

Dissolved CO2 by GC TCD			
Lab #:	211635	Location:	GMT09042106
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Sampled:	04/20/09
Matrix:	Water	Received:	04/22/09
Units:	mg/L	Analyzed:	04/24/09
Batch#:	150301		

Field ID	Type	Lab ID	Result	RL	Diln Fac
MW-SF-1	SAMPLE	211635-001	160	25	25.00
GMW-27	SAMPLE	211635-002	140	10	10.00
	BLANK	QC493167	ND	1.0	1.000

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	211635	Location:	GMT09042106
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	150301
Units:	mg/L	Analyzed:	04/24/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC493168	1.799	1.592	89	62-129		
BSD	QC493169	1.799	1.492	83	62-129	6	32

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 : GMTTC09042106
Report Due By : 5:00 PM On : 30-Apr-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, B. Barker
 Cooler Temp Samples Received Date Printed
 4 °C 21-Apr-2009 21-Apr-2009

PO :
 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 Date	No. of Bottles Alpha Sub	TAT	Requested Tests										Sample Remarks								
					300_0(A)_W_300_0(B)_W_3500FE_20_S_W	ALKALINT_Y_W	CO2_FREE	METALS_D_S	METHANE_W	NO2_NO3_S04	NO2_NO3_S04	FE-2	ALK	CO2 Free (Diss)		Mn	CH4						
GMT09042106-01A	MW-SF-1	04/20/09 12:40	8	2	7																		
GMT09042106-02A	GMW-27	04/20/09 09:00	8	2	7																		

Comments: Security seals intact. Frozen ice. Chain split into two separate workorders due to inorganics being placed on separate chain per client notes. CO2 subbed to Curtis & Tompkins. .

Logged in by: Capboth Alex Signature: Elizabeth Alex Print Name: Elizabeth Alex Company: Alpha Analytical, Inc. Date/Time: 4-21-09 11:58

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

Alpha Analytical 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 Norwalk
 Report to:
 Thandat Phyu and Show-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX # of Water	#	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's, TBA, MTBE (EPA 8260B)	Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)	ADDITIONAL INFORMATION	STATUS	CONDITION	LAB SAMPLE #
					Preservation	Type												
EW-1	4-20-09	1400	AQ	6	Ice	VOA	X	X										
GMW-3		1345		6	Ice	VOA	X	X										
P2-10		1205		6	Ice	VOA	X	X										
GMW-1		1120		6	Ice	VOA	X	X										
GMW-1		1040		6	Ice	VOA	X	X										
DUR-1				6	Ice	VOA	X	X										
PW-3		1000		6	Ice	VOA	X	X										
AL-2		0915		6	Ice	VOA	X	X										
MMW-SE-1		1240		16	Ice	VOA	X	X										
TE-1		0700		2	Ice	VOA	X	X										

T. CAUVES, B. BAEKER

one was labeled 2122

RESULTS NEEDED
 NO LATER THAN
 Standard

RELEASED BY: *[Signature]* TIME: 1500 RECEIVED BY: *[Signature]* DATE: 4-20-09 TIME: 1500
 RELEASED BY: *[Signature]* TIME: RECEIVED BY: *[Signature]* DATE: 4-21-09 TIME: 1108

SHIPPED VIA: TIME SENT: COOLER #:



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/22/09

Job#: KMEP Norwalk

Anions by IC
EPA Method 300.0 / 9056

	Parameter	Concentration	Reporting Limit	Date / Time Sampled	Date / Time Analyzed
Client ID : GMW-0-3	Nitrite (NO ₂) - N	ND	0.25 mg/L	04/21/09 12:45	04/22/09 18:29
Lab ID : GMT09042201-14A	Nitrate (NO ₃) - N	ND	0.25 mg/L	04/21/09 12:45	04/22/09 18:29

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.

6
4/30/09
Report Date



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Date Received : 04/22/09

Job#: KMEP Norwalk

Anions by IC
EPA Method 300.0 / 9056

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-3				
Lab ID : GMT09042201-14A Sulfate (SO4)	390	10 mg/L	04/21/09	04/23/09

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Date Received : 04/22/09

Job#: KMEP Norwalk

Iron by Spectrophotometer
SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-3				
Lab ID : GMT09042201-14A Iron, Ferrous (+2)	ND	0.050 mg/L	04/21/09	04/22/09

Ferrous iron samples were color developed promptly after laboratory login.

ND = Not Detected

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Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/22/09

Job#: KMEP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-3				
Lab ID : GMT09042201-14A Alkalinity, Total (As CaCO3 at pH 4.5)	820	10 mg/L	04/21/09	04/27/09

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Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/22/09

Job#: KMEP Norwalk

Dissolved Metals by ICPMS
EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-3				
Lab ID : GMT09042201-14A Manganese (Mn), Dissolved	1.5	0.0050 mg/L	04/21/09	04/23/09

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Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/22/09

Job#: KMEP Norwalk

Dissolved Gases
Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-3				
Lab ID : GMT09042201-14A Methane	ND	0.010 mg/L	04/21/09	04/27/09

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

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Newport Beach, CA 926633627

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/22/09

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 : GMW-0-4	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-02A	Surr: Nonane	116	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	101	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	04/21/09	04/23/09
Client ID : GMW-0-4 (MID)	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-03A	Surr: Nonane	114	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	04/21/09	04/23/09
Client ID : GMW-0-1	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-04A	Surr: Nonane	114	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID : WCW-1	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-05A	Surr: Nonane	105	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID : WCW-2	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-06A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	04/21/09	04/23/09
Client ID : WCW-6	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID : GMT09042201-07A	Surr: Nonane	115	(57-147) %REC	04/21/09	04/22/09
	TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/21/09	04/23/09
	Surr: Toluene-d8	105	(70-130) %REC	04/21/09	04/23/09
	Surr: 4-Bromofluorobenzene	95	(70-130) %REC	04/21/09	04/23/09



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Client ID :	WCW-3	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-08A	Surr: Nonane	113	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	102	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID :	WCW-14	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-09A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	04/21/09	04/23/09
Client ID :	EB-3	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-11A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	100	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	04/21/09	04/23/09
Client ID :	GMW-0-5	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-12A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	04/21/09	04/23/09
Client ID :	GMW-0-6	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-13A	Surr: Nonane	117	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	04/21/09	04/23/09
Client ID :	GMW-0-3	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-14A	Surr: Nonane	108	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID :	WCW-5	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/22/09
Lab ID :	GMT09042201-15A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/22/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID :	WCW-8	TPH-E (Fuel Product)	0.21	** 0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-16A	Surr: Nonane	113	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	101	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	04/21/09	04/23/09
Client ID :	WCW-12	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-17A	Surr: Nonane	114	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	106	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	04/21/09	04/23/09



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Client ID :	WCW-13	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-18A	Surr: Nonane	110	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/23/09
Client ID :	WCW-4	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-19A	Surr: Nonane	118	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	92	(70-130) %REC	04/21/09	04/23/09
Client ID :	EXP-4	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-20A	Surr: Nonane	105	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/23/09
		Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/21/09	04/23/09
		Surr: Toluene-d8	104	(70-130) %REC	04/21/09	04/23/09
		Surr: 4-Bromofluorobenzene	93	(70-130) %REC	04/21/09	04/23/09
Client ID :	EB-4	TPH-E (Fuel Product)	ND	0.10 mg/L	04/21/09	04/23/09
Lab ID :	GMT09042201-21A	Surr: Nonane	120	(57-147) %REC	04/21/09	04/23/09
		TPH-P (GRO)	ND	0.050 mg/L	04/21/09	04/24/09
		Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	04/21/09	04/24/09
		Surr: Toluene-d8	103	(70-130) %REC	04/21/09	04/24/09
		Surr: 4-Bromofluorobenzene	94	(70-130) %REC	04/21/09	04/24/09

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

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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4/30/09

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: GMT09042201-01A
Client I.D. Number: TB-3

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Randy Gardner

Walter Hinchman

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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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-02A
Client I.D. Number: GMW-0-4

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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PSG
4/30/09

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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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-03A
Client I.D. Number: GMW-0-4 (MID)

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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

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PS
4/30/09

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: GMT09042201-04A
Client I.D. Number: GMW-0-1

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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

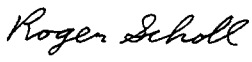

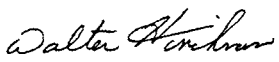
Alpha Analytical Number: GMT09042201-05A
Client I.D. Number: WCW-1

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

 Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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4/30/09

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#: KMPE Norwalk

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

Alpha Analytical Number: GMT09042201-06A
Client I.D. Number: WCW-2

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger 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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4/30/09

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042201-07A
Client I.D. Number: WCW-6

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-08A
Client I.D. Number: WCW-3

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

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

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JF8

4/30/09

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: GMT09042201-09A
Client I.D. Number: WCW-14

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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JS

4/30/09

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: GMT09042201-10A
Client I.D. Number: TB-4

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	95	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042201-11A
Client I.D. Number: EB-3

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	100	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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PS

4/30/09

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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-12A
Client I.D. Number: GMW-0-5

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Randy Gardner

Walter Hinchman

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[Signature]

4/30/09

Report Date



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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042201-13A
Client I.D. Number: GMW-0-6

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Job#: KMEP Norwalk

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

Alpha Analytical Number: GMT09042201-14A
Client I.D. Number: GMW-0-3

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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PS
4/30/09

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

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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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-15A
Client I.D. Number: WCW-5

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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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: GMT09042201-16A
Client I.D. Number: WCW-8

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.59	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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JH

4/30/09

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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042201-17A
Client I.D. Number: WCW-12

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

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Walter Hinchman

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

4/30/09

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: GMT09042201-18A
Client I.D. Number: WCW-13

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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4/30/09

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#: KMPE Norwalk

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

Alpha Analytical Number: GMT09042201-19A
Client I.D. Number: WCW-4

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.51	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	92	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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[Signature]

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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: GMT09042201-20A
Client I.D. Number: EXP-4

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/23/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	2.2	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	93	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	3.7	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	1.4	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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

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JJG

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Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042201-21A
Client I.D. Number: EB-4

Sampled: 04/21/09
Received: 04/22/09
Analyzed: 04/24/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	94	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*Note: 2,2-Dichloropropane failed the method CV criteria at 67.4%, with a criterion of 68-153%.

ND = Not Detected

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4/30/09

Report Date

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Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: GMT09042201

Project: KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
09042201-01A	TB-3	Aqueous	2
09042201-02A	GMW-0-4	Aqueous	2
09042201-03A	GMW-0-4 (MID)	Aqueous	2
09042201-04A	GMW-0-1	Aqueous	2
09042201-05A	WCW-1	Aqueous	2
09042201-06A	WCW-2	Aqueous	2
09042201-07A	WCW-6	Aqueous	2
09042201-08A	WCW-3	Aqueous	2
09042201-09A	WCW-14	Aqueous	2
09042201-10A	TB-4	Aqueous	2
09042201-11A	EB-3	Aqueous	2
09042201-12A	GMW-0-5	Aqueous	2
09042201-13A	GMW-0-6	Aqueous	2
09042201-14A	GMW-0-3	Aqueous	2
09042201-15A	WCW-5	Aqueous	2
09042201-16A	WCW-8	Aqueous	2
09042201-17A	WCW-12	Aqueous	2
09042201-18A	WCW-13	Aqueous	2
09042201-19A	WCW-4	Aqueous	2
09042201-20A	EXP-4	Aqueous	2
09042201-21A	EB-4	Aqueous	2

4/30/09
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:
27-Apr-09

QC Summary Report

Work Order:
09042201

Method Blank

Method Blank		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 22		MBLK	Batch ID: 21858A				Analysis Date: 04/22/2009 12:56			
Sample ID: MB-21858	Units : mg/L		Run ID: IC_1_090422A				Prep Date: 04/22/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	0.25								
Nitrate (NO3) - N	ND	0.25								

Laboratory Fortified Blank

Laboratory Fortified Blank		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 23		LFB	Batch ID: 21858A				Analysis Date: 04/22/2009 13:15			
Sample ID: LFB-21858	Units : mg/L		Run ID: IC_1_090422A				Prep Date: 04/22/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.25	0.25	1.25		100	90	110			
Nitrate (NO3) - N	1.31	0.25	1.25		105	90	110			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 26		LFM	Batch ID: 21858A				Analysis Date: 04/22/2009 14:10			
Sample ID: 09042240-01ALFM	Units : mg/L		Run ID: IC_1_090422A				Prep Date: 04/22/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.18	0.25	1.25	0	94	80	120			
Nitrate (NO3) - N	1.43	0.25	1.25	0	115	80	120			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 27		LFMD	Batch ID: 21858A				Analysis Date: 04/22/2009 14:29			
Sample ID: 09042240-01ALFMD	Units : mg/L		Run ID: IC_1_090422A				Prep Date: 04/22/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.22	0.25	1.25	0	98	80	120	1.177	3.8(10)	
Nitrate (NO3) - N	1.5	0.25	1.25	0	120	80	120	1.434	4.7(10)	

Comments:

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



Alpha Analytical, Inc.

