



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 211710
ANALYTICAL REPORT

Alpha Analytical, Inc.
255 Glendale Ave.
Sparks, NV 89431

Project : STANDARD
Location : GMT09042302
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
GMW-0-14	211710-001
GMW-0-17	211710-002
WCW-7	211710-003
GMW-39	211710-004
GMW-0-10	211710-005
GMW-0-2	211710-006

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 05/04/2009

Signature: 
Senior Program Manager

Date: 05/11/2009

CASE NARRATIVE

Laboratory number: 211710
Client: Alpha Analytical, Inc.
Location: GMT09042302
Request Date: 04/27/09
Samples Received: 04/25/09

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/27/09. The samples were received cold and intact.

Dissolved Gases by GC/FID (RSK-175):

Matrix spikes were not performed for this analysis in batch 150406 due to insufficient sample amount. No other analytical problems were encountered.

Dissolved CO2 by GC TCD			
Lab #:	211710	Location:	GMT09042302
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Sampled:	04/22/09
Matrix:	Water	Received:	04/25/09
Units:	mg/L	Analyzed:	04/28/09
Batch#:	150406		

Field ID	Type	Lab ID	Result	RL	Diln Fac
GMW-0-14	SAMPLE	211710-001	110	10	10.00
GMW-0-17	SAMPLE	211710-002	89	10	10.00
WCW-7	SAMPLE	211710-003	90	10	10.00
GMW-39	SAMPLE	211710-004	41	10	10.00
GMW-0-10	SAMPLE	211710-005	100	10	10.00
GMW-0-2	SAMPLE	211710-006	130	10	10.00
	BLANK	QC493589	ND	1.0	1.000

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	211710	Location:	GMT09042302
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	150406
Units:	mg/L	Analyzed:	04/28/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC493590	1.799	1.908	106	62-129		
BSD	QC493591	1.799	1.813	101	62-129	5	32

RPD= Relative Percent Difference

Billing Information :

CHAIN-OF-CUSTODY RECORD

AMENDED #2
Page: 1 of 8

Alpha Analytical, Inc.

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

CA

WorkOrder : GMT09042302

Report Due By : 5:00 PM On : 04-May-2009

Client:

AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200

Report Attention

Shiwo-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

23-Apr-2009

29-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			
					300_0(A)_W/300_0(B)_W/3500FE_20_S04	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vinyl acetate					
GMT09042302-01A	GMMW-0-14	AQ 04/22/09 10:50	13	2	7													
GMT09042302-02A	DUP-2	AQ 04/22/09 00:00	6	0	7													
GMT09042302-03A	GMMW-38	AQ 04/22/09 14:25	5	0	7													1 HCl voa received broken.
GMT09042302-04A	EB-6	AQ 04/22/09 14:45	6	0	7													
GMT09042302-05A	GMMW-0-17	AQ 04/22/09 08:05	13	2	7													
GMT09042302-06A	WCW-7	AQ 04/22/09 09:00	13	2	7													
GMT09042302-07A	GMMW-39	AQ 04/22/09 13:20	13	2	7													
GMT09042302-08A	EXP-1	AQ 04/22/09 12:40	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 split occurred @ 8:00 for sample -05A. EA Amended 4/29/09. Added OXYs to all samples due to logn error. EA

Logged in by: Elizabeth Alder Signature: Elizabeth Alder Print Name: Elizabeth Alder Company: Alpha Analytical, Inc. Date/Time: 4-29-09 9:05

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : 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-Tradlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

AMENDED #2
Page: 2 of 4

Alpha Analytical, Inc.

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

WorkOrder : GMTIC09042302
Report Due By : 5:00 PM On : 04-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

4 °C

Samples Received

23-Apr-2009

Date Printed

29-Apr-2009

PO :

Newport Beach, CA 92663-3627

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	
GMT09042302-01A	GMW-0-14	AQ 04/22/09 10:50	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-02A	DUP-2	AQ 04/22/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-03A	GMW-38	AQ 04/22/09 14:25	5	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	1 HCl voa received broken.
GMT09042302-04A	EB-6	AQ 04/22/09 14:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-05A	GMW-0-17	AQ 04/22/09 08:05	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-06A	WCW-7	AQ 04/22/09 09:00	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-07A	GMW-39	AQ 04/22/09 13:20	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-08A	EXP-1	AQ 04/22/09 12:40	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 split occurred @ 8:00 for sample -05A. EA Amended 4/29/09. Added OXYs to all samples due to login error. EA

Logged in by:

Elizabeth Alder

Signature

Elizabeth Alder

Print Name

Alpha Analytical, Inc.

Company

4-29-09 9:05

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.

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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 : GMT09042302

Report Due By : 5:00 PM On : 04-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

23-Apr-2009

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	Collection Matrix Date	No. of Bottles		Requested Tests	Sample Remarks
			Alpha	Sub TAT		
GMT09042302-09A	EXP-2	AQ 04/22/09 12:00	4	0	TPHE(0.10) +Vinyl acetate	2 HCl voas received broken.
GMT09042302-10A	EXP-5	AQ 04/22/09 09:45	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-11A	GMMW-SF-7	AQ 04/22/09 13:45	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-12A	EB-5	AQ 04/22/09 14:00	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-13A	MW-12	AQ 04/22/09 13:00	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-14A	GMMW-8	AQ 04/22/09 12:20	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-15A	MW-20 (MID)	AQ 04/22/09 11:40	6	0	TPHE(0.10) +Vinyl acetate	
GMT09042302-16A	MW-6	AQ 04/22/09 11:15	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 split occurred @ 8:00 for sample -05A. EA Amended 4/29/09. Added OXYs to all samples due to login error. EA

Logged in by:

Elizabeth Aldox

Signature

Elizabeth Aldox

Print Name

Elizabeth Aldox

Company

Alpha Analytical, Inc.

Date/Time

4-29-09 9:05

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : 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 : GMTC09042302
 Report Due By : 5:00 PM On : 04-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

23-Apr-2009

29-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					
					300_0(A)_W_300_0(B)_W_3500FE_20_S04	ALKALINITY	CO2_FREE	METALS_D		METHANE	TPHE_W			
GMT09042302-17A	GMMW-0-10	AQ 04/22/09 10:10	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +VinyI acetate	
GMT09042302-18A	GMMW-0-9	AQ 04/22/09 09:20	6	0	7								TPHE(0.10) +VinyI acetate	
GMT09042302-19A	GMMW-0-2	AQ 04/22/09 08:20	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +VinyI acetate	
GMT09042302-20A	GMMW-0-8	AQ 04/22/09 07:45	6	0	7								TPHE(0.10) +VinyI acetate	
GMT09042302-21A	DUP-3	AQ 04/22/09 00:00	6	0	7								TPHE(0.10) +VinyI acetate	
GMT09042302-22A	TB-5	AQ 04/22/09 07:00	1	0	7									Reno Trip Blank 2/2/09

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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 split occurred @ 8:00 for sample -05A. EA Amended 4/29/09. Added OXYs to all samples due to login error. EA

Logged in by:

Elizabeth Adcox

Signature

Elizabeth Adcox

Print Name

Alpha Analytical, Inc.

Company

4-29-09 9:05

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 : GMTC09042302
Report Due By : 5:00 PM On : 04-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

Samples Received

Date Printed

4 °C

23-Apr-2009

29-Apr-2009

Client's COC # : none

Job : KMEP Norwalk

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

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha	Sub	TAT	Requested Tests		Sample Remarks
						TPHP_W	VOC_W	
GMT09042302-17A	GMMW-0-10	04/22/09 10:10	13	2	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	
GMT09042302-18A	GMMW-0-9	04/22/09 09:20	6	0	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	
GMT09042302-19A	GMMW-0-2	04/22/09 08:20	13	2	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	
GMT09042302-20A	GMMW-0-8	04/22/09 07:45	6	0	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	
GMT09042302-21A	DUP-3	04/22/09 00:00	6	0	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	
GMT09042302-22A	TB-5	04/22/09 07:00	1	0	7	TPHE(0.10) +Vinyl	TPHE(0.10) +Vinyl	Reno Trip Blank 2/2/09

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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 split occurred @ 8:00 for sample-05A. EA Amended 4/29/09. Added OXYs 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 9:05

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

Alpha Analytical, Inc.

