66 70	130 130			
Ethylbenzene	49.3	1.3	50 50	0	99	68	130			
m,p-Xylene	48.1	1.3	50	0	96	64	130			
o-Xylene	49.9	1.3	50	-	99.9	70	130			
Surr: 1,2-Dichloroethane-d4	55.5		50		111	70	130			
Surr: Toluene-d8	46.8		50		94	70	130			
Surr: 4-Bromofluorobenzene	49.2		50		98	70	130			
Sample Matrix Spike Duplicate		Type MSD	Tes	t Code: EP	A Met	hod SW82				
File ID: C:\HPCHEM\MS07\DATA\100421\	10042110.D		Bate	ch ID: MS07	W042	21A			1/21/2010 19:29	
Sample ID: 10041902-02AMSD	Units : µg/L			0_07_10042			Prep D		1/21/2010 19:29	
Analyte	Result	PQL S	SpkVal S	pkRefVal %	6REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	52	2.5	50	0	104	60	130	51.54	0.9(20)	
Methyl tert-butyl ether (MTBE)	55.2	1.3	50		110	56	141	53.68	2.7(20)	
Benzene Trichloroethene	52.6	1.3	50	0	105	67	130	52.53	0.1(20)	
Toluene	49.3 48.7	2.5 1.3	50 50	0	99 97	69 66	130 130	49.22 47.96	0.1(20) 1.6(20)	
Chlorobenzene	46.7 46.2	2.5	50 50	0	97 92	70	130	47.96 45.7	1.1(20)	
Ethylbenzene	49.9	1.3	50 50		99.7	68	130	49.3	1.1(20)	
m,p-Xylene	48.7	1.3	50	Ŏ	97	64	130	48.06	1.3(20)	
o-Xylene	50.3	1.3	50		101	70	130	49.94	0.7(20)	
Surr: 1,2-Dichloroethane-d4	55.5		50		111	70	130		, ,	
Surr: Toluene-d8	46.8		50		94	70	130			
Surr: 4-Bromofluorobenzene	49.2		50		98	70	130			



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**Date:** 26-Apr-2010

QC Summary Report

Work Order: 10041902

#### **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

### Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

Page: 1 of 2

WorkOrder: GMTC10041902

Report Due By: 5:00 PM On: 28-Apr-2010

Client:

**AMEC Geomatrix Consultants** 510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

Report Attention **Phone Number EMail Address** Shiow-Whei Chou (949) 642-0245 xshiow-whei.chou@amec.com Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required: Yes

Sampled by: Chris Davis

Cooler Temp 4°C

Samples Received 17-Apr-2010

**Date Printed** 19-Apr-2010

PO:

Client's COC #: none

Job: KMEP DFSP Norwalk

Final Bat MBLK LCC MC/MCD With Surrogator

									Re	quested Tests		
Alpha	Client		Collection	No. of	Bottles	•	TPH/E_W	TPH/P_W	voc_w			
Sample ID	Sample ID	Matrix	Date	Alpha	Sub	TAT						Sample Remarks
GMT10041902-01A	GMW-0-15	AQ	04/16/10 10:02	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-02A	GMW-0-16	AQ	04/16/10 08:25	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-03A	GMW-0-18	AQ	04/16/10 10:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		!	
GMT10041902-04A	GMW-0-19	AQ	04/16/10 07:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-05A	GMW-36	AQ	04/16/10 11:30	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-06A	PZ-5	AQ	04/16/10 09:05	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-07A	EB-1	AQ	04/16/10 07:15	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			
GMT10041902-08A	DUP-1	AQ	04/16/10 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate			

Comments:

Security seals intact. Frozen ice. Saturday delivery. Samples received 4/17/10 kept cold and secure until login on 4/19/10. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

**Print Name** 

Logged in by:

Signature

Company Alpha Analytical, Inc.

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. Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other Matrix Type: AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)

Billing Information:

### CHAIN-OF-CUSTODY RECORD

Page: 2 of 2

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder: GMTC10041902 Report Due By: 5:00 PM On: 28-Apr-2010

Client:

**AMEC Geomatrix Consultants** 510 Superior Avenue, Suite 200

Report Attention	Phone Number	7	EMail Address
Shiow-Whei Chou	(949) 642-0245	x	shiow-whei.chou@amec.com
Thandar Phyu	(949) 642-0245	x 7630	thandar.phyu@amec.com

EDD Required: Yes

Sampled by: Chris Davis

17-Apr-2010

Newport Beach, CA 92663-3627 PO:

Job: KMEP DFSP Norwalk

Samples Received Cooler Temp 4°C

**Date Printed** 19-Apr-2010

OC Level: S3

Client's COC #: none

= Final Rot MBLK LCS MS/MSD With Surrogates

									Requested Tests	
Alpha	Client	Collection	n No. c	f Bottle	s	TPH/E_W	TPH/P_W	voc_w		
Sample ID	Sample ID	Matrix Date	Alpha	Sub	TAT					Sample Remarks
GMT10041902-09A	TB-1	AQ 04/16/10 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		2 Reno Trip Blanks (1) 1/25/10 (1) 3/10/10

**Comments:** 

Security seals intact. Frozen ice. Saturday delivery. Samples received 4/17/10 kept cold and secure until login on 4/19/10. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. :

Logged in by:

Signature

**Print Name** 

Alpha Analytical, Inc.

Company

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. Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other Matrix Type: AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other)

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	15306 Norwalk Blvd, Norwalk								(F)	Oxygenates							510 Superior Ave. Suit Newport Beach, CA 92					
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