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Date:
27-Apr-09

QC Summary Report

Work Order:
09042201

Method Blank

File ID: 22	Type MBLK	Test Code: EPA Method 300.0 / 9056								
Sample ID: MB-21858	Units : mg/L	Batch ID: 21858B	Run ID: IC_1_090422A	Analysis Date: 04/22/2009 12:56						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

File ID: 23	Type LFB	Test Code: EPA Method 300.0 / 9056								
Sample ID: LFB-21858	Units : mg/L	Batch ID: 21858B	Run ID: IC_1_090422A	Analysis Date: 04/22/2009 13:15						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	9.64	0.5	10		96	90	110			

Sample Matrix Spike

File ID: 26	Type LFM	Test Code: EPA Method 300.0 / 9056								
Sample ID: 09042240-01ALFM	Units : mg/L	Batch ID: 21858B	Run ID: IC_1_090422A	Analysis Date: 04/22/2009 14:10						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	26.1	0.5	10	16.73	94	80	120			

Sample Matrix Spike Duplicate

File ID: 27	Type LFMD	Test Code: EPA Method 300.0 / 9056								
Sample ID: 09042240-01ALFMD	Units : mg/L	Batch ID: 21858B	Run ID: IC_1_090422A	Analysis Date: 04/22/2009 14:29						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	26.6	0.5	10	16.73	99	80	120	26.11	1.9(10)	

Comments:

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Date:
27-Apr-09

QC Summary Report

Work Order:
09042201

Method Blank

File ID:	Type	MBLK	Test Code:	SM3500-Fe B	Batch ID:	W0422FRA	Analysis Date:	04/22/2009 00:00		
Sample ID: MBLK-W0422FRA	Units :	mg/L	Run ID:	WETLAB_090422C	Prep Date:	04/22/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	ND	0.05								

Laboratory Control Spike

File ID:	Type	LCS	Test Code:	SM3500-Fe B	Batch ID:	W0422FRA	Analysis Date:	04/22/2009 00:00		
Sample ID: LCS-W0422FRA	Units :	mg/L	Run ID:	WETLAB_090422C	Prep Date:	04/22/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.48	0.05	1.5		99	85	115			

Sample Matrix Spike

File ID:	Type	MS	Test Code:	SM3500-Fe B	Batch ID:	W0422FRA	Analysis Date:	04/22/2009 00:00		
Sample ID: 09042107-15AMS	Units :	mg/L	Run ID:	WETLAB_090422C	Prep Date:	04/22/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.58	0.05	1.5	0	105	70	130			

Sample Matrix Spike Duplicate

File ID:	Type	MSD	Test Code:	SM3500-Fe B	Batch ID:	W0422FRA	Analysis Date:	04/22/2009 00:00		
Sample ID: 09042107-15AMSD	Units :	mg/L	Run ID:	WETLAB_090422C	Prep Date:	04/22/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.54	0.05	1.5	0	103	70	130	1.575	2.4(20)	

Comments:

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Date:

28-Apr-09

QC Summary Report

Work Order:

09042201

Laboratory Control Spike

Type LCS

Test Code: SM2320B

File ID:

Batch ID: W0427ALA

Analysis Date: 04/27/2009 00:00

Sample ID: LCS-W0427ALA

Units : mg/L

Run ID: WETLAB_090427B

Prep Date: 04/27/2009

Analyte

Result

PQL

SpkVal

SpkRefVal

%REC

LCL(ME)

UCL(ME)

RPDRefVal

%RPD(Limit)

Qual

Alkalinity, Total (As CaCO3 at pH 4.5)

256

10

250

102

80

120

Comments:

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QC Summary Report

Work Order:
09042201

Method Blank

File ID:	Type	MBLK	Test Code:	EPA Method 200.8						
Sample ID:	Units :	mg/L	Run ID:	ICP/MS_090423C						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	ND	0.005								

Laboratory Control Spike

File ID:	Type	LCS	Test Code:	EPA Method 200.8						
Sample ID:	Units :	mg/L	Run ID:	ICP/MS_090423C						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0455	0.005	0.05		91	83	120			

Sample Matrix Spike

File ID:	Type	MS	Test Code:	EPA Method 200.8						
Sample ID:	Units :	mg/L	Run ID:	ICP/MS_090423C						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	1.6	0.005	0.05	1.549	108	70	130			

Sample Matrix Spike Duplicate

File ID:	Type	MSD	Test Code:	EPA Method 200.8						
Sample ID:	Units :	mg/L	Run ID:	ICP/MS_090423C						
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	1.52	0.005	0.05	1.549	-64	70	130	1.603	5.5(20)	M3

Comments:

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

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.



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Date:
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QC Summary Report

Work Order:
09042201

Method Blank

File ID:	Type	MBLK	Test Code:	Modified Method RSK-175 GC/FID						
Sample ID:	Units :	mg/L	Run ID:	FID_6_090427A	Batch ID:	21874	Analysis Date:	04/27/2009 13:56		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	ND	0.01								

Laboratory Control Spike

File ID:	Type	LCS	Test Code:	Modified Method RSK-175 GC/FID						
Sample ID:	Units :	mg/L	Run ID:	FID_6_090427A	Batch ID:	21874	Analysis Date:	04/27/2009 14:14		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	0.408	0.01	0.452		90	70	130			

Sample Matrix Spike

File ID:	Type	MS	Test Code:	Modified Method RSK-175 GC/FID						
Sample ID:	Units :	mg/L	Run ID:	FID_6_090427A	Batch ID:	21874	Analysis Date:	04/27/2009 14:50		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	4.85	0.01	1.81	3.109	96	70	130			

Sample Matrix Spike Duplicate

File ID:	Type	MSD	Test Code:	Modified Method RSK-175 GC/FID						
Sample ID:	Units :	mg/L	Run ID:	FID_6_090427A	Batch ID:	21874	Analysis Date:	04/27/2009 15:08		
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	4.14	0.01	1.81	3.109	57	70	130	4.846	15.8(20)	M2

Comments:

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M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.



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Date:
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QC Summary Report

Work Order:
09042201

Method Blank

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

File ID:			Batch ID: 21861					Analysis Date: 04/22/2009 15:58		
Sample ID: MBLK-21861	Units : mg/L	Run ID: FID_2_090422A			Prep Date: 04/22/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	103		100		103	57	147			

Laboratory Control Spike

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

File ID:			Batch ID: 21861					Analysis Date: 04/22/2009 15:33		
Sample ID: LCS-21861	Units : mg/L	Run ID: FID_2_090422A			Prep Date: 04/22/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.56	0.5	2.5		102	67	130			
Surr: Nonane	105		100		105	57	147			

Sample Matrix Spike

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

File ID:			Batch ID: 21861					Analysis Date: 04/22/2009 17:14		
Sample ID: 09042201-03AMS	Units : mg/L	Run ID: FID_2_090422A			Prep Date: 04/22/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.5	0.5	2.5	0	99.9	49	150			
Surr: Nonane	61.3		100		61	57	147			

Sample Matrix Spike Duplicate

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

File ID:			Batch ID: 21861					Analysis Date: 04/22/2009 17:39		
Sample ID: 09042201-03AMSD	Units : mg/L	Run ID: FID_2_090422A			Prep Date: 04/22/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.46	0.5	2.5	0	98	49	150	2.497	1.6(38)	
Surr: Nonane	0		100		0	57	147			S54

Comments:

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S54 = Surrogate recovery was below laboratory acceptance limits.



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Date:
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QC Summary Report

Work Order:
09042201

Method Blank

File ID: 09042307.D

Type MBLK Test Code: EPA Method SW8015B

Batch ID: MS15W0423B

Analysis Date: 04/23/2009 10:37

Sample ID: MBLK MS15W0423B

Units : mg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

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	0.00914		0.01		91	70	130			
Surr: Toluene-d8	0.0104		0.01		104	70	130			
Surr: 4-Bromofluorobenzene	0.00971		0.01		97	70	130			

Laboratory Control Spike

File ID: 09042303.D

Type LCS Test Code: EPA Method SW8015B

Batch ID: MS15W0423B

Analysis Date: 04/23/2009 08:57

Sample ID: GLCS MS15W0423B

Units : mg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.378	0.05	0.4		95	70	130			
Surr: 1,2-Dichloroethane-d4	0.00889		0.01		89	70	130			
Surr: Toluene-d8	0.01		0.01		100	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

Sample Matrix Spike

File ID: 09042310.D

Type MS Test Code: EPA Method SW8015B

Batch ID: MS15W0423B

Analysis Date: 04/23/2009 11:44

Sample ID: 09042201-14AGS

Units : mg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.81	0.25	2	0	90	58	135			
Surr: 1,2-Dichloroethane-d4	0.0471		0.05		94	70	130			
Surr: Toluene-d8	0.0496		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.049		0.05		98	70	130			

Sample Matrix Spike Duplicate

File ID: 09042311.D

Type MSD Test Code: EPA Method SW8015B

Batch ID: MS15W0423B

Analysis Date: 04/23/2009 12:06

Sample ID: 09042201-14AGSD

Units : mg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.86	0.25	2	0	93	58	135	1.809	2.6(20)	
Surr: 1,2-Dichloroethane-d4	0.0472		0.05		94	70	130			
Surr: Toluene-d8	0.0481		0.05		96	70	130			
Surr: 4-Bromofluorobenzene	0.0473		0.05		95	70	130			

Comments:

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QC Summary Report

Work Order:
09042201

1,2,3-Trichlorobenzene	ND	2								
Surr: 1,2-Dichloroethane-d4	9.14		10		91	70	130			
Surr: Toluene-d8	10.4		10		104	70	130			
Surr: 4-Bromofluorobenzene	9.71		10		97	70	130			

Laboratory Control Spike

Type LCS

Test Code: EPA Method SW8260B

File ID: 09042304.D

Batch ID: MS15W0423A

Analysis Date: 04/23/2009 09:19

Sample ID: LCS MS15W0423A

Units: µg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	11.3	1	10		113	80	120			
Methyl tert-butyl ether (MTBE)	8.11	0.5	10		81	62	136			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	11	1	10		110	70	130			
Toluene	10.7	0.5	10		107	80	120			
Chlorobenzene	9.92	1	10		99	70	130			
Ethylbenzene	10.4	0.5	10		104	80	120			
m,p-Xylene	10.9	0.5	10		109	70	130			
o-Xylene	10.4	0.5	10		104	70	130			
Surr: 1,2-Dichloroethane-d4	8.49		10		85	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.5		10		105	70	130			