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

WorkOrder : GMTTC09042302
Report Due By : 5:00 PM On : 04-May-2009

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

Report Attention	Phone Number	Email Address
Shiow-Wei Chou	(949) 642-0245 x	shiow-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 **4 °C** Samples Received **23-Apr-2009** Date Printed **24-Apr-2009**

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

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests										Sample Remarks
					300_0(A)_W/300_0(B)_W/3500FE_20_S_W	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vnpl acetate	ALKALINITY	
GMT09042302-01A	GMW-0-14	AQ 04/22/09 10:50	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vnpl acetate		
GMT09042302-02A	DUP-2	AQ 04/22/09 00:00	6	0	7										
GMT09042302-03A	GMW-38	AQ 04/22/09 14:25	5	0	7									1 HCl voa received broken.	
GMT09042302-04A	EB-6	AQ 04/22/09 14:45	6	0	7										
GMT09042302-05A	GMW-0-17	AQ 04/22/09 08:05	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vnpl acetate		
GMT09042302-06A	WCW-7	AQ 04/22/09 09:00	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vnpl acetate		
GMT09042302-07A	GMW-39	AQ 04/22/09 13:20	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vnpl acetate		
GMT09042302-08A	EXP-1	AQ 04/22/09 12:40	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 occurred @ 8:00 for sample -05A. EA

Logged in by: Elizabeth Aldox Signature: Elizabeth Aldox Print Name: Elizabeth Aldox Company: Alpha Analytical, Inc. Date/Time: 4-24-09 8:44

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) SQ(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 : GMTC09042302

Report Due By : 5:00 PM On : 04-May-2009

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 510 Superior Avenue, Suite 200

Report Attention

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 Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp

4 °C

Samples Received

23-Apr-2009

Date Printed

24-Apr-2009

Newport Beach, CA 92663-3627

PO :

Client's COC # : none

Job : KMEP Nonwalk

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
						TPHP_w +VinyI acetate	VOC_w +VinyI acetate	
GMT09042302-01A	GMW-0-14	AQ	04/22/09 10:50	13	2	7	TPHE(0.10) +VinyI acetate	
GMT09042302-02A	DUP-2	AQ	04/22/09 00:00	6	0	7	TPHE(0.10) +VinyI acetate	
GMT09042302-03A	GMW-38	AQ	04/22/09 14:25	5	0	7	TPHE(0.10) +VinyI acetate	1 HCl vva received broken.
GMT09042302-04A	EB-6	AQ	04/22/09 14:45	6	0	7	TPHE(0.10) +VinyI acetate	
GMT09042302-05A	GMW-0-17	AQ	04/22/09 08:05	13	2	7	TPHE(0.10) +VinyI acetate	
GMT09042302-06A	WCW-7	AQ	04/22/09 09:00	13	2	7	TPHE(0.10) +VinyI acetate	
GMT09042302-07A	GMW-39	AQ	04/22/09 13:20	13	2	7	TPHE(0.10) +VinyI acetate	
GMT09042302-08A	EXP-1	AQ	04/22/09 12:40	6	0	7	TPHE(0.10) +VinyI 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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 occurred @ 8:00 for sample -05A. EA

Logged in by:

Elizabeth Alder

Signature

Elizabeth Alder

Print Name

Alpha Analytical, Inc.

Company

Date/Time

4-24-09 8:44

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

Alpha Analytical, Inc.

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

CA

WorkOrder : GMT09042302

Report Due By : 5:00 PM On : 04-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

4 °C

Samples Received

23-Apr-2009

Date Printed

24-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	Collection Matrix Date	No. of Bottles Alpha	Sub TAT	Requested Tests		Sample Remarks	
					TPHP_w +Vinyl acetate	VOC_w +Vinyl acetate		
GMT09042302-09A	EXP-2	AQ 04/22/09 12:00	4	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	2 HCl voas received broken.
GMT09042302-10A	EXP-5	AQ 04/22/09 09:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-11A	GMW-SF-7	AQ 04/22/09 13:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-12A	EB-5	AQ 04/22/09 14:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-13A	NW-12	AQ 04/22/09 13:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-14A	GMW-8	AQ 04/22/09 12:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-15A	MW-20 (MID)	AQ 04/22/09 11:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-16A	MW-6	AQ 04/22/09 11:15	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 occurred @ 8:00 for sample -05A. EA

Logged in by:

Elizabeth Adcox Signature

Elizabeth Adcox Print Name

Company

Alpha Analytical, Inc. 4/24/09 8:44 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 : AQC(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 : GMTTC09042302

Report Due By : 5:00 PM On : 04-May-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Newport Beach, CA 92663-3627

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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C Samples Received 23-Apr-2009 Date Printed 24-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											
					300_0(A)_W	300_0(B)_W	3500FE_20 S_W	ALKALINIT Y_W	CO2_FREE	METALS_D S	METHANE W	TPHE_W	NO2_NO3 SO4	NO2_NO3 SO4		FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vinyl acetate					
GMT09042302-17A	GMW-0-10	04/22/09 10:10	13	2	7																					
GMT09042302-18A	GMW-0-9	04/22/09 09:20	6	0	7																					
GMT09042302-19A	GMW-0-2	04/22/09 08:20	13	2	7																					
GMT09042302-20A	GMW-0-8	04/22/09 07:45	6	0	7																					
GMT09042302-21A	DUP-3	04/22/09 00:00	6	0	7																					
GMT09042302-22A	TB-5	04/22/09 07:00	1	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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 occurred @ 8:00 for sample -05A. EA

Logged in by:

Elizabeth Adcox

Elizabeth Adcox

Alpha Analytical, Inc.

4-24-09 8:44

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

Alpha Analytical, Inc.

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

CA

WorkOrder : GMT09042302

Report Due By : 5:00 PM On : 04-May-2009

Report Attention: Shihow-Wei Chou (949) 642-0245 x shihow-wei.chou@amec.com
 Email Address: Thandar Phyu (949) 642-0245 x 7630 thandar.phyu@amec.com

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C

Samples Received 23-Apr-2009

Date Printed 24-Apr-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 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	Collection Date	No. of Bottles			Requested Tests		Sample Remarks
			Alpha	Sub	TAT	TPHP_W	VOC_W	
GMT09042302-17A	GMW-0-10	04/22/09 10:10	13	2	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09042302-18A	GMW-0-9	04/22/09 09:20	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09042302-19A	GMW-0-2	04/22/09 08:20	13	2	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09042302-20A	GMW-0-8	04/22/09 07:45	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09042302-21A	DUP-3	04/22/09 00:00	6	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	
GMT09042302-22A	TB-5	04/22/09 07:00	1	0	7	TPHE(0.10) +Vmyl acetate	TPHE(0.10) +Vmyl acetate	Reno Trip Blank 2/2/09

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. Cooler was not received for inorganics. Amended 4/24/09. Second cooler was received and H2SO4 occurred @ 8:00 for sample -05A. EA

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4.24.09 8:44

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

Alpha Analytical, Inc.

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

CA

WorkOrder : **GMTC09042302**

Report Due By : **5:00 PM On : 04-May-2009**

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention

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

Email Address

show-wei.chou@amec.com
 thandar.phyu@amec.com

Newport Beach, CA 92663-3627

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C

Samples Received 23-Apr-2009

Date Printed 23-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	
GMT09042302-01A	GMW-0-14	AQ 04/22/09 10:50	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-02A	DUP-2	AQ 04/22/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-03A	GMW-38	AQ 04/22/09 14:25	5	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	1 HCl voa received broken.
GMT09042302-04A	EB-6	AQ 04/22/09 14:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-05A	GMW-0-17	AQ 04/22/09 08:05	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-06A	WCW-7	AQ 04/22/09 09:00	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-07A	GMW-39	AQ 04/22/09 13:20	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-08A	EXP-1	AQ 04/22/09 12:40	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. Cooler was not received for inorganics.

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4.23.09 10:22

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 : GMTC09042302

Report Due By : 5:00 PM On : 04-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

23-Apr-2009

Date Printed

23-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		
GMT09042302-09A	EXP-2	AQ 04/22/09 12:00	4	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	2 HCl vials received broken.
GMT09042302-10A	EXP-5	AQ 04/22/09 09:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-11A	GMW-SF-7	AQ 04/22/09 13:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-12A	EB-5	AQ 04/22/09 14:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-13A	MW-12	AQ 04/22/09 13:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-14A	GMW-8	AQ 04/22/09 12:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-15A	MW-20 (MID)	AQ 04/22/09 11:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-16A	MW-6	AQ 04/22/09 11:15	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. Cooler was not received for Inorganics.

Logged in by: Elizabeth Aldox Signature: Elizabeth Aldox Print Name: Elizabeth Aldox Company: Alpha Analytical, Inc. Date/Time: 4-23-09 10:22

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 : GMT09042302
Report Due By : 5:00 PM On : 04-May-2009

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

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627
 PO :
 Client's COC # : none
 Job : KMEP Norwalk
 QC Level : S3 = Final Rpt. MBLK, LCS, MS/MSD With Surrogates
 Cooler Temp 4 °C Samples Received 23-Apr-2009 Date Printed 23-Apr-2009

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_W	CO2_FREE	METALS_D	METHANE_W	TPHE_W	NO2, NO3, SO4	NO2, NO3, SO4		FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +VinyI acetate				
GMT09042302-17A	GMW-0-10	AQ 04/22/09 10:10	13	2	7																				
GMT09042302-18A	GMW-0-9	AQ 04/22/09 09:20	6	0	7																				
GMT09042302-19A	GMW-0-2	AQ 04/22/09 08:20	13	2	7																				
GMT09042302-20A	GMW-0-8	AQ 04/22/09 07:45	6	0	7																				
GMT09042302-21A	DUP-3	AQ 04/22/09 00:00	6	0	7																				
GMT09042302-22A	TB-5	AQ 04/22/09 07:00	1	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. Cooler was not received for inorganics.

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-23-09 10:22

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

WorkOrder : GMT09042302

Report Due By : 5:00 PM On : 04-May-2009

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention Phone Number Email Address

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

EDD Required : Yes

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, B. Barker

Cooler Temp

Samples Received

Date Printed

4 °C

23-Apr-2009

23-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	
GMT09042302-17A	GMW-0-10	04/22/09 10:10	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-18A	GMW-0-9	04/22/09 09:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-19A	GMW-0-2	04/22/09 08:20	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-20A	GMW-0-8	04/22/09 07:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-21A	DUP-3	04/22/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042302-22A	TB-5	AQ 04/22/09 07:00	1	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 2/2/09

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. Cooler was not received for inorganics.