Sample Matrix Spike

Type MS

Test Code: EPA Method SW8260B

File ID: 09042308.D

Batch ID: MS15W0423A

Analysis Date: 04/23/2009 10:59

Sample ID: 09042201-14AMS

Units: µg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	52.5	2.5	50	0	105	60	130			
Methyl tert-butyl ether (MTBE)	39	1.3	50	0	78	56	141			
Benzene	46.1	1.3	50	0	92	67	130			
Trichloroethene	51.6	2.5	50	0	103	69	130			
Toluene	49.4	1.3	50	0	99	66	130			
Chlorobenzene	46.6	2.5	50	0	93	70	130			
Ethylbenzene	48.4	1.3	50	0	97	68	130			
m,p-Xylene	49.8	1.3	50	0	99.5	64	130			
o-Xylene	48.2	1.3	50	0	96	70	130			
Surr: 1,2-Dichloroethane-d4	42.1		50		84	70	130			
Surr: Toluene-d8	51.2		50		102	70	130			
Surr: 4-Bromofluorobenzene	53.3		50		107	70	130			

Sample Matrix Spike Duplicate

Type MSD

Test Code: EPA Method SW8260B

File ID: 09042309.D

Batch ID: MS15W0423A

Analysis Date: 04/23/2009 11:22

Sample ID: 09042201-14AMSD

Units: µg/L

Run ID: MSD_15_090423A

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	51.7	2.5	50	0	103	60	130	52.49	1.5(20)	
Methyl tert-butyl ether (MTBE)	41.7	1.3	50	0	83	56	141	38.98	6.7(20)	
Benzene	46.5	1.3	50	0	93	67	130	46.1	0.9(20)	
Trichloroethene	51.1	2.5	50	0	102	69	130	51.58	1.0(20)	
Toluene	48.2	1.3	50	0	96	66	130	49.42	2.6(20)	
Chlorobenzene	46.2	2.5	50	0	92	70	130	46.55	0.8(20)	
Ethylbenzene	47.3	1.3	50	0	95	68	130	48.39	2.3(20)	
m,p-Xylene	48.8	1.3	50	0	98	64	130	49.77	2.0(20)	
o-Xylene	47.3	1.3	50	0	95	70	130	48.22	2.0(20)	
Surr: 1,2-Dichloroethane-d4	42.6		50		85	70	130			
Surr: Toluene-d8	49.9		50		99.9	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Comments:

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Date:
28-Apr-09

QC Summary Report

Work Order:
09042201

Method Blank

File ID: 09042341.D

Type MBLK

Test Code: EPA Method SW8015B

Batch ID: MS15W0423D

Analysis Date: 04/23/2009 23:15

Sample ID: MBLK MS15W0423D

Units : mg/L

Run ID: MSD_15_090423B

Prep Date: 04/23/2009

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	0.00924		0.01		92	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.0096		0.01		96	70	130			

Laboratory Control Spike

File ID: 09042335.D

Type LCS

Test Code: EPA Method SW8015B

Batch ID: MS15W0423D

Analysis Date: 04/23/2009 21:01

Sample ID: GLCS MS15W0423D

Units : mg/L

Run ID: MSD_15_090423B

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.356	0.05	0.4		89	70	130			
Surr: 1,2-Dichloroethane-d4	0.00961		0.01		96	70	130			
Surr: Toluene-d8	0.00981		0.01		98	70	130			
Surr: 4-Bromofluorobenzene	0.00923		0.01		92	70	130			

Sample Matrix Spike

File ID: 09042344.D

Type MS

Test Code: EPA Method SW8015B

Batch ID: MS15W0423D

Analysis Date: 04/24/2009 00:22

Sample ID: 09042105-16AGS

Units : mg/L

Run ID: MSD_15_090423B

Prep Date: 04/24/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.76	0.25	2	0	88	58	135			
Surr: 1,2-Dichloroethane-d4	0.0478		0.05		96	70	130			
Surr: Toluene-d8	0.0496		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0464		0.05		93	70	130			

Sample Matrix Spike Duplicate

File ID: 09042345.D

Type MSD

Test Code: EPA Method SW8015B

Batch ID: MS15W0423D

Analysis Date: 04/24/2009 00:44

Sample ID: 09042105-16AGSD

Units : mg/L

Run ID: MSD_15_090423B

Prep Date: 04/24/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.82	0.25	2	0	91	58	135	1.762	3.0(20)	
Surr: 1,2-Dichloroethane-d4	0.048		0.05		96	70	130			
Surr: Toluene-d8	0.0492		0.05		98	70	130			
Surr: 4-Bromofluorobenzene	0.0464		0.05		93	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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Date: 28-Apr-09 **QC Summary Report** Work Order: 09042201

1,2,3-Trichlorobenzene	ND	2							
Surr: 1,2-Dichloroethane-d4	9.24		10	92	70	130			
Surr: Toluene-d8	10.1		10	101	70	130			
Surr: 4-Bromofluorobenzene	9.6		10	96	70	130			

Laboratory Control Spike

File ID: 09042337.D		Type LCS	Test Code: EPA Method SW8260B									
Sample ID: LCS MS15W0423C		Units : µg/L	Run ID: MSD_15_090423B				Batch ID: MS15W0423C				Analysis Date: 04/23/2009 21:45	
			Prep Date: 04/23/2009									
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual		
1,1-Dichloroethene	11.3	1	10		113	80	120					
Methyl tert-butyl ether (MTBE)	8.04	0.5	10		80	62	136					
Benzene	9.61	0.5	10		96	70	130					
Trichloroethene	12.2	1	10		122	70	130					
Toluene	10.2	0.5	10		102	80	120					
Chlorobenzene	9.76	1	10		98	70	130					
Ethylbenzene	10	0.5	10		100	80	120					
m,p-Xylene	10.6	0.5	10		106	70	130					
o-Xylene	10.1	0.5	10		101	70	130					
Surr: 1,2-Dichloroethane-d4	8.54		10		85	70	130					
Surr: Toluene-d8	10		10		100	70	130					
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130					

Sample Matrix Spike

File ID: 09042342.D		Type MS	Test Code: EPA Method SW8260B									
Sample ID: 09042105-16AMS		Units : µg/L	Run ID: MSD_15_090423B				Batch ID: MS15W0423C				Analysis Date: 04/23/2009 23:37	
			Prep Date: 04/23/2009									
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual		
1,1-Dichloroethene	52.3	2.5	50	0	105	60	130					
Methyl tert-butyl ether (MTBE)	40.4	1.3	50	0.81	79	56	141					
Benzene	44.4	1.3	50	0	89	67	130					
Trichloroethene	51.6	2.5	50	0	103	69	130					
Toluene	47.5	1.3	50	0	95	66	130					
Chlorobenzene	46	2.5	50	0	92	70	130					
Ethylbenzene	46.6	1.3	50	0	93	68	130					
m,p-Xylene	48.5	1.3	50	0	97	64	130					
o-Xylene	47.3	1.3	50	0	95	70	130					
Surr: 1,2-Dichloroethane-d4	43.9		50		88	70	130					
Surr: Toluene-d8	50.1		50		100	70	130					
Surr: 4-Bromofluorobenzene	49		50		98	70	130					

Sample Matrix Spike Duplicate

File ID: 09042343.D		Type MSD	Test Code: EPA Method SW8260B									
Sample ID: 09042105-16AMSD		Units : µg/L	Run ID: MSD_15_090423B				Batch ID: MS15W0423C				Analysis Date: 04/23/2009 23:59	
			Prep Date: 04/23/2009									
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual		
1,1-Dichloroethene	54.4	2.5	50	0	109	60	130	52.33	3.9(20)			
Methyl tert-butyl ether (MTBE)	41.7	1.3	50	0.81	82	56	141	40.42	3.2(20)			
Benzene	46.5	1.3	50	0	93	67	130	44.4	4.6(20)			
Trichloroethene	54.3	2.5	50	0	109	69	130	51.63	5.0(20)			
Toluene	49.5	1.3	50	0	99	66	130	47.5	4.2(20)			
Chlorobenzene	48	2.5	50	0	96	70	130	46.01	4.3(20)			
Ethylbenzene	48.8	1.3	50	0	98	68	130	46.6	4.7(20)			
m,p-Xylene	51.4	1.3	50	0	103	64	130	48.54	5.7(20)			
o-Xylene	49.4	1.3	50	0	99	70	130	47.28	4.4(20)			
Surr: 1,2-Dichloroethane-d4	44.3		50		89	70	130					
Surr: Toluene-d8	50.2		50		100	70	130					
Surr: 4-Bromofluorobenzene	50.6		50		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.

**Dissolved CO2 by GC TCD**

Lab #:	211650	Location:	GMT09042201
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Batch#:	150301
Field ID:	GMW-0-3	Sampled:	04/21/09
Matrix:	Water	Received:	04/23/09
Units:	mg/L	Analyzed:	04/24/09

Type	Lab ID	Result	RL	Diln Fac
SAMPLE	211650-001	120	10	10.00
BLANK	QC493167	ND	1.0	1.000

ND= Not Detected
RL= Reporting Limit

Batch QC Report

Dissolved CO2 by GC TCD

Lab #:	211650	Location:	GMT09042201
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	150301
Units:	mg/L	Analyzed:	04/24/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC493168	1.799	1.592	89	62-129		
BSD	QC493169	1.799	1.492	83	62-129	6	32

RPD= Relative Percent Difference

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 : GMTC09042201
Report Due By : 5:00 PM On : 01-May-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

Email Address

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C

Samples Received 22-Apr-2009

Date Printed 29-Apr-2009

PO :

Newport Beach, CA 92663-3627

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 Date	No. of Bottles Alpha	Sub	TAT	Requested Tests		Sample Remarks
						TPH/P_W	VOC_W	
GMT09042201-01A	TB-3	04/21/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-02A	GMW-0-4	04/21/09 13:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-03A	GMW-0-4 (MID)	04/21/09 13:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-04A	GMW-0-1	04/21/09 12:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-05A	WCW-1	04/21/09 11:25	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-06A	WCW-2	04/21/09 10:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-07A	WCW-6	04/21/09 10:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-08A	WCW-3	04/21/09 09:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments:

Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPHE : to sample -21A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Logged in by:

Elizabeth Adcox

Signature

Elizabeth Adcox

Print Name

Alpha Analytical, Inc.

Company

Date/Time

4-29-09 9:44

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 : AQA(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

Alpha Analytical, Inc.

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

WorkOrder : GMT090422201
Report Due By : 5:00 PM On : 01-May-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, B. Barker

PO : **Client's COC # :** none **Job :** KMEP Norwalk **Cooler Temp** **Samples Received** **Date Printed**
 Newport Beach, CA 92663-3627 = Final Rpt. MBLK, LCS, MS/MSD With Surrogates 4 °C 22-Apr-2009 29-Apr-2009

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests		Sample Remarks
					TPHP_W	VOC_W	
GMT09042201-09A	WCW-14	AQ 04/21/09 08:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-10A	TB-4	AQ 04/21/09 08:00	2	0	7	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-11A	EB-3	AQ 04/21/09 14:30	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-12A	GMW-0-5	AQ 04/21/09 14:20	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-13A	GMW-0-6	AQ 04/21/09 13:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-14A	GMW-0-3	AQ 04/21/09 12:45	13	2	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-15A	WCW-5	AQ 04/21/09 11:30	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-16A	WCW-8	AQ 04/21/09 10:30	6	0	7	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subdued to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPHP and TPHE: to sample -21A. EA Amended 4/29/09. Added OXYs to all samples due to login error. EA

Logged in by: Elizabeth Adcox **Signature** **Print Name** **Company** **Date/Time**
 Elizabeth Adcox Elizabeth Adcox Alpha Analytical, Inc. 4-29-09 9:44

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

Alpha Analytical, Inc.