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-23-09 10:22

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) 573-0565

CONDUCT ANALYSIS TO DETECT

LAB Alpha Analytical COC 1 of 3

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

Kinder Morgan Norwalk
 Report to:
 Thandai Phyu and Shiu-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 I.D.	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 #	
				#	Type													
GMW-0-14	4-22-09	1050	AQ Water	15	HCL VOA	X	X	X	X	X	X	X	X				GMT09042300	
DUP-2				6	HCL VOA	X	X										01	
GMW-33		1425		6	HCL VOA	X	X										02	
ES-6		1445		6	HCL VOA	X	X										03	
GMW-0-17		0805		15	HCL VOA	X	X										04	
WCV-7		0900		15	HCL VOA	X	X										05	
GMW-39		1320		15	HCL VOA	X	X										06	
EXP-1		1240		6	HCL VOA	X	X										07	
EXP-2		1200		6	HCL VOA	X	X										08	
EXP-5		0945		6	HCL VOA	X	X										09	
SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED														
	4-22-09	1500	T. RHMES, B. BARKER	NO LATER THAN Standard														
RELEASED BY	TIME	DATE	RECEIVED BY	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
	1545	4-22-09		1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545
RELEASED BY	TIME	DATE	RECEIVED BY	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
	1545	4-22-09		1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545	4-22-09	1545

SHIPPED VIA

TIME SENT

COOLER #

RECEIVED BY

DATE

TIME

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

Kinder Morgan Norwalk
Report to:
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 I.D.	DATE	TIME	MATRIX AQ = Water	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												
GMN-SF-7	4-22-09	13:45	AQ	6	HCL	VOL	X	X	X	X	X	X	X				-11
EW-5		14:00					X	X									-12
WW-12		13:00					X	X									-13
GMN-8		12:20					X	X									-14
AW-20(AID)		11:40					X	X									-15
WW-6		11:15					X	X									-16
GMN-0-10		10:10					X	X									-17
GMN-0-9		09:20					X	X									-18
GMN-0-2		08:20					X	X									-19
GMN-0-8		07:45					X	X									-20

SAMPLING COMPLETED 4-22-09 15:00

SAMPLING PERFORMED BY T. RHYMES, B. BRACKER

RESULTS NEEDED NO LATER THAN

Standard

RELEASED BY

[Signature]

TIME

15:15

RECEIVED BY

[Signature]

DATE

4-22-09

TIME

15:45

RELEASED BY

[Signature]

TIME

15:15

RECEIVED BY

[Signature]

DATE

4-23-09

TIME

10:22

SHIPPED VIA

TIME SENT

COOLER #



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/24/09

Job#: KMEP Norwalk

Anions by IC
EPA Method 300.0 / 9056

	Parameter	Concentration	Reporting Limit	Date / Time Sampled	Date / Time Analyzed
Client ID : PZ-5	Nitrite (NO ₂) - N	ND	0.25 mg/L	04/23/09 08:25	04/24/09 14:46
Lab ID : GMT09042402-11A	Nitrate (NO ₃) - N	ND	0.25 mg/L	04/23/09 08:25	04/24/09 14:46

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.

0
5/4/09
Report Date



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Date Received : 04/24/09

Job#: KMEP Norwalk

Anions by IC
EPA Method 300.0 / 9056

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID: PZ-5				
Lab ID: GMT09042402-11A Sulfate (SO4)	540	5.0 mg/L	04/23/09	04/24/09

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Phone: (949) 642-0245
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Date Received : 04/24/09

Job#: KMEP Norwalk

Iron by Spectrophotometer
SM3500-Fe B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : PZ-5				
Lab ID : GMT09042402-11A Iron, Ferrous (+2)	2.7	0.050 mg/L	04/23/09	04/28/09

Ferrous iron samples were color developed promptly after laboratory login.

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Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/24/09

Job#: KMEP Norwalk

Alkalinity
SM2320B

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : PZ-5				
Lab ID : GMT09042402-11A Alkalinity, Total (As CaCO ₃ at pH 4.5)	860	10 mg/L	04/23/09	04/27/09

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Fax: (949) 642-4474
Date Received : 04/24/09

Job#: KMEP Norwalk

Dissolved Metals by ICPMS
EPA Method 200.8

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : PZ-5				
Lab ID : GMT09042402-11A Manganese (Mn), Dissolved	1.6	0.0050 mg/L	04/23/09	04/24/09

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4/4/09

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Newport Beach, CA 926633627

Attn: Shiow-Whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474
Date Received : 04/24/09

Job#: KMEP Norwalk

Dissolved Gases
Modified Method RSK-175 GC/FID

Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : PZ-5				
Lab ID : GMT09042402-11A Methane	0.069	0.010 mg/L	04/23/09	04/29/09

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 : 04/24/09

Job#: KMEP Norwalk

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

	Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID : GMW-37	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-01A	Surr: Nonane	111	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	93	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	103	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/23/09	04/28/09
Client ID : MW-8	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-02A	Surr: Nonane	116	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	92	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	103	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	107	(70-130) %REC	04/23/09	04/28/09
Client ID : DUP-6	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-03A	Surr: Nonane	114	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	103	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/23/09	04/28/09
Client ID : GMW-SF-8	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-04A	Surr: Nonane	111	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	90	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	104	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	110	(70-130) %REC	04/23/09	04/28/09
Client ID : GMW-0-16	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-05A	Surr: Nonane	109	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	104	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/23/09	04/28/09
Client ID : GMW-0-19	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-06A	Surr: Nonane	114	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	102	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/23/09	04/28/09
Client ID : GMW-0-18	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID : GMT09042402-07A	Surr: Nonane	109	(57-147) %REC	04/23/09	04/25/09
	TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/28/09
	Surr: 1,2-Dichloroethane-d4	94	(70-130) %REC	04/23/09	04/28/09
	Surr: Toluene-d8	104	(70-130) %REC	04/23/09	04/28/09
	Surr: 4-Bromofluorobenzene	108	(70-130) %REC	04/23/09	04/28/09



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Client ID :	MW-SF-9	TPH-E (Fuel Product)	3.8	*	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-08A	Surr: Nonane	118		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	0.43		0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	89		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	103		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	105		(70-130) %REC	04/23/09	04/29/09
Client ID :	GMW-13	TPH-E (Fuel Product)	ND		0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-09A	Surr: Nonane	114		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	ND		0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	89		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	104		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	106		(70-130) %REC	04/23/09	04/29/09
Client ID :	GMW-4	TPH-E (Fuel Product)	9.5	**	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-10A	Surr: Nonane	0	S51	(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	2.5		0.10 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	91		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	103		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	109		(70-130) %REC	04/23/09	04/29/09
Client ID :	PZ-5	TPH-E (Fuel Product)	0.76	*	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-11A	Surr: Nonane	111		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	1.2		0.40 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	82		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	106		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	107		(70-130) %REC	04/23/09	04/29/09
Client ID :	GMW-14	TPH-E (Fuel Product)	0.58	**	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-12A	Surr: Nonane	107		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	0.12		0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	89		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	103		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	107		(70-130) %REC	04/23/09	04/29/09
Client ID :	MW-9	TPH-E (Fuel Product)	11	*	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-13A	Surr: Nonane	114		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	1.6		0.50 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	86		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	105		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	107		(70-130) %REC	04/23/09	04/29/09
Client ID :	EB-7	TPH-E (Fuel Product)	ND		0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-15A	Surr: Nonane	109		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	ND		0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	87		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	107		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	110		(70-130) %REC	04/23/09	04/29/09
Client ID :	DUP-5	TPH-E (Fuel Product)	ND		0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-16A	Surr: Nonane	111		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	ND		0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	90		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	104		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	110		(70-130) %REC	04/23/09	04/29/09
Client ID :	DUP-4	TPH-E (Fuel Product)	0.79	*	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-17A	Surr: Nonane	113		(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	1.2		0.40 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	83		(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	108		(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	109		(70-130) %REC	04/23/09	04/29/09



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Client ID :	EXP-3	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-18A	Surr: Nonane	110	(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/29/09
		Surr: 1,2-Dichloroethane-d4	89	(70-130) %REC	04/23/09	04/29/09
		Surr: Toluene-d8	105	(70-130) %REC	04/23/09	04/29/09
		Surr: 4-Bromofluorobenzene	109	(70-130) %REC	04/23/09	04/29/09
Client ID :	EB-8	TPH-E (Fuel Product)	ND	0.10 mg/L	04/23/09	04/25/09
Lab ID :	GMT09042402-19A	Surr: Nonane	114	(57-147) %REC	04/23/09	04/25/09
		TPH-P (GRO)	ND	0.050 mg/L	04/23/09	04/30/09
		Surr: 1,2-Dichloroethane-d4	95	(70-130) %REC	04/23/09	04/30/09
		Surr: Toluene-d8	102	(70-130) %REC	04/23/09	04/30/09
		Surr: 4-Bromofluorobenzene	97	(70-130) %REC	04/23/09	04/30/09

**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.

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: GMT09042402-01A
Client I.D. Number: GMW-37

Sampled: 04/23/09
Received: 04/24/09
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	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			

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

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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: GMT09042402-02A
Client I.D. Number: MW-8