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

WorkOrder : GMT090422201
Report Due By : 5:00 PM On : 01-May-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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C

Samples Received 22-Apr-2009

Date Printed 29-Apr-2009

Newport Beach, CA 92663-3627

PO :

Client's COC # : none

Job : KMEP Norwalk

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests							Sample Remarks								
							300_0(A)_W	300_0(B)_W	3500FE_20_S_W	ALKALINITY_W	CO2_FREE	METALS_D_S	METHANE_W		TPHE_W							
GMT09042201-19A	WCW-4	AQ	04/21/09 08:20	6	0	7																
GMT09042201-20A	EXP-4	AQ	04/21/09 07:35	6	0	7																
GMT09042201-21A	EB-4	AQ	04/21/09 14:15	6	0	7																

Comments:

Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPHE : to sample -21A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Logged in by:

Elizabeth Alex

Signature

Elizabeth Alex

Print Name

Alpha Analytical, Inc.

Company

4.29.09 9:44

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

CA

AMENDED #2

Alpha Analytical, Inc.

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

WorkOrder : GMT09042201
Report Due By : 5:00 PM On : 01-May-2009

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention

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

Phone Number Email Address

Newport Beach, CA 92663-3627

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp Samples Received Date Printed

4 °C 22-Apr-2009 29-Apr-2009

PO :

Job : KMEP Norwalk

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

Alpha

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles			Requested Tests		Sample Remarks
			Alpha	Sub	TAT	TPHP_W	VOC_W	
GMT09042201-17A	WCW-12	AQ 04/21/09 09:35	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT09042201-18A	WCW-13	AQ 04/21/09 09:00	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT09042201-19A	WCW-4	AQ 04/21/09 08:20	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT09042201-20A	EXP-4	AQ 04/21/09 07:35	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	
GMT09042201-21A	EB-4	AQ 04/21/09 14:15	6	0	7	TPHE(0.10)+Vinyl acetate	TPHE(0.10)+Vinyl acetate	

Comments:

Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPHE. to sample -21A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Logged in by:

Elizabeth Adams

Elizabeth Adams

Signature

Print Name

Alpha Analytical Inc.

Company

Date/Time

4:29:09 9:44

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

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

WorkOrder : GMT09042201

Report Due By : 5:00 PM On : 01-May-2009

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention

Shiow-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. Rhymes, B. Barker

Cooler Temp

4 °C

Samples Received

22-Apr-2009

Date Printed

22-Apr-2009

PO :

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			Requested Tests		Sample Remarks
			Alpha	Sub	TAT	TPHP_W	VOC_W	
GMT09042201-01A	TB-3	AQ 04/21/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-02A	GMW-0-4	AQ 04/21/09 13:55	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-03A	GMW-0-4 (MID)	AQ 04/21/09 13:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-04A	GMW-0-1	AQ 04/21/09 12:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-05A	WCW-1	AQ 04/21/09 11:25	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-06A	WCW-2	AQ 04/21/09 10:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-07A	WCW-6	AQ 04/21/09 10:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-08A	WCW-3	AQ 04/21/09 09:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPHP and TPHE to sample -21A. EA

Logged in by: Elizabeth Alder Signature: Elizabeth Alder Print Name: Elizabeth Alder Company: Alpha Analytical, Inc. Date/Time: 4.22.09 8:31

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-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Page: 4 of 4

Alpha Analytical, Inc.

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

WorkOrder : GMT09042201

Report Due By : 5:00 PM On : 01-May-2009

Client:

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

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

PO:

Sampled by : T. Rhymes, B. Barker
 Cooler Temp 4°C Samples Received 22-Apr-2009 Date Printed 22-Apr-2009

4°C

22-Apr-2009

22-Apr-2009

QC Level : S3

= Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Job : KMEP Norwalk

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles		Requested Tests	Sample Remarks
			Alpha	Sub TAT		
GMT09042201-09A	WCW-14	AQ 04/21/09 08:40	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042201-10A	TB-4	AQ 04/21/09 08:00	2	0	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-11A	EB-3	AQ 04/21/09 14:30	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042201-12A	GMW-0-5	AQ 04/21/09 14:20	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042201-13A	GMW-0-6	AQ 04/21/09 13:40	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042201-14A	GMW-0-3	AQ 04/21/09 12:45	13	2	TPHE(0.10) +Vinyl acetate	
GMT09042201-15A	WCW-5	AQ 04/21/09 11:30	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042201-16A	WCW-8	AQ 04/21/09 10:30	6	0	TPHE(0.10) +Vinyl acetate	

Comments:

Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPH/E. to sample -21A. EA

Logged in by:

Elizabeth Adcox

Signature

Elizabeth Adcox

Print Name

Alpha Analytical, Inc.

Company

4-22-09 8:31

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

CA

Alpha Analytical, Inc.

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

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

WorkOrder : GMTTC09042201

Report Due By : 5:00 PM On : 01-May-2009

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention

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

Phone Number

Email Address

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp

Samples Received

Date Printed

4 °C

22-Apr-2009

22-Apr-2009

PO : Newport Beach, CA 92663-3627

Job : KMEP Norwalk

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

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles		Requested Tests	Sample Remarks
			Alpha	Sub TAT		
GMT09042201-17A	WCW-12	AQ 04/21/09 09:35	6	0 7	TPHE(0.10) +Vinyl acetate	
GMT09042201-18A	WCW-13	AQ 04/21/09 09:00	6	0 7	TPHE(0.10) +Vinyl acetate	
GMT09042201-19A	WCW-4	AQ 04/21/09 08:20	6	0 7	TPHE(0.10) +Vinyl acetate	
GMT09042201-20A	EXP-4	AQ 04/21/09 07:35	6	0 7	TPHE(0.10) +Vinyl acetate	
GMT09042201-21A	EB-4	AQ 04/21/09 14:15	6	0 7	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPHE. to sample-21A. EA

Logged in by: Elizabeth Adams Signature: Elizabeth Adams Print Name: Elizabeth Adams Company: Alpha Analytical Inc. Date/Time: 4.22.09 8:31

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-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

WorkOrder : GMT09042201

Report Due By : 5:00 PM On : 01-May-2009

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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp Samples Received Date Printed
 4 °C 22-Apr-2009 22-Apr-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627
 PO: Job : KMEP Norwalk
 Client's COC #: none = Final Rpt. MBLK, LCS, MS/MSD With Surrogates
 QC Level : S3

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests						Sample Remarks													
					300_0(A)_W	300_0(B)_W	3500FE_20_S_W	ALKALINT_Y_W	CO2_FREE	METALS_D		METHANE_W	TPHE_W											
GMT09042201-19A	WCW-4	AQ 04/21/09 08:20	6	0	7																			
GMT09042201-20A	EXP-4	AQ 04/21/09 07:35	6	0	7																			
GMT09042201-21A	EB-4	AQ 04/21/09 14:15	6	0	7																			

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/22/09 @ 15:36. Per email from Alex Padilla added TPH/P and TPHE : to sample 21A. EA

Logged in by: Steph Signature: [Signature] Print Name: Elizabeth Alexander Company: Alpha Analytical, Inc. Date/Time: 4/22/09 8:31

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-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 : GMT09042201

Report Due By : 5:00 PM On : 01-May-2009

Client:

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

Report Attention

Shiow-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. Rhymes, B. Barker

Cooler Temp

Samples Received

Date Printed

4 °C

22-Apr-2009

22-Apr-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
					TPHP_w	VOC_w	
GMT09042201-01A	TB-3	AQ 04/21/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-02A	GMW-0-4	AQ 04/21/09 13:55	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-03A	GMW-0-4 (MID)	AQ 04/21/09 13:20	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-04A	GMW-0-1	AQ 04/21/09 12:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-05A	WCW-1	AQ 04/21/09 11:25	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-06A	WCW-2	AQ 04/21/09 10:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-07A	WCW-6	AQ 04/21/09 10:00	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-08A	WCW-3	AQ 04/21/09 09:20	6	0	7	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. .

Logged in by: Elizabeth Pelcox Signature: Elizabeth Pelcox Print Name: Elizabeth Pelcox Company: Alpha Analytical, Inc. Date/Time: 4-22-09 1053

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 : GMT09042201

Report Due By : 5:00 PM On : 01-May-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, B. Barker

Cooler Temp Samples Received Date Printed
 4 °C 22-Apr-2009 22-Apr-2009

PO :
 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		
				300_0(A)_W	300_0(B)_W	3500FE_20_S_W	ALKALINITY_Y_W	CO2_FREE	METALS_D	METHANE_W		TPHE_W	
GMT09042201-10A	TB-4	AQ 04/21/09 08:00	2 0 7										Reno Trip Blank 2/2/09
GMT09042201-11A	EB-3	AQ 04/21/09 14:30	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-12A	GMW-0-5	AQ 04/21/09 14:20	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-13A	GMW-0-6	AQ 04/21/09 13:40	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-14A	GMW-0-3	AQ 04/21/09 12:45	6 0 7	NO2, NO3, SO4	NO2, NO3, SO4	FE-2	ALK	CO2 Free (Diss)	Mn	CH4			TPHE(0.10) +Vinyl acetate
GMT09042201-15A	WCW-5	AQ 04/21/09 11:30	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-16A	WCW-8	AQ 04/21/09 10:30	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-17A	WCW-12	AQ 04/21/09 09:35	6 0 7										TPHE(0.10) +Vinyl acetate
GMT09042201-18A	WCW-13	AQ 04/21/09 09:00	6 0 7										TPHE(0.10) +Vinyl acetate

Comments : Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subdued to Curtis & Tompkins. .

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4:22:09 1053

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

WorkOrder : GMTC09042201
Report Due By : 5:00 PM On : 01-May-2009

Client:

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

Report Attention

Show-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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp

Samples Received

Date Printed

4 °C

22-Apr-2009

22-Apr-2009

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

Client's COC # : none Job : KMEP Norwayk

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests		Sample Remarks	
					TPHP_W	VOC_W		
GMT09042201-09A	WCW-14	AQ 04/21/09 08:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-10A	TB-4	AQ 04/21/09 08:00	2	0	7	TPHE(0.10) acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09
GMT09042201-11A	EB-3	AQ 04/21/09 14:30	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-12A	GMW-0-5	AQ 04/21/09 14:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-13A	GMW-0-6	AQ 04/21/09 13:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-14A	GMW-0-3	AQ 04/21/09 12:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-15A	WCW-5	AQ 04/21/09 11:30	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042201-16A	WCW-8	AQ 04/21/09 10:30	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subdued to Curtis & Tompkins.

Logged in by: Elizabeth Adcox Signature: [Signature] Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-22-09 1053

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

WorkOrder : GMT09042201

Report Due By : 5:00 PM On : 01-May-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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp

Samples Received

Date Printed

4 °C

22-Apr-2009

22-Apr-2009

PO :

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
					TPHP_w	VOC_w	
GMT09042201-17A	WCW-12	AQ 04/21/09 09:35	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-18A	WCW-13	AQ 04/21/09 09:00	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-19A	WCW-4	AQ 04/21/09 08:20	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-20A	EXP-4	AQ 04/21/09 07:35	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042201-21A	EB-4	AQ 04/21/09 14:15	6	0	7	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins.