Sampled: 04/23/09
Received: 04/24/09
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)	2,000	20 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.0	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	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	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	1.0 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

*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: GMT09042402-03A
Client I.D. Number: DUP-6

Sampled: 04/23/09
Received: 04/24/09
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)	1,900	20 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)	0.86	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	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

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5/4/09

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#: KMEP Norwalk

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

Alpha Analytical Number: GMT09042402-04A
Client I.D. Number: GMW-SF-8

Sampled: 04/23/09
Received: 04/24/09
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	4.1	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	90	(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	110	(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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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: Shio-whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09042402-05A
Client I.D. Number: GMW-0-16

Sampled: 04/23/09
Received: 04/24/09
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)	0.55	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	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			

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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YJG

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: GMT09042402-06A
Client I.D. Number: GMW-0-19

Sampled: 04/23/09
Received: 04/24/09
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	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			

ND = Not Detected

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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: GMT09042402-07A
Client I.D. Number: GMW-0-18

Sampled: 04/23/09
Received: 04/24/09
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)	140	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1.0	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	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	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			

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



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042402-08A
Client I.D. Number: MW-SF-9

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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	1.2	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	1.9	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	4.5	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	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	1.1	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	89	(70-130) %REC
28 Benzene	44	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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5/4/09

Report Date



Alpha Analytical, Inc.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042402-09A
Client I.D. Number: GMW-13

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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	89	(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

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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

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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: GMT09042402-10A
Client I.D. Number: GMW-4

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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	4.0 µg/L	46 Ethylbenzene	12	0.50 µg/L
3 Vinyl chloride	ND	1.0 µg/L	47 m,p-Xylene	7.4	0.50 µg/L
4 Chloroethane	ND	1.0 µg/L	48 Bromoform	ND	1.0 µg/L
5 Bromomethane	ND	4.0 µg/L	49 Styrene	ND	1.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	1.2	0.50 µg/L
7 Acetone	ND	20 µg/L	51 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	4.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	43	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	31	1.0 µg/L
12 Carbon disulfide	ND	5.0 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	3.9	0.50 µg/L	58 1,3,5-Trimethylbenzene	6.1	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	1.2	1.0 µg/L
16 Vinyl acetate	ND	100 µg/L	60 1,2,4-Trimethylbenzene	16	1.0 µg/L
17 2-Butanone (MEK)	ND	20 µg/L	61 sec-Butylbenzene	9.4	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	5.2	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	3.2	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	6.0 µg/L
24 1,2-Dichloroethane	ND	1.0 µg/L	68 1,2,4-Trichlorobenzene	ND	4.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	73	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	4.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	91	(70-130) %REC
28 Benzene	120	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	109	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	1.0 µg/L			
36 trans-1,3-Dichloropropene	ND	1.0 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	10 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	4.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

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

ND = Not Detected

Roger 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: GMT09042402-11A
Client I.D. Number: PZ-5

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	4.0 µg/L	45 Chlorobenzene	ND	4.0 µg/L
2 Chloromethane	ND	16 µg/L	46 Ethylbenzene	5.7	2.0 µg/L
3 Vinyl chloride	ND	4.0 µg/L	47 m,p-Xylene	ND	2.0 µg/L
4 Chloroethane	ND	4.0 µg/L	48 Bromoform	ND	4.0 µg/L
5 Bromomethane	ND	16 µg/L	49 Styrene	ND	4.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	2.0 µg/L
7 Acetone	ND	80 µg/L	51 1,1,2,2-Tetrachloroethane	ND	4.0 µg/L
8 1,1-Dichloroethene	ND	4.0 µg/L	52 1,2,3-Trichloropropane	ND	16 µg/L
9 Tertiary Butyl Alcohol (TBA)	35,000	400 µg/L	53 Isopropylbenzene	ND	4.0 µg/L
10 Dichloromethane	ND	16 µg/L	54 Bromobenzene	ND	4.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	4.0 µg/L
12 Carbon disulfide	ND	20 µg/L	56 4-Chlorotoluene	ND	4.0 µg/L
13 trans-1,2-Dichloroethene	ND	4.0 µg/L	57 2-Chlorotoluene	ND	4.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1,200	2.0 µg/L	58 1,3,5-Trimethylbenzene	ND	4.0 µg/L
15 1,1-Dichloroethane	ND	4.0 µg/L	59 tert-Butylbenzene	ND	4.0 µg/L
16 Vinyl acetate	ND	400 µg/L	60 1,2,4-Trimethylbenzene	ND	4.0 µg/L
17 2-Butanone (MEK)	ND	80 µg/L	61 sec-Butylbenzene	ND	4.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	4.0 µg/L	62 1,3-Dichlorobenzene	ND	4.0 µg/L
19 cis-1,2-Dichloroethene	ND	4.0 µg/L	63 1,4-Dichlorobenzene	ND	4.0 µg/L
20 Bromochloromethane	ND	4.0 µg/L	64 4-Isopropyltoluene	ND	4.0 µg/L
21 Chloroform	ND	4.0 µg/L	65 1,2-Dichlorobenzene	ND	4.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	4.0 µg/L	66 n-Butylbenzene	ND	4.0 µg/L
23 2,2-Dichloropropane	ND	4.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	24 µg/L
24 1,2-Dichloroethane	ND	4.0 µg/L	68 1,2,4-Trichlorobenzene	ND	16 µg/L
25 1,1,1-Trichloroethane	ND	4.0 µg/L	69 Naphthalene	17	16 µg/L
26 1,1-Dichloropropene	ND	4.0 µg/L	70 1,2,3-Trichlorobenzene	ND	16 µg/L
27 Carbon tetrachloride	ND	4.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	82	(70-130) %REC
28 Benzene	250	2.0 µg/L	72 Surr: Toluene-d8	106	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	4.0 µg/L	73 Surr: 4-Bromofluorobenzene	107	(70-130) %REC
30 Dibromomethane	ND	4.0 µg/L			
31 1,2-Dichloropropane	ND	4.0 µg/L			
32 Trichloroethene	ND	4.0 µg/L			
33 Bromodichloromethane	ND	4.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	20 µg/L			
35 cis-1,3-Dichloropropene	ND	4.0 µg/L			
36 trans-1,3-Dichloropropene	ND	4.0 µg/L			
37 1,1,2-Trichloroethane	ND	4.0 µg/L			
38 Toluene	ND	2.0 µg/L			
39 1,3-Dichloropropane	ND	4.0 µg/L			
40 2-Hexanone	ND	40 µg/L			
41 Dibromochloromethane	ND	4.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	16 µg/L			
43 Tetrachloroethene	ND	4.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	4.0 µg/L			

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

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

Report Date

Page 1 of 1



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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042402-12A
Client I.D. Number: GMW-14

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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	1.7	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	89	(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 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: Shio-whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09042402-13A
Client I.D. Number: MW-9

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	5.0 µg/L	45 Chlorobenzene	ND	5.0 µg/L
2 Chloromethane	ND	20 µg/L	46 Ethylbenzene	ND	2.5 µg/L
3 Vinyl chloride	ND	5.0 µg/L	47 m,p-Xylene	ND	2.5 µg/L
4 Chloroethane	ND	5.0 µg/L	48 Bromoform	ND	5.0 µg/L
5 Bromomethane	ND	20 µg/L	49 Styrene	ND	5.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	2.5 µg/L
7 Acetone	ND	100 µg/L	51 1,1,2,2-Tetrachloroethane	ND	5.0 µg/L
8 1,1-Dichloroethene	ND	5.0 µg/L	52 1,2,3-Trichloropropane	ND	20 µg/L
9 Tertiary Butyl Alcohol (TBA)	130	50 µg/L	53 Isopropylbenzene	63	5.0 µg/L
10 Dichloromethane	ND	20 µg/L	54 Bromobenzene	ND	5.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	44	5.0 µg/L
12 Carbon disulfide	ND	25 µg/L	56 4-Chlorotoluene	ND	5.0 µg/L
13 trans-1,2-Dichloroethene	ND	5.0 µg/L	57 2-Chlorotoluene	ND	5.0 µg/L
14 Methyl tert-butyl ether (MTBE)	6.2	2.5 µg/L	58 1,3,5-Trimethylbenzene	ND	5.0 µg/L
15 1,1-Dichloroethane	ND	5.0 µg/L	59 tert-Butylbenzene	ND	5.0 µg/L
16 Vinyl acetate	ND	500 µg/L	60 1,2,4-Trimethylbenzene	ND	5.0 µg/L
17 2-Butanone (MEK)	ND	100 µg/L	61 sec-Butylbenzene	12	5.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	5.0 µg/L	62 1,3-Dichlorobenzene	ND	5.0 µg/L
19 cis-1,2-Dichloroethene	ND	5.0 µg/L	63 1,4-Dichlorobenzene	ND	5.0 µg/L
20 Bromochloromethane	ND	5.0 µg/L	64 4-Isopropyltoluene	ND	5.0 µg/L
21 Chloroform	ND	5.0 µg/L	65 1,2-Dichlorobenzene	ND	5.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	5.0 µg/L	66 n-Butylbenzene	ND	5.0 µg/L
23 2,2-Dichloropropane	ND	5.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	30 µg/L
24 1,2-Dichloroethane	ND	5.0 µg/L	68 1,2,4-Trichlorobenzene	ND	20 µg/L
25 1,1,1-Trichloroethane	ND	5.0 µg/L	69 Naphthalene	94	20 µg/L
26 1,1-Dichloropropene	ND	5.0 µg/L	70 1,2,3-Trichlorobenzene	ND	20 µg/L
27 Carbon tetrachloride	ND	5.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	86	(70-130) %REC
28 Benzene	33	2.5 µg/L	72 Surr: Toluene-d8	105	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	5.0 µg/L	73 Surr: 4-Bromofluorobenzene	107	(70-130) %REC
30 Dibromomethane	ND	5.0 µg/L			
31 1,2-Dichloropropane	ND	5.0 µg/L			
32 Trichloroethene	ND	5.0 µg/L			
33 Bromodichloromethane	ND	5.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	25 µg/L			
35 cis-1,3-Dichloropropene	ND	5.0 µg/L			
36 trans-1,3-Dichloropropene	ND	5.0 µg/L			
37 1,1,2-Trichloroethane	ND	5.0 µg/L			
38 Toluene	ND	2.5 µg/L			
39 1,3-Dichloropropane	ND	5.0 µg/L			
40 2-Hexanone	ND	50 µg/L			
41 Dibromochloromethane	ND	5.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	20 µg/L			
43 Tetrachloroethene	ND	5.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	5.0 µg/L			

Reporting Limits were increased due to sample foaming.