Logged in by: Elizabeth Alder Signature: Elizabeth Alder Print Name: Elizabeth Alder Company: Alpha Analytical, Inc. Date/Time: 4:22:09 1/25/3

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

Alpha Analytical COC 1 of 3

CHAIN OF CUSTODY

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

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	#	Preservation	Type	CONDUCT ANALYSIS TO DETECT												
							TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)					
TR-3	4-21-09	0700	AQ	2	HCL	VOR		X											
GMW-0-4		1355					X	X											
GMW-0-4 (410)		1320					X	X											
GMW-0-1		1240					X	X											
WCM-1		1125					X	X											
WCV-2		1040					X	X											
WCM-6		1000					X	X											
WCM-3		0920					X	X											
WCM-14		0940					X	X											
TR-4		0900																	

SAMPLING DATE: 4-21-09 TIME: 1445
 SAMPLING PERFORMED BY: T. RATHUNES, B. BARKER

RELEASED BY: *[Signature]* TIME: 1530
 RECEIVED BY: *[Signature]* TIME: 1530

RELEASED BY: *[Signature]* TIME: _____
 RECEIVED BY: *[Signature]* TIME: _____

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

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

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

GMT0904220
 LAB SAMPLE #

RESULTS NEEDED
 NO LATER THAN
 Standard

DATE: 4-21-09 TIME: 1530
 DATE: 4-22-09 TIME: 1053

BLAINE

TECH SERVICES, INC

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB Alpha Analytical COC 2 of 3

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

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

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE ID.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Ferrous Iron (3500-F-ED)	Alkalinity (SM 2320B)	Diss. Manganese EPA 200.8/SW6020)	Diss. Methane & Carbon Dioxide (RSK175M)	Sulfate (EPA 300.0)	Nitrate and Nitrite (EPA 300.0)	ADDL INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
				#	Preservation Type													
EG-3	4-21-09	1430	AQ	6	HCL VOA	X	X				X						-11	
GMM-0-5		1420		6	HCL VOA	X	X											-12
GMM-0-6		1340		6	HCL VOA	X	X											-13
GMM-0-3		1245		15	HCL VOA HCL VOA HCL VOA	X	X	X			X							-14
NCW-5		1130		6	HCL VOA	X	X											-15
NCW-8		1030		6		X	X											-16
NCW-12		0935		6		X	X											-17
NCW-13		0900		6		X	X											-18
NCW-4		0820		6		X	X											-19
EXP-4		0735		6		X	X											-20

SAMPLING COMPLETED DATE 4-21-09 TIME 1445 SAMPLING PERFORMED BY T. ETHRINGS, B. BRADY

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY *[Signature]* TIME 1530 RECEIVED BY *[Signature]* DATE 4-21-09 TIME 1530

RELEASED BY *[Signature]* TIME 1053 RECEIVED BY *[Signature]* DATE 4-22-09 TIME 1053

SHIPPED VIA TIME SENT COOLER #



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

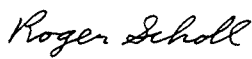

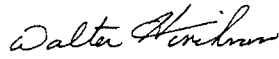
Anions by IC
EPA Method 300.0 / 9056

	Parameter	Concentration	Reporting Limit	Date / Time Sampled	Date / Time Analyzed
Client ID : GMW-0-14	Nitrite (NO2) - N	ND	0.25 mg/L	04/22/09 10:50	04/24/09 09:31
Lab ID : GMT09042302-01A	Nitrate (NO3) - N	ND	0.25 mg/L	04/22/09 10:50	04/24/09 09:31
Client ID : GMW-0-17	Nitrite (NO2) - N	ND *D	1.3 mg/L	04/22/09 08:05	04/30/09 03:21
Lab ID : GMT09042302-05A	Nitrate (NO3) - N	1.7 *	0.25 mg/L	04/22/09 08:05	04/24/09 18:28
Client ID : WCW-7	Nitrite (NO2) - N	ND	0.25 mg/L	04/22/09 09:00	04/24/09 08:54
Lab ID : GMT09042302-06A	Nitrate (NO3) - N	ND	0.25 mg/L	04/22/09 09:00	04/24/09 08:54
Client ID : GMW-39	Nitrite (NO2) - N	ND	0.25 mg/L	04/22/09 13:20	04/24/09 10:45
Lab ID : GMT09042302-07A	Nitrate (NO3) - N	2.2	0.25 mg/L	04/22/09 13:20	04/24/09 10:45
Client ID : GMW-0-10	Nitrite (NO2) - N	ND	0.25 mg/L	04/22/09 10:10	04/24/09 09:13
Lab ID : GMT09042302-17A	Nitrate (NO3) - N	ND	0.25 mg/L	04/22/09 10:10	04/24/09 09:13
Client ID : GMW-0-2	Nitrite (NO2) - N	ND *D	1.3 mg/L	04/22/09 08:20	04/30/09 03:58
Lab ID : GMT09042302-19A	Nitrate (NO3) - N	34 *	1.3 mg/L	04/22/09 08:20	04/30/09 03:58

*Nitrite and Nitrate are analyzed on a preserved sample. The accuracy of Nitrite may be biased low and the Nitrate biased high due to the possible oxidation of Nitrite to Nitrate.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

ND = Not Detected




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

5/1/09
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

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

Anions by IC
EPA Method 300.0 / 9056

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-14 Lab ID : GMT09042302-01A Sulfate (SO4)	54	0.50 mg/L	04/22/09	04/24/09
Client ID : GMW-0-17 Lab ID : GMT09042302-05A Sulfate (SO4)	220	5.0 mg/L	04/22/09	04/24/09
Client ID : WCW-7 Lab ID : GMT09042302-06A Sulfate (SO4)	750	10 mg/L	04/22/09	04/24/09
Client ID : GMW-39 Lab ID : GMT09042302-07A Sulfate (SO4)	290	5.0 mg/L	04/22/09	04/24/09
Client ID : GMW-0-10 Lab ID : GMT09042302-17A Sulfate (SO4)	290	5.0 mg/L	04/22/09	04/24/09
Client ID : GMW-0-2 Lab ID : GMT09042302-19A Sulfate (SO4)	520	5.0 mg/L	04/22/09	04/24/09

Roger Scholl

Randy Gardner

Walter Hinchman

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PS

5/1/09

Report Date



Alpha Analytical, Inc.

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ANALYTICAL REPORT

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

Attn: Shioh-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

Iron by Spectrophotometer
SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-14 Lab ID : GMT09042302-01A Iron, Ferrous (+2)	0.35	0.050 mg/L	04/22/09	04/28/09
Client ID : GMW-0-17 Lab ID : GMT09042302-05A Iron, Ferrous (+2)	ND	0.050 mg/L	04/22/09	04/28/09
Client ID : WCW-7 Lab ID : GMT09042302-06A Iron, Ferrous (+2)	0.11	0.050 mg/L	04/22/09	04/28/09
Client ID : GMW-39 Lab ID : GMT09042302-07A Iron, Ferrous (+2)	ND	0.050 mg/L	04/22/09	04/28/09
Client ID : GMW-0-10 Lab ID : GMT09042302-17A Iron, Ferrous (+2)	0.081	0.050 mg/L	04/22/09	04/28/09
Client ID : GMW-0-2 Lab ID : GMT09042302-19A Iron, Ferrous (+2)	ND	0.050 mg/L	04/22/09	04/28/09

Ferrous iron samples were color developed promptly after laboratory login.

ND = Not Detected

Roger Scholl *Randy Gardner* *Walter Hinchman*

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Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID: GMW-0-14 Lab ID: GMT09042302-01A Alkalinity, Total (As CaCO3 at pH 4.5)	1,000	10 mg/L	04/22/09	04/27/09
Client ID: GMW-0-17 Lab ID: GMT09042302-05A Alkalinity, Total (As CaCO3 at pH 4.5)	660	10 mg/L	04/22/09	04/27/09
Client ID: WCW-7 Lab ID: GMT09042302-06A Alkalinity, Total (As CaCO3 at pH 4.5)	620	10 mg/L	04/22/09	04/27/09
Client ID: GMW-39 Lab ID: GMT09042302-07A Alkalinity, Total (As CaCO3 at pH 4.5)	390	10 mg/L	04/22/09	04/27/09
Client ID: GMW-0-10 Lab ID: GMT09042302-17A Alkalinity, Total (As CaCO3 at pH 4.5)	650	10 mg/L	04/22/09	04/27/09
Client ID: GMW-0-2 Lab ID: GMT09042302-19A Alkalinity, Total (As CaCO3 at pH 4.5)	690	10 mg/L	04/22/09	04/27/09

Roger Scholl

Randy Gardner

Walter Hinchman

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Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

Dissolved Metals by ICPMS
EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-14 Lab ID : GMT09042302-01A Manganese (Mn), Dissolved	1.4	0.0050 mg/L	04/22/09	04/24/09
Client ID : GMW-0-17 Lab ID : GMT09042302-05A Manganese (Mn), Dissolved	ND	0.0050 mg/L	04/22/09	04/24/09
Client ID : WCW-7 Lab ID : GMT09042302-06A Manganese (Mn), Dissolved	3.4	0.0050 mg/L	04/22/09	04/24/09
Client ID : GMW-39 Lab ID : GMT09042302-07A Manganese (Mn), Dissolved	0.26	0.0050 mg/L	04/22/09	04/24/09
Client ID : GMW-0-10 Lab ID : GMT09042302-17A Manganese (Mn), Dissolved	1.4	0.0050 mg/L	04/22/09	04/24/09
Client ID : GMW-0-2 Lab ID : GMT09042302-19A Manganese (Mn), Dissolved	1.0	0.0050 mg/L	04/22/09	04/24/09

ND = Not Detected

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Phone: (949) 642-0245
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Date Received : 04/23/09

Job#: KMEP Norwalk

Dissolved Gases
Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-14 Lab ID : GMT09042302-01A Methane	0.055	0.010 mg/L	04/22/09	04/29/09
Client ID : GMW-0-17 Lab ID : GMT09042302-05A Methane	ND	0.010 mg/L	04/22/09	04/29/09
Client ID : WCW-7 Lab ID : GMT09042302-06A Methane	0.029	0.010 mg/L	04/22/09	04/29/09
Client ID : GMW-39 Lab ID : GMT09042302-07A Methane	ND	0.010 mg/L	04/22/09	04/29/09
Client ID : GMW-0-10 Lab ID : GMT09042302-17A Methane	1.1	0.010 mg/L	04/22/09	04/29/09
Client ID : GMW-0-2 Lab ID : GMT09042302-19A Methane	ND	0.010 mg/L	04/22/09	04/29/09

ND = Not Detected

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Fax: (949) 642-4474
Date Received : 04/23/09

Job#: KMEP Norwalk

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

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

Client ID	Lab ID	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-0-14 Lab ID : GMT09042302-01A		TPH-E (Fuel Product)	8.3 **	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	0 S51	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	36	10 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	104	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	04/22/09	04/28/09
Client ID : DUP-2 Lab ID : GMT09042302-02A		TPH-E (Fuel Product)	11 **	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	0 S51	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	36	10 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	04/22/09	04/28/09
Client ID : GMW-38 Lab ID : GMT09042302-03A		TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	120	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/27/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/22/09	04/27/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/27/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/27/09
Client ID : EB-6 Lab ID : GMT09042302-04A		TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	111	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/28/09
Client ID : GMW-0-17 Lab ID : GMT09042302-05A		TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	110	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/28/09
Client ID : WCW-7 Lab ID : GMT09042302-06A		TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	111	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/28/09
Client ID : GMW-39 Lab ID : GMT09042302-07A		TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
		Surr: Nonane	110	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	102	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	04/22/09	04/28/09



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Client ID :	EXP-1	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-08A	Surr: Nonane	112	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	102	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	04/22/09	04/28/09
Client ID :	EXP-2	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-09A	Surr: Nonane	71	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	102	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/28/09
Client ID :	EXP-5	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-10A	Surr: Nonane	128	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	102	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	04/22/09	04/28/09
Client ID :	GMW-SF-7	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-11A	Surr: Nonane	121	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	04/22/09	04/28/09
Client ID :	EB-5	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-12A	Surr: Nonane	120	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	04/22/09	04/28/09
Client ID :	MW-12	TPH-E (Fuel Product)	0.10 *	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-13A	Surr: Nonane	120	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	103	(70-130) %REC	04/22/09	04/28/09
Client ID :	GMW-8	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-14A	Surr: Nonane	116	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	107	(70-130) %REC	04/22/09	04/28/09
Client ID :	MW-20 (MID)	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-15A	Surr: Nonane	107	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	04/22/09	04/28/09
Client ID :	MW-6	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/24/09
Lab ID :	GMT09042302-16A	Surr: Nonane	115	(57-147) %REC	04/22/09	04/24/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	04/22/09	04/28/09



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Client ID :	GMW-0-10	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/25/09
Lab ID :	GMT09042302-17A	Surr: Nonane	110	(57-147) %REC	04/22/09	04/25/09
		TPH-P (GRO)	0.18	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	101	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	102	(70-130) %REC	04/22/09	04/28/09
Client ID :	GMW-0-9	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/25/09
Lab ID :	GMT09042302-18A	Surr: Nonane	115	(57-147) %REC	04/22/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	104	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	04/22/09	04/28/09
Client ID :	GMW-0-2	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/25/09
Lab ID :	GMT09042302-19A	Surr: Nonane	130	(57-147) %REC	04/22/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	103	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	105	(70-130) %REC	04/22/09	04/28/09
Client ID :	GMW-0-8	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/25/09
Lab ID :	GMT09042302-20A	Surr: Nonane	112	(57-147) %REC	04/22/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	104	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	106	(70-130) %REC	04/22/09	04/28/09
Client ID :	DUP-3	TPH-E (Fuel Product)	ND	0.10 mg/L	04/22/09	04/25/09
Lab ID :	GMT09042302-21A	Surr: Nonane	110	(57-147) %REC	04/22/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/22/09	04/28/09
		Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC	04/22/09	04/28/09
		Surr: Toluene-d8	104	(70-130) %REC	04/22/09	04/28/09
		Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/22/09	04/28/09

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

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

Gasoline Range Organics (GRO) C4-C13

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

This replaces the report originally signed 5/4/09, due to the addition of the S51 footnote, due to lab error.