ND = Not Detected

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

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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: GMT09042402-14A
Client I.D. Number: TB-6

Sampled: 04/23/09
Received: 04/24/09
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	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			

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.

5/4/09

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: GMT09042402-15A
Client I.D. Number: EB-7

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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-Dichloroethane	ND	1.0 µg/L	52 1,2,3-Trichloropropane	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	53 Isopropylbenzene	ND	1.0 µg/L
10 Dichloromethane	ND	5.0 µg/L	54 Bromobenzene	ND	1.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	1.0 µg/L
12 Carbon disulfide	ND	2.5 µg/L	56 4-Chlorotoluene	ND	1.0 µg/L
13 trans-1,2-Dichloroethene	ND	1.0 µg/L	57 2-Chlorotoluene	ND	1.0 µg/L
14 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	87	(70-130) %REC
28 Benzene	ND	0.50 µg/L	72 Surr: Toluene-d8	107	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	73 Surr: 4-Bromofluorobenzene	110	(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.

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

ANALYTICAL REPORT

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

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

Alpha Analytical Number: GMT09042402-16A
Client I.D. Number: DUP-5

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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)	170	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)	0.99	0.50 µg/L	58 1,3,5-Trimethylbenzene	ND	1.0 µg/L
15 1,1-Dichloroethane	ND	1.0 µg/L	59 tert-Butylbenzene	ND	1.0 µg/L
16 Vinyl acetate	ND	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	90	(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	110	(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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(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: Shio-whei Chou
Phone: (949) 642-0245
Fax: (949) 642-4474

Alpha Analytical Number: GMT09042402-17A
Client I.D. Number: DUP-4

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	4.0 µg/L	45 Chlorobenzene	ND	4.0 µg/L
2 Chloromethane	ND	16 µg/L	46 Ethylbenzene	6.8	2.0 µg/L
3 Vinyl chloride	ND	4.0 µg/L	47 m,p-Xylene	ND	2.0 µg/L
4 Chloroethane	ND	4.0 µg/L	48 Bromoform	ND	4.0 µg/L
5 Bromomethane	ND	16 µg/L	49 Styrene	ND	4.0 µg/L
6 Trichlorofluoromethane	ND	10 µg/L	50 o-Xylene	ND	2.0 µg/L
7 Acetone	ND	80 µg/L	51 1,1,2,2-Tetrachloroethane	ND	4.0 µg/L
8 1,1-Dichloroethene	ND	4.0 µg/L	52 1,2,3-Trichloropropane	ND	16 µg/L
9 Tertiary Butyl Alcohol (TBA)	41,000	400 µg/L	53 Isopropylbenzene	ND	4.0 µg/L
10 Dichloromethane	ND	16 µg/L	54 Bromobenzene	ND	4.0 µg/L
11 Freon-113	ND	10 µg/L	55 n-Propylbenzene	ND	4.0 µg/L
12 Carbon disulfide	ND	20 µg/L	56 4-Chlorotoluene	ND	4.0 µg/L
13 trans-1,2-Dichloroethene	ND	4.0 µg/L	57 2-Chlorotoluene	ND	4.0 µg/L
14 Methyl tert-butyl ether (MTBE)	1,200	2.0 µg/L	58 1,3,5-Trimethylbenzene	ND	4.0 µg/L
15 1,1-Dichloroethane	ND	4.0 µg/L	59 tert-Butylbenzene	ND	4.0 µg/L
16 Vinyl acetate	ND	400 µg/L	60 1,2,4-Trimethylbenzene	ND	4.0 µg/L
17 2-Butanone (MEK)	ND	80 µg/L	61 sec-Butylbenzene	ND	4.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	4.0 µg/L	62 1,3-Dichlorobenzene	ND	4.0 µg/L
19 cis-1,2-Dichloroethene	ND	4.0 µg/L	63 1,4-Dichlorobenzene	ND	4.0 µg/L
20 Bromochloromethane	ND	4.0 µg/L	64 4-Isopropyltoluene	ND	4.0 µg/L
21 Chloroform	ND	4.0 µg/L	65 1,2-Dichlorobenzene	ND	4.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	4.0 µg/L	66 n-Butylbenzene	ND	4.0 µg/L
23 2,2-Dichloropropane	ND	4.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	24 µg/L
24 1,2-Dichloroethane	ND	4.0 µg/L	68 1,2,4-Trichlorobenzene	ND	16 µg/L
25 1,1,1-Trichloroethane	ND	4.0 µg/L	69 Naphthalene	ND	16 µg/L
26 1,1-Dichloropropene	ND	4.0 µg/L	70 1,2,3-Trichlorobenzene	ND	16 µg/L
27 Carbon tetrachloride	ND	4.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	83	(70-130) %REC
28 Benzene	270	2.0 µg/L	72 Surr: Toluene-d8	108	(70-130) %REC
29 Tertiary Amyl Methyl Ether (TAME)	ND	4.0 µg/L	73 Surr: 4-Bromofluorobenzene	109	(70-130) %REC
30 Dibromomethane	ND	4.0 µg/L			
31 1,2-Dichloropropane	ND	4.0 µg/L			
32 Trichloroethene	ND	4.0 µg/L			
33 Bromodichloromethane	ND	4.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	20 µg/L			
35 cis-1,3-Dichloropropene	ND	4.0 µg/L			
36 trans-1,3-Dichloropropene	ND	4.0 µg/L			
37 1,1,2-Trichloroethane	ND	4.0 µg/L			
38 Toluene	ND	2.0 µg/L			
39 1,3-Dichloropropane	ND	4.0 µg/L			
40 2-Hexanone	ND	40 µg/L			
41 Dibromochloromethane	ND	4.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	16 µg/L			
43 Tetrachloroethene	ND	4.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	4.0 µg/L			

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

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

ND = Not Detected

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

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com

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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: GMT09042402-18A
Client I.D. Number: EXP-3

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/29/09

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	5.0 µg/L	60 1,2,4-Trimethylbenzene	ND	1.0 µg/L
17 2-Butanone (MEK)	ND	10 µg/L	61 sec-Butylbenzene	ND	1.0 µg/L
18 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	62 1,3-Dichlorobenzene	ND	1.0 µg/L
19 cis-1,2-Dichloroethene	ND	1.0 µg/L	63 1,4-Dichlorobenzene	ND	1.0 µg/L
20 Bromochloromethane	ND	1.0 µg/L	64 4-Isopropyltoluene	ND	1.0 µg/L
21 Chloroform	ND	1.0 µg/L	65 1,2-Dichlorobenzene	ND	1.0 µg/L
22 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	66 n-Butylbenzene	ND	1.0 µg/L
23 2,2-Dichloropropane	ND	1.0 µg/L	67 1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0 µg/L
24 1,2-Dichloroethane	ND	0.50 µg/L	68 1,2,4-Trichlorobenzene	ND	2.0 µg/L
25 1,1,1-Trichloroethane	ND	1.0 µg/L	69 Naphthalene	ND	10 µg/L
26 1,1-Dichloropropene	ND	1.0 µg/L	70 1,2,3-Trichlorobenzene	ND	2.0 µg/L
27 Carbon tetrachloride	ND	1.0 µg/L	71 Surr: 1,2-Dichloroethane-d4	89	(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	109	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
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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YB

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

ANALYTICAL REPORT

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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: GMT09042402-19A
Client I.D. Number: EB-8

Sampled: 04/23/09
Received: 04/24/09
Analyzed: 04/30/09

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	97	(70-130) %REC
30 Dibromomethane	ND	1.0 µg/L			
31 1,2-Dichloropropane	ND	1.0 µg/L			
32 Trichloroethene	ND	1.0 µg/L			
33 Bromodichloromethane	ND	1.0 µg/L			
34 4-Methyl-2-pentanone (MIBK)	ND	10 µg/L			
35 cis-1,3-Dichloropropene	ND	0.50 µg/L			
36 trans-1,3-Dichloropropene	ND	0.50 µg/L			
37 1,1,2-Trichloroethane	ND	1.0 µg/L			
38 Toluene	ND	0.50 µg/L			
39 1,3-Dichloropropane	ND	1.0 µg/L			
40 2-Hexanone	ND	5.0 µg/L			
41 Dibromochloromethane	ND	1.0 µg/L			
42 1,2-Dibromoethane (EDB)	ND	2.0 µg/L			
43 Tetrachloroethene	ND	1.0 µg/L			
44 1,1,1,2-Tetrachloroethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

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

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.