ND = Not Detected

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5/13/09

Report Date



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Job#: KMED Norwalk

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

Alpha Analytical Number: GMT09042302-01A
Client I.D. Number: GMW-0-14

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	100 µg/L	45 Chlorobenzene	ND	100 µg/L
2 Chloromethane	ND	400 µg/L	46 Ethylbenzene	1,300	50 µg/L
3 Vinyl chloride	ND	100 µg/L	47 m,p-Xylene	2,000	50 µg/L
4 Chloroethane	ND	100 µg/L	48 Bromoform	ND	100 µg/L
5 Bromomethane	ND	400 µg/L	49 Styrene	ND	100 µg/L
6 Trichlorofluoromethane	ND	100 µg/L	50 o-Xylene	1,500	50 µg/L
7 Acetone	ND	2,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	100 µg/L
8 1,1-Dichloroethene	ND	100 µg/L	52 1,2,3-Trichloropropane	ND	400 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1,000 µg/L	53 Isopropylbenzene	ND	100 µg/L
10 Dichloromethane	ND	400 µg/L	54 Bromobenzene	ND	100 µg/L
11 Freon-113	ND	100 µg/L	55 n-Propylbenzene	ND	100 µg/L
12 Carbon disulfide	ND	500 µg/L	56 4-Chlorotoluene	ND	100 µg/L
13 trans-1,2-Dichloroethene	ND	100 µg/L	57 2-Chlorotoluene	ND	100 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	50 µg/L	58 1,3,5-Trimethylbenzene	130	100 µg/L
15 1,1-Dichloroethane	ND	100 µg/L	59 tert-Butylbenzene	ND	100 µg/L
16 Vinyl acetate	ND	10,000 µg/L	60 1,2,4-Trimethylbenzene	780	100 µg/L
17 2-Butanone (MEK)	ND	2,000 µg/L	61 sec-Butylbenzene	ND	100 µg/L
18 Di-isopropyl Ether (DIPE)	170	100 µg/L	62 1,3-Dichlorobenzene	ND	100 µg/L
19 cis-1,2-Dichloroethene	ND	100 µg/L	63 1,4-Dichlorobenzene	ND	100 µg/L
20 Bromochloromethane	ND	100 µg/L	64 4-Isopropyltoluene	ND	100 µg/L
21 Chloroform	ND	100 µg/L	65 1,2-Dichlorobenzene	ND	100 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	100 µg/L	66 n-Butylbenzene	ND	100 µg/L
23 2,2-Dichloropropane	ND	100 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	600 µg/L
24 1,2-Dichloroethane	120	100 µg/L	68 1,2,4-Trichlorobenzene	ND	400 µg/L
25 1,1,1-Trichloroethane	ND	100 µg/L	69 Naphthalene	ND	400 µg/L
26 1,1-Dichloropropene	ND	100 µg/L	70 1,2,3-Trichlorobenzene	ND	400 µg/L
27 Carbon tetrachloride	ND	100 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	9,300	50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	100 µg/L	73 Surr: 4-Bromofluorobenzene	106	(70-130) %REC
30 Dibromomethane	ND	100 µg/L			
31 1,2-Dichloropropane	ND	100 µg/L			
32 Trichloroethene	ND	100 µg/L			
33 Bromodichloromethane	ND	100 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	500 µg/L			
35 cis-1,3-Dichloropropene	ND	100 µg/L			
36 trans-1,3-Dichloropropene	ND	100 µg/L			
37 1,1,2-Trichloroethane	ND	100 µg/L			
38 Toluene	2,300	50 µg/L			
39 1,3-Dichloropropane	ND	100 µg/L			
40 2-Hexanone	ND	1,000 µg/L			
41 Dibromochloromethane	ND	100 µg/L			
42 1,2-Dibromoethane (EDB)	ND	400 µg/L			
43 Tetrachloroethene	ND	100 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	100 µg/L			

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

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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5/4/09

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Report Date

Page 1 of 1



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-02A
Client I.D. Number: DUP-2

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	100 µg/L	45 Chlorobenzene	ND	100 µg/L
2 Chloromethane	ND	400 µg/L	46 Ethylbenzene	1,300	50 µg/L
3 Vinyl chloride	ND	100 µg/L	47 m,p-Xylene	2,000	50 µg/L
4 Chloroethane	ND	100 µg/L	48 Bromoform	ND	100 µg/L
5 Bromomethane	ND	400 µg/L	49 Styrene	ND	100 µg/L
6 Trichlorofluoromethane	ND	100 µg/L	50 o-Xylene	1,500	50 µg/L
7 Acetone	ND	2,000 µg/L	51 1,1,2,2-Tetrachloroethane	ND	100 µg/L
8 1,1-Dichloroethene	ND	100 µg/L	52 1,2,3-Trichloropropane	ND	400 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	1,000 µg/L	53 Isopropylbenzene	ND	100 µg/L
10 Dichloromethane	ND	400 µg/L	54 Bromobenzene	ND	100 µg/L
11 Freon-113	ND	100 µg/L	55 n-Propylbenzene	ND	100 µg/L
12 Carbon disulfide	ND	500 µg/L	56 4-Chlorotoluene	ND	100 µg/L
13 trans-1,2-Dichloroethene	ND	100 µg/L	57 2-Chlorotoluene	ND	100 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	50 µg/L	58 1,3,5-Trimethylbenzene	130	100 µg/L
15 1,1-Dichloroethane	ND	100 µg/L	59 tert-Butylbenzene	ND	100 µg/L
16 Vinyl acetate	ND	10,000 µg/L	60 1,2,4-Trimethylbenzene	790	100 µg/L
17 2-Butanone (MEK)	ND	2,000 µg/L	61 sec-Butylbenzene	ND	100 µg/L
18 Di-isopropyl Ether (DIPE)	170	100 µg/L	62 1,3-Dichlorobenzene	ND	100 µg/L
19 cis-1,2-Dichloroethene	ND	100 µg/L	63 1,4-Dichlorobenzene	ND	100 µg/L
20 Bromochloromethane	ND	100 µg/L	64 4-Isopropyltoluene	ND	100 µg/L
21 Chloroform	ND	100 µg/L	65 1,2-Dichlorobenzene	ND	100 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	100 µg/L	66 n-Butylbenzene	ND	100 µg/L
23 2,2-Dichloropropane	ND	100 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	600 µg/L
24 1,2-Dichloroethane	120	100 µg/L	68 1,2,4-Trichlorobenzene	ND	400 µg/L
25 1,1,1-Trichloroethane	ND	100 µg/L	69 Naphthalene	ND	400 µg/L
26 1,1-Dichloropropene	ND	100 µg/L	70 1,2,3-Trichlorobenzene	ND	400 µg/L
27 Carbon tetrachloride	ND	100 µg/L	71 Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC
28 Benzene	9,200	50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	100 µg/L	73 Surr: 4-Bromofluorobenzene	107	(70-130) %REC
30 Dibromomethane	ND	100 µg/L			
31 1,2-Dichloropropane	ND	100 µg/L			
32 Trichloroethene	ND	100 µg/L			
33 Bromodichloromethane	ND	100 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	500 µg/L			
35 cis-1,3-Dichloropropene	ND	100 µg/L			
36 trans-1,3-Dichloropropene	ND	100 µg/L			
37 1,1,2-Trichloroethane	ND	100 µg/L			
38 Toluene	2,400	50 µg/L			
39 1,3-Dichloropropane	ND	100 µg/L			
40 2-Hexanone	ND	1,000 µg/L			
41 Dibromochloromethane	ND	100 µg/L			
42 1,2-Dibromoethane (EDB)	ND	400 µg/L			
43 Tetrachloroethene	ND	100 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	100 µg/L			

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

ND = Not Detected

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5/4/09

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: GMT09042302-03A
Client I.D. Number: GMW-38

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/27/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.74	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(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			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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PS

5/4/09

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: GMT09042302-04A
Client I.D. Number: EB-6

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(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			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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Report Date



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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-05A
Client I.D. Number: GMW-0-17

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(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			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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5/4/09

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-06A
Client I.D. Number: WCW-7

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	2.8	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)	6.6	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	40	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(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			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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Alpha 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: GMT09042302-07A
Client I.D. Number: GMW-39

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	4,000	50 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(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			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*This analyte was analyzed separately on 4/30/09 in order to achieve lower reporting limits for the other analytes.

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

5/4/09

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: GMT09042302-08A
Client I.D. Number: EXP-1

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(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			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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JS

5/4/09

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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042302-09A
Client I.D. Number: EXP-2

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	0.67	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	1.1	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	0.68	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	1.1	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	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			
38 Toluene	0.59	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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5/4/09

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: GMT09042302-10A
Client I.D. Number: EXP-5

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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

Alpha Analytical Number: GMT09042302-11A
Client I.D. Number: GMW-SF-7

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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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: GMT09042302-12A
Client I.D. Number: EB-5

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-13A
Client I.D. Number: MW-12

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	97	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(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			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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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: GMT09042302-14A
Client I.D. Number: GMW-8

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	107	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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5/4/09

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#: KMED Norwalk

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

Alpha Analytical Number: GMT09042302-15A
Client I.D. Number: MW-20 (MID)

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	28	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	16	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	11	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	17	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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Alpha Analytical, Inc.

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-16A
Client I.D. Number: MW-6

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.69	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	1.6	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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YB

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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: GMT09042302-17A
Client I.D. Number: GMW-0-10

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	2.9	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.2	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	37	0.50 µg/L	72 Surr: Toluene-d8	101	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	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			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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[Signature]
5/4/09

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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: GMT09042302-18A
Client I.D. Number: GMW-0-9

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Reporting			Reporting		
Compound	Concentration	Limit	Compound	Concentration	Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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YB

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ANALYTICAL REPORT

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Job#: KMEP Norwalk

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

Alpha Analytical Number: GMT09042302-19A
Client I.D. Number: GMW-0-2

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	103	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	105	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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5/4/09

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: GMT09042302-20A
Client I.D. Number: GMW-0-8

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	96	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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Page 1 of 1



Alpha Analytical, Inc.