YPS

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: GMT09042402

Project: KMEP Norwalk

Alpha's Sample ID	Client's Sample ID	Matrix	pH
09042402-01A	GMW-37	Aqueous	2
09042402-02A	MW-8	Aqueous	2
09042402-03A	DUP-6	Aqueous	2
09042402-04A	GMW-SF-8	Aqueous	2
09042402-05A	GMW-0-16	Aqueous	2
09042402-06A	GMW-0-19	Aqueous	2
09042402-07A	GMW-0-18	Aqueous	2
09042402-08A	MW-SF-9	Aqueous	2
09042402-09A	GMW-13	Aqueous	2
09042402-10A	GMW-4	Aqueous	2
09042402-11A	PZ-5	Aqueous	2
09042402-12A	GMW-14	Aqueous	2
09042402-13A	MW-9	Aqueous	2
09042402-14A	TB-6	Aqueous	2
09042402-15A	EB-7	Aqueous	2
09042402-16A	DUP-5	Aqueous	2
09042402-17A	DUP-4	Aqueous	2
09042402-18A	EXP-3	Aqueous	2
09042402-19A	EB-8	Aqueous	2

5/4/09

Report Date



Alpha Analytical, Inc.

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

Date:
28-Apr-09

QC Summary Report

Work Order:
09042402

Method Blank

File ID: 19	Type MBLK	Test Code: EPA Method 300.0 / 9056								
Sample ID: MB-21871	Units : mg/L	Batch ID: 21871A				Analysis Date: 04/24/2009 09:50				
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

File ID: 20	Type LFB	Test Code: EPA Method 300.0 / 9056								
Sample ID: LFB-21871	Units : mg/L	Batch ID: 21871A				Analysis Date: 04/24/2009 10:08				
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

File ID: 25	Type LFM	Test Code: EPA Method 300.0 / 9056								
Sample ID: 09042440-02ALFM	Units : mg/L	Batch ID: 21871A				Analysis Date: 04/24/2009 11:41				
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

File ID: 26	Type LFMD	Test Code: EPA Method 300.0 / 9056								
Sample ID: 09042440-02ALFMD	Units : mg/L	Batch ID: 21871A				Analysis Date: 04/24/2009 11:59				
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.



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Date:
28-Apr-09

QC Summary Report

Work Order:
09042402

Method Blank

File ID: 19	Type MBLK	Test Code: EPA Method 300.0 / 9056								
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								
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								
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								
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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Date:
28-Apr-09

QC Summary Report

Work Order:
09042402

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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Date:
28-Apr-09

QC Summary Report

Work Order:
09042402

Method Blank

File ID: 042209.B\070SMPL.D\

Type **MBLK** Test Code: **EPA Method 200.8**

Batch ID: 21870

Analysis Date: 04/23/2009 18:35

Sample ID: MB-21870

Units : mg/L

Run ID: ICP/MS_090423C

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
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Manganese (Mn), Dissolved	ND	0.005								
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Laboratory Control Spike

File ID: 042209.B\070L.D\

Type **LCS** Test Code: **EPA Method 200.8**

Batch ID: 21870

Analysis Date: 04/24/2009 12:02

Sample ID: LCS-21870

Units : mg/L

Run ID: ICP/MS_090423C

Prep Date: 04/23/2009

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
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Manganese (Mn), Dissolved	0.0455	0.005	0.05		91	83	120			
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Sample Matrix Spike

File ID: 042209.B\075SMPL.D\

Type **MS** Test Code: **EPA Method 200.8**

Batch ID: 21870

Analysis Date: 04/23/2009 19:04

Sample ID: 09042201-14AMS

Units : mg/L

Run ID: ICP/MS_090423C

Prep Date: 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			
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Sample Matrix Spike Duplicate

File ID: 042209.B\076SMPL.D\

Type **MSD** Test Code: **EPA Method 200.8**

Batch ID: 21870

Analysis Date: 04/23/2009 19:09

Sample ID: 09042201-14AMSD

Units : mg/L

Run ID: ICP/MS_090423C

Prep Date: 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:

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.



Alpha Analytical, Inc.

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Date:
03-May-09

QC Summary Report

Work Order:
09042402

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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Date:
03-May-09

QC Summary Report

Work Order:
09042402

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015 / E							
File ID:			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

Laboratory Control Spike		Type	Test Code: EPA Method SW8015 / E							
File ID:			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

Sample Matrix Spike		Type	Test Code: EPA Method SW8015 / E							
File ID:			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

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015 / E							
File ID:			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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Date:
03-May-09

QC Summary Report

Work Order:
09042402

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090428\09042807.D		MBLK	Batch ID: MS07W0428B		Analysis Date: 04/28/2009 18:22					
Sample ID: MBLK MS07W0428B	Units : mg/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
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

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090428\09042803.D		LCS	Batch ID: MS07W0428B		Analysis Date: 04/28/2009 16:51					
Sample ID: GLCS MS07W0428B	Units : mg/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
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

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090428\09042813.D		MS	Batch ID: MS07W0428B		Analysis Date: 04/28/2009 20:38					
Sample ID: 09042402-01AGS	Units : mg/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
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

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090428\09042814.D		MSD	Batch ID: MS07W0428B		Analysis Date: 04/28/2009 21:00					
Sample ID: 09042402-01AGSD	Units : mg/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
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			

Comments:

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Date:
03-May-09

QC Summary Report

Work Order:
09042402

Method Blank

Method Blank		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090429\09042923.D		MBLK	Batch ID: MS07W0429B		Analysis Date: 04/30/2009 00:05					
Sample ID: MBLK MS07W0429B	Units : mg/L		Run ID: MSD_07_090429B		Prep Date: 04/30/2009					
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	0.00973		0.01		97	70	130			
Surr: Toluene-d8	0.0101		0.01		101	70	130			
Surr: 4-Bromofluorobenzene	0.00958		0.01		96	70	130			

Laboratory Control Spike

Laboratory Control Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090429\09042918.D		LCS	Batch ID: MS07W0429B		Analysis Date: 04/29/2009 22:11					
Sample ID: GLCS MS07W0429B	Units : mg/L		Run ID: MSD_07_090429B		Prep Date: 04/29/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	0.383	0.05	0.4		96	70	130			
Surr: 1,2-Dichloroethane-d4	0.01		0.01		100	70	130			
Surr: Toluene-d8	0.01		0.01		100	70	130			
Surr: 4-Bromofluorobenzene	0.00946		0.01		95	70	130			

Sample Matrix Spike

Sample Matrix Spike		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090429\09042928.D		MS	Batch ID: MS07W0429B		Analysis Date: 04/30/2009 01:58					
Sample ID: 09042203-01AGS	Units : mg/L		Run ID: MSD_07_090429B		Prep Date: 04/30/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.62	0.25	2	0	81	58	135			
Surr: 1,2-Dichloroethane-d4	0.0489		0.05		98	70	130			
Surr: Toluene-d8	0.0497		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0478		0.05		96	70	130			

Sample Matrix Spike Duplicate

Sample Matrix Spike Duplicate		Type	Test Code: EPA Method SW8015B							
File ID: C:\HPCHEM\MMS07\DATA\090429\09042929.D		MSD	Batch ID: MS07W0429B		Analysis Date: 04/30/2009 02:20					
Sample ID: 09042203-01AGSD	Units : mg/L		Run ID: MSD_07_090429B		Prep Date: 04/30/2009					
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	1.8	0.25	2	0	90	58	135	1.623	10.1(20)	
Surr: 1,2-Dichloroethane-d4	0.0483		0.05		97	70	130			
Surr: Toluene-d8	0.0496		0.05		99	70	130			
Surr: 4-Bromofluorobenzene	0.0481		0.05		96	70	130			

Comments:

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



Alpha Analytical, Inc.

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

Date:
03-May-09

QC Summary Report

Work Order:
09042402

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			



Alpha Analytical, Inc.