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ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042302-21A
Client I.D. Number: DUP-3

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	4,200	50 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	0.50	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	91	(70-130) %REC
28 Benzene	0.53	0.50 µg/L	72 Surr: Toluene-d8	104	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	108	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*This analyte was analyzed separately on 4/30/09 in order to achieve lower 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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5/4/09

Report Date



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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: GMT09042302-22A
Client I.D. Number: TB-5

Sampled: 04/22/09
Received: 04/23/09
Analyzed: 04/28/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	45 Chlorobenzene	ND	1.0 µg/L
2 Chloromethane	ND	2.0 µg/L	46 Ethylbenzene	ND	0.50 µg/L
3 Vinyl chloride	ND	0.50 µg/L	47 m,p-Xylene	ND	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	0.50 µg/L
7 Acetone	ND	10 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	50 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	102	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	106	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

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

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5/4/09

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: GMT09042302

Project: KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
09042302-01A	GMW-0-14	Aqueous	2
09042302-02A	DUP-2	Aqueous	2
09042302-03A	GMW-38	Aqueous	2
09042302-04A	EB-6	Aqueous	2
09042302-05A	GMW-0-17	Aqueous	2
09042302-06A	WCW-7	Aqueous	2
09042302-07A	GMW-39	Aqueous	2
09042302-08A	EXP-1	Aqueous	2
09042302-09A	EXP-2	Aqueous	2
09042302-10A	EXP-5	Aqueous	2
09042302-11A	GMW-SF-7	Aqueous	2
09042302-12A	EB-5	Aqueous	2
09042302-13A	MW-12	Aqueous	2
09042302-14A	GMW-8	Aqueous	2
09042302-15A	MW-20 (MID)	Aqueous	2
09042302-16A	MW-6	Aqueous	2
09042302-17A	GMW-0-10	Aqueous	2
09042302-18A	GMW-0-9	Aqueous	2
09042302-19A	GMW-0-2	Aqueous	2
09042302-20A	GMW-0-8	Aqueous	2
09042302-21A	DUP-3	Aqueous	2
09042302-22A	TB-5	Aqueous	2

5/4/09
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:
30-Apr-09

QC Summary Report

Work Order:
09042302

Method Blank

Method Blank		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 19		MBLK	Batch ID: 21871A				Analysis Date: 04/24/2009 09:50			
Sample ID: MB-21871	Units : mg/L		Run ID: IC_1_090424A				Prep Date: 04/24/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	ND	0.25								
Nitrate (NO3) - N	ND	0.25								

Laboratory Fortified Blank

Laboratory Fortified Blank		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 20		LFB	Batch ID: 21871A				Analysis Date: 04/24/2009 10:08			
Sample ID: LFB-21871	Units : mg/L		Run ID: IC_1_090424A				Prep Date: 04/24/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.18	0.25	1.25		94	90	110			
Nitrate (NO3) - N	1.27	0.25	1.25		102	90	110			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 25		LFM	Batch ID: 21871A				Analysis Date: 04/24/2009 11:41			
Sample ID: 09042440-02ALFM	Units : mg/L		Run ID: IC_1_090424A				Prep Date: 04/24/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.23	0.25	1.25		0 98	80	120			
Nitrate (NO3) - N	1.62	0.25	1.25	0.3446	102	80	120			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method 300.0 / 9056							
File ID: 26		LFMD	Batch ID: 21871A				Analysis Date: 04/24/2009 11:59			
Sample ID: 09042440-02ALFMD	Units : mg/L		Run ID: IC_1_090424A				Prep Date: 04/24/2009			
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Nitrite (NO2) - N	1.26	0.25	1.25		0 101	80	120	1.226	2.4(10)	
Nitrate (NO3) - N	1.68	0.25	1.25	0.3446	107	80	120	1.616	4.0(10)	

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:
30-Apr-09

QC Summary Report

Work Order:
09042302

Method Blank

File ID: 19	Type	MBLK	Test Code: EPA Method 300.0 / 9056							Qual	
Sample ID: MB-21871	Units : mg/L	Run ID: IC_1_090424A	Batch ID: 21871B							Analysis Date: 04/24/2009 09:50	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
Sulfate (SO4)	ND	0.5									

Laboratory Fortified Blank

File ID: 20	Type	LFB	Test Code: EPA Method 300.0 / 9056							Qual	
Sample ID: LFB-21871	Units : mg/L	Run ID: IC_1_090424A	Batch ID: 21871B							Analysis Date: 04/24/2009 10:08	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
Sulfate (SO4)	9.45	0.5	10		94	90	110				

Sample Matrix Spike

File ID: 25	Type	LFM	Test Code: EPA Method 300.0 / 9056							Qual	
Sample ID: 09042440-02ALFM	Units : mg/L	Run ID: IC_1_090424A	Batch ID: 21871B							Analysis Date: 04/24/2009 11:41	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
Sulfate (SO4)	12.6	0.5	10	2.881	97	80	120				

Sample Matrix Spike Duplicate

File ID: 26	Type	LFMD	Test Code: EPA Method 300.0 / 9056							Qual	
Sample ID: 09042440-02ALFMD	Units : mg/L	Run ID: IC_1_090424A	Batch ID: 21871B							Analysis Date: 04/24/2009 11:59	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
Sulfate (SO4)	13.1	0.5	10	2.881	102	80	120	12.6	4.0(10)		

Comments:

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QC Summary Report

Work Order:
09042302

Method Blank

File ID:	Type	MBLK	Test Code:	SM3500-Fe B	Batch ID:	W0428FR	Analysis Date:	04/28/2009 00:00		
Sample ID:	Units :	mg/L	Run ID:	WETLAB_090428A	Prep Date:	04/28/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	ND	0.05								

Laboratory Control Spike

File ID:	Type	LCS	Test Code:	SM3500-Fe B	Batch ID:	W0428FR	Analysis Date:	04/28/2009 00:00		
Sample ID:	Units :	mg/L	Run ID:	WETLAB_090428A	Prep Date:	04/28/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.53	0.05	1.5		102	85	115			

Sample Matrix Spike

File ID:	Type	MS	Test Code:	SM3500-Fe B	Batch ID:	W0428FR	Analysis Date:	04/28/2009 00:00		
Sample ID:	Units :	mg/L	Run ID:	WETLAB_090428A	Prep Date:	04/28/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.55	0.05	1.5	0	103	70	130			

Sample Matrix Spike Duplicate

File ID:	Type	MSD	Test Code:	SM3500-Fe B	Batch ID:	W0428FR	Analysis Date:	04/28/2009 00:00		
Sample ID:	Units :	mg/L	Run ID:	WETLAB_090428A	Prep Date:	04/28/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Iron, Ferrous (+2)	1.58	0.05	1.5	0	105	70	130	1.55	1.8(20)	

Comments:

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QC Summary Report

Work Order:
09042302

Laboratory Control Spike

Type LCS

Test Code: **SM2320B**

File ID:

Batch ID: **W0427ALA**

Analysis Date: **04/27/2009 00:00**

Sample ID: **LCS-W0427ALA**

Units : mg/L

Run ID: **WETLAB_090427B**

Prep Date: **04/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Total (As CaCO ₃ at pH 4.5)	256	10	250		102	80	120			

Comments:

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QC Summary Report

Work Order:
09042302

Method Blank

File ID:	Type	Test Code:	Batch ID:	Analysis Date:						
042209.B\070SMPL.D\	MBLK	EPA Method 200.8	21870	04/23/2009 18:35						
Sample ID:	Units :	Run ID:	Prep Date:							
MB-21870	mg/L	ICP/MS_090423C	04/23/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	ND	0.005								

Laboratory Control Spike

File ID:	Type	Test Code:	Batch ID:	Analysis Date:						
042209.B\70L.D\	LCS	EPA Method 200.8	21870	04/24/2009 12:02						
Sample ID:	Units :	Run ID:	Prep Date:							
LCS-21870	mg/L	ICP/MS_090423C	04/23/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	0.0455	0.005	0.05		91	83	120			

Sample Matrix Spike

File ID:	Type	Test Code:	Batch ID:	Analysis Date:						
042209.B\075SMPL.D\	MS	EPA Method 200.8	21870	04/23/2009 19:04						
Sample ID:	Units :	Run ID:	Prep Date:							
09042201-14AMS	mg/L	ICP/MS_090423C	04/23/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	1.6	0.005	0.05	1.549	108	70	130			

Sample Matrix Spike Duplicate

File ID:	Type	Test Code:	Batch ID:	Analysis Date:						
042209.B\076SMPL.D\	MSD	EPA Method 200.8	21870	04/23/2009 19:09						
Sample ID:	Units :	Run ID:	Prep Date:							
09042201-14AMSD	mg/L	ICP/MS_090423C	04/23/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn), Dissolved	1.52	0.005	0.05	1.549	-64	70	130	1.603	5.5(20)	M3

Comments:

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M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.



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QC Summary Report

Work Order:
09042302

Method Blank

Method Blank		Type	Test Code: Modified Method RSK-175 GC/FID							
File ID:		MBLK	Batch ID: 21912			Analysis Date: 04/29/2009 17:47				
Sample ID:	MBLK-21912	Units : mg/L	Run ID: FID_6_090429A			Prep Date: 04/29/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	ND	0.01								

Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: Modified Method RSK-175 GC/FID							
File ID:		LCS	Batch ID: 21912			Analysis Date: 04/29/2009 18:05				
Sample ID:	LCS-21912	Units : mg/L	Run ID: FID_6_090429A			Prep Date: 04/29/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	0.404	0.01	0.452		89	70	130			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: Modified Method RSK-175 GC/FID							
File ID:		MS	Batch ID: 21912			Analysis Date: 04/29/2009 20:50				
Sample ID:	09042840-01AMS	Units : mg/L	Run ID: FID_6_090429A			Prep Date: 04/29/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	1.99	0.01	1.81	0.398	88	70	130			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: Modified Method RSK-175 GC/FID							
File ID:		MSD	Batch ID: 21912			Analysis Date: 04/29/2009 21:09				
Sample ID:	09042840-01AMSD	Units : mg/L	Run ID: FID_6_090429A			Prep Date: 04/29/2009				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methane	2	0.01	1.81	0.398	89	70	130	1.994	0.4(20)	

Comments:

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QC Summary Report

Work Order:
09042302

Method Blank

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

File ID:			Batch ID: 21875	Analysis Date: 04/24/2009 14:43						
Sample ID: MBLK-21875	Units : mg/L	Run ID: FID_7_090424B	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	113		100		113	57	147			

Laboratory Control Spike

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

File ID:			Batch ID: 21875	Analysis Date: 04/24/2009 14:17						
Sample ID: LCS-21875	Units : mg/L	Run ID: FID_7_090424B	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.59	0.5	2.5		103	67	130			
Surr: Nonane	119		100		119	57	147			

Sample Matrix Spike

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

File ID:			Batch ID: 21875	Analysis Date: 04/25/2009 01:50						
Sample ID: 09042302-20AMS	Units : mg/L	Run ID: FID_7_090424B	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.8	0.5	2.5	0	112	49	150			
Surr: Nonane	91.1		100		91	57	147			

Sample Matrix Spike Duplicate

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

File ID:			Batch ID: 21875	Analysis Date: 04/25/2009 02:17						
Sample ID: 09042302-20AMSD	Units : mg/L	Run ID: FID_7_090424B	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.55	0.5	2.5	0	102	49	150	2.799	9.5(38)	
Surr: Nonane	107		100		107	57	147			

Comments:

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Date:
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QC Summary Report

Work Order:
09042302

Method Blank

File ID:	Type	Test Code:								
	MBLK	EPA Method SW8015 / E								
Batch ID: 21876			Analysis Date: 04/25/2009 05:50							
Sample ID: MBLK-21876	Units : mg/L	Run ID: FID_7_090424A	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (Fuel Product)	ND	0.1								
Surr: Nonane	108		100		108	57	147			

Laboratory Control Spike

File ID:	Type	Test Code:								
	LCS	EPA Method SW8015 / E								
Batch ID: 21876			Analysis Date: 04/25/2009 05:24							
Sample ID: LCS-21876	Units : mg/L	Run ID: FID_7_090424A	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.66	0.5	2.5		106	67	130			
Surr: Nonane	110		100		110	57	147			