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

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

Date:
03-May-09

QC Summary Report

Work Order:
09042402

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:
03-May-09

QC Summary Report

Work Order:
09042402

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	9.73		10		97	70	130		
Surr: Toluene-d8	10.1		10		101	70	130		
Surr: 4-Bromofluorobenzene	9.58		10		96	70	130		

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS07\DATA\090429\09042920.D**

Batch ID: **MS07W0429A**

Analysis Date: **04/29/2009 22:57**

Sample ID: **LCS MS07W0429A**

Units: **µg/L**

Run ID: **MSD_07_090429B**

Prep Date: **04/29/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.59	1	10		96	80	120			
Methyl tert-butyl ether (MTBE)	9.73	0.5	10		97	62	136			
Benzene	9.33	0.5	10		93	70	130			
Trichloroethene	9.94	1	10		99	70	130			
Toluene	9.56	0.5	10		96	80	120			
Chlorobenzene	10.6	1	10		106	70	130			
Ethylbenzene	10.1	0.5	10		101	80	120			
m,p-Xylene	10	0.5	10		100	70	130			
o-Xylene	10.2	0.5	10		102	70	130			
Surr: 1,2-Dichloroethane-d4	9.97		10		99.7	70	130			
Surr: Toluene-d8	9.82		10		98	70	130			
Surr: 4-Bromofluorobenzene	8.92		10		89	70	130			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS07\DATA\090429\09042926.D**

Batch ID: **MS07W0429A**

Analysis Date: **04/30/2009 01:13**

Sample ID: **09042203-01AMS**

Units: **µg/L**

Run ID: **MSD_07_090429B**

Prep Date: **04/30/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	42.7	2.5	50		85	60	130			
Methyl tert-butyl ether (MTBE)	44.9	1.3	50		90	56	141			
Benzene	43.6	1.3	50		87	67	130			
Trichloroethene	43.7	2.5	50		87	69	130			
Toluene	43.1	1.3	50		86	66	130			
Chlorobenzene	48.2	2.5	50		96	70	130			
Ethylbenzene	45.4	1.3	50		91	68	130			
m,p-Xylene	44.3	1.3	50		89	64	130			
o-Xylene	46.2	1.3	50		92	70	130			
Surr: 1,2-Dichloroethane-d4	51.5		50		103	70	130			
Surr: Toluene-d8	48.8		50		98	70	130			
Surr: 4-Bromofluorobenzene	44.7		50		89	70	130			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS07\DATA\090429\09042927.D**

Batch ID: **MS07W0429A**

Analysis Date: **04/30/2009 01:35**

Sample ID: **09042203-01AMSD**

Units: **µg/L**

Run ID: **MSD_07_090429B**

Prep Date: **04/30/2009**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	42.2	2.5	50		84	60	130	42.74	1.4(20)	
Methyl tert-butyl ether (MTBE)	47.4	1.3	50		95	56	141	44.85	5.6(20)	
Benzene	43.3	1.3	50		87	67	130	43.56	0.7(20)	
Trichloroethene	42.8	2.5	50		86	69	130	43.72	2.0(20)	
Toluene	43.4	1.3	50		87	66	130	43.08	0.7(20)	
Chlorobenzene	49.1	2.5	50		98	70	130	48.19	1.9(20)	
Ethylbenzene	45.3	1.3	50		91	68	130	45.44	0.4(20)	
m,p-Xylene	44.2	1.3	50		88	64	130	44.3	0.2(20)	
o-Xylene	46.5	1.3	50		93	70	130	46.23	0.6(20)	
Surr: 1,2-Dichloroethane-d4	49.9		50		99.8	70	130			
Surr: Toluene-d8	49.1		50		98	70	130			
Surr: 4-Bromofluorobenzene	45		50		90	70	130			



Alpha Analytical, Inc.

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

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

Date:

03-May-09

QC Summary Report

Work Order:

09042402

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 #:	211711	Location:	GMT09042402
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Batch#:	150406
Field ID:	PZ-5	Sampled:	04/23/09
Matrix:	Water	Received:	04/25/09
Units:	mg/L	Analyzed:	04/28/09

Type	Lab ID	Result	RL	Diln Fac
SAMPLE	211711-001	170	10	10.00
BLANK	QC493589	ND	1.0	1.000

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Dissolved CO2 by GC TCD			
Lab #:	211711	Location:	GMT09042402
Client:	Alpha Analytical, Inc.	Prep:	METHOD
Project#:	STANDARD	Analysis:	RSK-175
Analyte:	Carbon Dioxide	Diln Fac:	1.000
Matrix:	Water	Batch#:	150406
Units:	mg/L	Analyzed:	04/28/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC493590	1.799	1.908	106	62-129		
BSD	QC493591	1.799	1.813	101	62-129	5	32

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

AMENDED #2
Page 2 of 4

Alpha Analytical, Inc.

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

WorkOrder : GMTC09042402
Report Due By : 5:00 PM On : 05-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 4 °C Samples Received 24-Apr-2009 Date Printed 29-Apr-2009

Client: AMEC Geomatrix Consultants
510 Superior Avenue, Suite 200
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 Alpha Sub	TAT	Requested Tests		Sample Remarks
					TPHP_W	VOC_W	
GMT09042402-01A	GMW-37	AQ 04/23/09 13:20	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-02A	MMW-8	AQ 04/23/09 11:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-03A	DUP-6	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-04A	GMW-SF-8	AQ 04/23/09 10:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-05A	GMW-0-16	AQ 04/23/09 10:10	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-06A	GMW-0-19	AQ 04/23/09 09:35	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-07A	GMW-0-18	AQ 04/23/09 08:50	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-08A	MMW-SF-9	AQ 04/23/09 13:05	6	0	7	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPHP/P/fp from -14A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Logged in by: Elizabeth Adcox Signature: [Signature] Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-27-09 9:25

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

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 : GMT09042402
Report Due By : 5:00 PM On : 05-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

24-Apr-2009

29-Apr-2009

QC Level : S3

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

Job : KMEP Norwalk

PO :

Newport Beach, CA 92663-3627

Alpha

Client

Collection

No. of Bottles

Requested Tests

Sample Remarks

Alpha Sample ID	Client Sample ID	Matrix	Date	Alpha	Sub	TAT	300_0(A)_W	300_0(B)_W	3500F_E_20_S_W	ALKALINITY_Y_W	CO2_FREE	METALS_D	METHANE_W	TPHE_W
GMT09042402-09A	GMMW-13	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-10A	GMMW-4	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-11A	PZ-5	AQ	04/23/09	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +VinyI acetate
GMT09042402-12A	GMMW-14	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-13A	MMW-9	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-14A	TB-6	AQ	04/23/09	2	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-15A	EB-7	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-16A	DUP-5	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate
GMT09042402-17A	DUP-4	AQ	04/23/09	6	0	7								TPHE(0.10) +VinyI acetate

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPH/P/fp from: -14A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Signature

Print Name

Company

Date/Time

Logged in by: *Elizabeth Aldcox*

Elizabeth Aldcox

Alpha Analytical, Inc.

4-29-09 9:25

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

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

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 : GMTC09042402
Report Due By : 5:00 PM On : 05-May-2009

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

Report Attention

Show -Whei Chou (949) 642-0245 x show-whei.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 24-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	Collection Matrix Date	No. of Bottles Alpha Sub	TAT	Requested Tests		Sample Remarks
					TPHP_W +Vinyl acetate	VOC_W +Vinyl acetate	
GMT09042402-09A	GMMW-13	AQ 04/23/09 11:45	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-10A	GMMW-4	AQ 04/23/09 10:15	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-11A	PZ-5	AQ 04/23/09 08:25	13	2	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-12A	GMMW-14	AQ 04/23/09 09:40	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-13A	MW-9	AQ 04/23/09 10:50	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-14A	TB-6	AQ 04/23/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 7/21/08
GMT09042402-15A	EB-7	AQ 04/23/09 13:15	6	0	7	TPHE(0.10) +Vinyl acetate	
GMT09042402-16A	DUP-5	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	

Comments:

Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subdued to Curtis & Tompkins. Amended 4/24/09 @ 13:02: Per Alex Padilla deleted TPHP/Fp from : -14A. EA Amended 4/29/09: Added OXY's to all samples due to login error. EA

Logged in by:

Elizabeth Adams

Signature

Elizabeth Adams

Print Name

Alpha Analytical, Inc.

Company

Date/Time

4-29-09 9:25

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

The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report. Matrix Type : AQ(Aqueous) AR(Air) SQ(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 : GMTTC09042402
Report Due By : 5:00 PM On : 05-May-2009

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

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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

PO :
 Clients COC # : none
 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 Alpha Sub	TAT	TPHP_W	VOC_W	Requested Tests	Sample Remarks
GMT09042402-17A	DUP-4	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vmd acetate	TPHE(0.10) +Vmd acetate	
GMT09042402-18A	EXP-3	AQ 04/23/09 13:55	5	0	7	TPHE(0.10) +Vmd acetate	TPHE(0.10) +Vmd acetate	1 HCl voa received broken.
GMT09042402-19A	EB-8	AQ 04/23/09 14:00	6	0	7	TPHE(0.10) +Vmd acetate	TPHE(0.10) +Vmd acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPHP/P/bp from : -14A. EA Amended 4/29/09. Added OXY's to all samples due to login error. EA

Logged in by: Elizabeth Adams Signature: Elizabeth Adams Print Name: Elizabeth Adams Company: Alpha Analytical, Inc. Date/Time: 4-29-09 9:25

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

Elizabeth Adcox

From: Padilla, Alex L [Alex.Padilla@amec.com]
Sent: Friday, April 24, 2009 11:02 AM
To: Elizabeth Adcox
Cc: Chou, Shioh-Whei
Subject: RE: GMT09042402 Sample Receipt Checklist

Elizabeth,

I'm glad to hear that you were able to make the hold times for the late cooler. On the latest COC (GMT09042402) please remove 8015M analysis from sample TB-6. Everything else looks ok except for another broken VOA. If I'm reading these COCs right, the broken VOAs are coming in when a whole day's samples are being shipped in one cooler – do you think this is the cause of the breakage?