Sample Matrix Spike

File ID:	Type	Test Code:								
	MS	EPA Method SW8015 / E								
Batch ID: 21876			Analysis Date: 04/25/2009 07:37							
Sample ID: 09042402-02AMS	Units : mg/L	Run ID: FID_7_090424A	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.6	0.5	2.5	0	104	49	150			
Surr: Nonane	106		100		106	57	147			

Sample Matrix Spike Duplicate

File ID:	Type	Test Code:								
	MSD	EPA Method SW8015 / E								
Batch ID: 21876			Analysis Date: 04/25/2009 08:03							
Sample ID: 09042402-02AMSD	Units : mg/L	Run ID: FID_7_090424A	Prep Date: 04/24/2009							
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-E (DRO)	2.81	0.5	2.5	0	112	49	150	2.595	8.0(38)	
Surr: Nonane	101		100		101	57	147			

Comments:

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QC Summary Report

Work Order:
09042302

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MS07\DATA\090427\09042714.D		MBLK	Batch ID: MS07W0427B		Analysis Date: 04/27/2009 21:26					
Sample ID: MBLK MS07W0427B	Units : mg/L		Run ID: MSD_07_090427A		Prep Date: 04/27/2009					
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	0.00918		0.01		92	70	130			
Surr: Toluene-d8	0.0102		0.01		102	70	130			
Surr: 4-Bromofluorobenzene	0.0101		0.01		101	70	130			

Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MS07\DATA\090427\09042711.D		LCS	Batch ID: MS07W0427B		Analysis Date: 04/27/2009 20:18					
Sample ID: GLCS MS07W0427B	Units : mg/L		Run ID: MSD_07_090427A		Prep Date: 04/27/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.415	0.05	0.4		104	70	130			
Surr: 1,2-Dichloroethane-d4	0.0095		0.01		95	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.0099		0.01		99	70	130			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MS07\DATA\090427\09042717.D		MS	Batch ID: MS07W0427B		Analysis Date: 04/27/2009 22:34					
Sample ID: 09042302-05AGS	Units : mg/L		Run ID: MSD_07_090427A		Prep Date: 04/27/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.78	0.25	2	0	89	58	135			
Surr: 1,2-Dichloroethane-d4	0.0475		0.05		95	70	130			
Surr: Toluene-d8	0.0498		0.05		99.7	70	130			
Surr: 4-Bromofluorobenzene	0.0494		0.05		99	70	130			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MS07\DATA\090427\09042718.D		MSD	Batch ID: MS07W0427B		Analysis Date: 04/27/2009 22:56					
Sample ID: 09042302-05AGSD	Units : mg/L		Run ID: MSD_07_090427A		Prep Date: 04/27/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.64	0.25	2	0	82	58	135	1.781	8.3(20)	
Surr: 1,2-Dichloroethane-d4	0.0467		0.05		93	70	130			
Surr: Toluene-d8	0.0504		0.05		101	70	130			
Surr: 4-Bromofluorobenzene	0.0502		0.05		100	70	130			

Comments:

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Work Order:
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n-Butylbenzene	ND	1							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5							
1,2,4-Trichlorobenzene	ND	2							
Naphthalene	ND	10							
1,2,3-Trichlorobenzene	ND	2							
Surr: 1,2-Dichloroethane-d4	9.18		10		92	70	130		
Surr: Toluene-d8	10.2		10		102	70	130		
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130		

Laboratory Control Spike

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

File ID: C:\HPCHEM\MS07\DATA\090427\09042712.D

Batch ID: **MS07W0427A**

Analysis Date: **04/27/2009 20:40**

Sample ID: **LCS MS07W0427A**

Units: **µg/L**

Run ID: **MSD_07_090427A**

Prep Date: **04/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.2	1	10		102	80	120			
Methyl tert-butyl ether (MTBE)	9.17	0.5	10		92	62	136			
Benzene	9.92	0.5	10		99	70	130			
Trichloroethene	9.9	1	10		99	70	130			
Toluene	10.1	0.5	10		101	80	120			
Chlorobenzene	10.7	1	10		107	70	130			
Ethylbenzene	10.6	0.5	10		106	80	120			
m,p-Xylene	10.5	0.5	10		105	70	130			
o-Xylene	10.5	0.5	10		105	70	130			
Surr: 1,2-Dichloroethane-d4	9.21		10		92	70	130			
Surr: Toluene-d8	9.91		10		99	70	130			
Surr: 4-Bromofluorobenzene	9.48		10		95	70	130			

Sample Matrix Spike

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

File ID: C:\HPCHEM\MS07\DATA\090427\09042715.D

Batch ID: **MS07W0427A**

Analysis Date: **04/27/2009 21:49**

Sample ID: **09042302-05AMS**

Units: **µg/L**

Run ID: **MSD_07_090427A**

Prep Date: **04/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	44.1	2.5	50	0	88	60	130			
Methyl tert-butyl ether (MTBE)	42.1	1.3	50	0	84	56	141			
Benzene	44.4	1.3	50	0	89	67	130			
Trichloroethene	43.2	2.5	50	0	86	69	130			
Toluene	44.6	1.3	50	0	89	66	130			
Chlorobenzene	47.4	2.5	50	0	95	70	130			
Ethylbenzene	46.2	1.3	50	0	92	68	130			
m,p-Xylene	45.3	1.3	50	0	91	64	130			
o-Xylene	46.8	1.3	50	0	94	70	130			
Surr: 1,2-Dichloroethane-d4	47.4		50		95	70	130			
Surr: Toluene-d8	49		50		98	70	130			
Surr: 4-Bromofluorobenzene	47.3		50		95	70	130			

Sample Matrix Spike Duplicate

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

File ID: C:\HPCHEM\MS07\DATA\090427\09042716.D

Batch ID: **MS07W0427A**

Analysis Date: **04/27/2009 22:12**

Sample ID: **09042302-05AMSD**

Units: **µg/L**

Run ID: **MSD_07_090427A**

Prep Date: **04/27/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	45.2	2.5	50	0	90	60	130	44.09	2.4(20)	
Methyl tert-butyl ether (MTBE)	44	1.3	50	0	88	56	141	42.09	4.5(20)	
Benzene	45.7	1.3	50	0	91	67	130	44.41	2.8(20)	
Trichloroethene	44.1	2.5	50	0	88	69	130	43.24	2.0(20)	
Toluene	46.2	1.3	50	0	92	66	130	44.59	3.5(20)	
Chlorobenzene	49.2	2.5	50	0	98	70	130	47.42	3.7(20)	
Ethylbenzene	48.1	1.3	50	0	96	68	130	46.19	4.0(20)	
m,p-Xylene	47.1	1.3	50	0	94	64	130	45.27	3.9(20)	
o-Xylene	48	1.3	50	0	96	70	130	46.82	2.5(20)	
Surr: 1,2-Dichloroethane-d4	47.1		50		94	70	130			
Surr: Toluene-d8	49.9		50		99.7	70	130			
Surr: 4-Bromofluorobenzene	47.1		50		94	70	130			



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Date:
01-May-09

QC Summary Report

Work Order:
09042302

Comments:

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Method Blank

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	0.00932		0.01		93	70	130			
Surr: Toluene-d8	0.0103		0.01		103	70	130			
Surr: 4-Bromofluorobenzene	0.0105		0.01		105	70	130			

Laboratory Control Spike

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.414	0.05	0.4		103	70	130			
Surr: 1,2-Dichloroethane-d4	0.00921		0.01		92	70	130			
Surr: Toluene-d8	0.0102		0.01		102	70	130			
Surr: 4-Bromofluorobenzene	0.0104		0.01		104	70	130			

Sample Matrix Spike

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.93	0.25	2	0	97	58	135			
Surr: 1,2-Dichloroethane-d4	0.0484		0.05		97	70	130			
Surr: Toluene-d8	0.0497		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0518		0.05		104	70	130			

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.98	0.25	2	0	99	58	135	1.934	2.5(20)	
Surr: 1,2-Dichloroethane-d4	0.0457		0.05		91	70	130			
Surr: Toluene-d8	0.0513		0.05		103	70	130			
Surr: 4-Bromofluorobenzene	0.0534		0.05		107	70	130			

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n-Butylbenzene	ND	1				
1,2-Dibromo-3-chloropropane (DBCP)	ND	5				
1,2,4-Trichlorobenzene	ND	2				
Naphthalene	ND	10				
1,2,3-Trichlorobenzene	ND	2				
Surr: 1,2-Dichloroethane-d4	9.32	10	93	70	130	
Surr: Toluene-d8	10.3	10	103	70	130	
Surr: 4-Bromofluorobenzene	10.5	10	105	70	130	

Laboratory Control Spike

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

File ID: C:\HPCHEM\MS07\DATA\090428\09042804.D

Batch ID: **MS07W0428A**

Analysis Date: **04/28/2009 17:14**

Sample ID: **LCS MS07W0428A**

Units: **µg/L**

Run ID: **MSD_07_090428C**

Prep Date: **04/28/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.5	1	10		105	80	120			
Methyl tert-butyl ether (MTBE)	8.37	0.5	10		84	62	136			
Benzene	10	0.5	10		100	70	130			
Trichloroethene	9.98	1	10		99.8	70	130			
Toluene	10.5	0.5	10		105	80	120			
Chlorobenzene	10.7	1	10		107	70	130			
Ethylbenzene	11.1	0.5	10		111	80	120			
m,p-Xylene	10.7	0.5	10		107	70	130			
o-Xylene	10.7	0.5	10		107	70	130			
Surr: 1,2-Dichloroethane-d4	8.87		10		89	70	130			
Surr: Toluene-d8	10.1		10		101	70	130			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	70	130			

Sample Matrix Spike

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

File ID: C:\HPCHEM\MS07\DATA\090428\09042811.D

Batch ID: **MS07W0428A**

Analysis Date: **04/28/2009 19:52**

Sample ID: **09042402-01AMS**

Units: **µg/L**

Run ID: **MSD_07_090428C**

Prep Date: **04/28/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	48.5	2.5	50	0	97	60	130			
Methyl tert-butyl ether (MTBE)	40.9	1.3	50	0	82	56	141			
Benzene	47.5	1.3	50	0	95	67	130			
Trichloroethene	46.3	2.5	50	0	93	69	130			
Toluene	47.4	1.3	50	0	95	66	130			
Chlorobenzene	48.7	2.5	50	0	97	70	130			
Ethylbenzene	49.8	1.3	50	0	99.6	68	130			
m,p-Xylene	48	1.3	50	0	96	64	130			
o-Xylene	48.1	1.3	50	0	96	70	130			
Surr: 1,2-Dichloroethane-d4	46.7		50		93	70	130			
Surr: Toluene-d8	49		50		98	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\090428\09042812.D

Batch ID: **MS07W0428A**

Analysis Date: **04/28/2009 20:15**

Sample ID: **09042402-01AMSD**

Units: **µg/L**

Run ID: **MSD_07_090428C**

Prep Date: **04/28/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.4	2.5	50	0	101	60	130	48.54	3.7(20)	
Methyl tert-butyl ether (MTBE)	43	1.3	50	0	86	56	141	40.86	5.2(20)	
Benzene	49.4	1.3	50	0	99	67	130	47.48	3.9(20)	
Trichloroethene	47.6	2.5	50	0	95	69	130	46.29	2.7(20)	
Toluene	49.1	1.3	50	0	98	66	130	47.37	3.6(20)	
Chlorobenzene	50.5	2.5	50	0	101	70	130	48.71	3.7(20)	
Ethylbenzene	51.6	1.3	50	0	103	68	130	49.8	3.6(20)	
m,p-Xylene	49.6	1.3	50	0	99	64	130	48.04	3.2(20)	
o-Xylene	49.9	1.3	50	0	99.8	70	130	48.12	3.7(20)	
Surr: 1,2-Dichloroethane-d4	47		50		94	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	49		50		98	70	130			



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