Alex Padilla
Staff Engineer
AMEC Geomatrix, Inc.
510 Superior Avenue, Suite 200
Newport Beach, CA 92663

Main: (949) 642-0245
Fax: (949) 642-4474
Direct: (949) 722-4122
Cellular: (714) 328-8215
E-Mail: alex.padilla@amec.com

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From: Chou, Shioh-Whei
Sent: Friday, April 24, 2009 11:39 AM
To: Padilla, Alex L
Subject: FW: GMT09042402 Sample Receipt Checklist

fyi

Shioh-Whei

From: Elizabeth Adcox [mailto:eadcox@alpha-analytical.com]
Sent: Friday, April 24, 2009 12:30 PM
To: Chou, Shioh-Whei
Cc: Phyu, Thandar
Subject: GMT09042402 Sample Receipt Checklist

Elizabeth Sauvageau
Sample Custodian
Alpha Analytical Inc.
1-800-283-1183 ext.111

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4/24/2009

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Alpha Analytical, Inc.

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

SUB CHAIN-OF-CUSTODY RECORD

Work Order : GMT09042402

*Please reference the Work Order number on all reports and invoices.
 *Also please include the dates of analysis and detection limits.
 Please send the report to Alpha Analytical (Sparks).
 Attention To Reyna Vallejo (reyna@alpha-analytical.com).

Report Due By : 5:00 PM

On : 05-May-09

Subcontractor:

Curtis & Tompkins
 2323 5th Street
 Berkeley, CA 94710

Required QC:
 Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Sampled by : T. Rhymes, B. Barker

24-Apr-2009

TEL: (510) 486-0900
 FAX: (510) 486-0532
 Acct #:

Alpha's Sample ID	Client's Sample ID	Matrix	Collection Date	Type (#) of Bottles Preserved Other	Requested Tests	Sample Comments
GMT09042402-11A	PZ-5	Aqueous	04/23/09 08:25	VQA-U (2)	SM4500 CO2 Free (Dss)	

Comments:

Relinquished by: <i>Empatha Adcox</i>	Date/Time	Received by:	Date/Time
Relinquished by:		Received by:	

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA AMENDED

Alpha Analytical, Inc.

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

WorkOrder : GMT09042402
Report Due By : 5:00 PM On : 05-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 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

24-Apr-2009

24-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	
					300_0(A)_W_300_0(B)_W_3500FE_20	ALKALINITY_W	CO2_FREE_Y_W	METALS_D_S	METHANE_W		TPHE_W
GMT09042402-01A	GMW-37	AQ 04/23/09 13:20	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-02A	MW-8	AQ 04/23/09 11:40	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-03A	DUP-6	AQ 04/23/09 00:00	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-04A	GMW-SF-8	AQ 04/23/09 10:40	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-05A	GMW-0-16	AQ 04/23/09 10:10	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-06A	GMW-0-19	AQ 04/23/09 09:35	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-07A	GMW-0-18	AQ 04/23/09 08:50	6	0	7						TPHE(0.10) +Vinyl acetate
GMT09042402-08A	MW-SF-9	AQ 04/23/09 13:05	6	0	7						TPHE(0.10) +Vinyl acetate

Comments: Security seals intact. Frozen ice. Analysis: 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 4/24/09 @ 13:02. Per Alex Padilla deleted TPH/P/fp from : -14A. EA

Signature

Print Name

Company

Date/Time

Logged in by:

Elizabeth Alder

Elizabeth Alder

Alpha Analytical, Inc.

4-24-09 1306

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

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA AMENDED

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

WorkOrder : GMTC09042402
Report Due By : 5:00 PM On : 05-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 24-Apr-2009 24-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	
GMT09042402-01A	GMW-37	AQ 04/23/09 13:20	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-02A	NW-8	AQ 04/23/09 11:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-03A	DUP-6	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-04A	GMW-SF-8	AQ 04/23/09 10:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-05A	GMW-0-16	AQ 04/23/09 10:10	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-06A	GMW-0-19	AQ 04/23/09 09:35	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-07A	GMW-0-18	AQ 04/23/09 08:50	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-08A	MW-SF-9	AQ 04/23/09 13:05	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPHP/P/B from -14A. EA

Logged in by: Elizabeth Alder Signature Elizabeth Alder Print Name Elizabeth Alder Company Alpha Analytical, Inc. Date/Time 4-24-09 1306

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA AMENDED

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

WorkOrder : GMT09042402
Report Due By : 5:00 PM On : 05-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

Job : KMEP Norwalk **QC Level :** S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Client's COC # : none

Cooler Temp **Samples Received** **Date Printed**
 4 °C 24-Apr-2009 24-Apr-2009

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests							Sample Remarks					
							300_0(A)_L_W	300_0(B)_L_W	3500FE_20_S_W	ALKALINITY_W	CO2_FREE	METALS_D_S	METHANE_W		TPHE_W				
GMT09042402-09A	GMW-13	AQ	04/23/09 11:45	6	0	7													
GMT09042402-10A	GMW-4	AQ	04/23/09 10:15	6	0	7													
GMT09042402-11A	PZ-5	AQ	04/23/09 08:25	13	2	7	NO2, NO3, SO4	NO2, NO3, SO4	FE+2	ALK	CO2 Free (Diss)	Mn	CH4	TPHE(0.10) +Vinyl acetate					
GMT09042402-12A	GMW-14	AQ	04/23/09 09:40	6	0	7								TPHE(0.10) +Vinyl acetate					
GMT09042402-13A	MW-9	AQ	04/23/09 10:50	6	0	7								TPHE(0.10) +Vinyl acetate					
GMT09042402-14A	TB-6	AQ	04/23/09 07:00	2	0	7													Reno Trip Blank 7/21/08
GMT09042402-15A	EB-7	AQ	04/23/09 13:15	6	0	7								TPHE(0.10) +Vinyl acetate					
GMT09042402-16A	DUP-5	AQ	04/23/09 00:00	6	0	7								TPHE(0.10) +Vinyl acetate					
GMT09042402-17A	DUP-4	AQ	04/23/09 00:00	6	0	7								TPHE(0.10) +Vinyl acetate					

Comments: Security seals intact. Frozen ice. Analysis: 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 4/24/09 @ 13:02. Per Alex Padilla deleted TPH/P from: -14A. EA

Logged in by: *Campboth* *Alex* **Signature** **Print Name** **Company** **Date/Time**
 Elizabeth Alex Alpha Analytical, Inc. 4:24:09 1306

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA **AMENDED**
Page 2 of 4

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

WorkOrder : GMTC09042402
Report Due By : 5:00 PM On : 05-May-2009

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

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 4 °C Samples Received 24-Apr-2009 Date Printed 24-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	
GMT09042402-09A	GMW-13	04/23/09 11:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-10A	GMW-4	04/23/09 10:15	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-11A	PZ-5	04/23/09 08:25	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-12A	GMW-14	04/23/09 09:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-13A	MW-9	04/23/09 10:50	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-14A	TB-6	04/23/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	Reno Trip Blank 7/21/08
GMT09042402-15A	EB-7	04/23/09 13:15	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-16A	DUP-5	04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPHP/P from : -14A. EA

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-24-09 13010

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
Log of Re

Alpha Analytical, Inc.

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

WorkOrder : GMT09042402
Report Due By : 5:00 PM On : 05-May-2009

Client:

AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200

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

Newport Beach, CA 92663-3627

Sampled by : T. Rhymes, B. Barker

Cooler Temp Samples Received Date Printed

4 °C 24-Apr-2009 24-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	
GMT09042402-17A	DUP-4	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetic	TPHE(0.10) +Vinyl acetic	
GMT09042402-18A	EXP-3	AQ 04/23/09 13:55	5	0	7	TPHE(0.10) +Vinyl acetic	TPHE(0.10) +Vinyl acetic	1 HCl voa received broken.
GMT09042402-19A	EB-8	AQ 04/23/09 14:00	6	0	7	TPHE(0.10) +Vinyl acetic	TPHE(0.10) +Vinyl acetic	

Comments: Security seals intact. Frozen ice. Analysts: Run two analyses in order to achieve lower reporting limits for all other analytes due to high TBA values. CO2 subbed to Curtis & Tompkins. Amended 4/24/09 @ 13:02. Per Alex Padilla deleted TPHP/P from : -14A. EA

Signature

Elizabeth Aldcox

Print Name

Elizabeth Aldcox

Company

Alpha Analytical, Inc.

Date/Time

4/24/09 1306

Logged in by:

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

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

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.

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

WorkOrder : GMT09042402

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

4 °C

Samples Received

24-Apr-2009

Date Printed

24-Apr-2009

PO :

Client's COC # : none

Job : KMEP Norwalk

OC 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 +Vinyl acetate	VOC_w +Vinyl acetate	
GMT09042402-01A	GMW-37	04/23/09 13:20	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-02A	NW-8	04/23/09 11:40	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-03A	DUP-6	04/23/09 00:00	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-04A	GMW-SF-8	04/23/09 10:40	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-05A	GMW-0-16	04/23/09 10:10	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-06A	GMW-0-19	04/23/09 09:35	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-07A	GMW-0-18	04/23/09 08:50	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	
GMT09042402-08A	MW-SF-9	04/23/09 13:05	6 0 7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate	

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

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4-24-09 10:27

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

Billing Information :

CHAIN-OF-CUSTODY RECORD

Page: 4 of 4

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

CA

WorkOrder : GMT09042402
 Report Due By : 5:00 PM On : 05-May-2009

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 24-Apr-2009 24-Apr-2009

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

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

Job : KMEP Norwalk

QC Level : S3

Alpha Sample ID	Client Sample ID	Collection Matrix Date	No. of Bottles Alpha	Sub	TAT	TPHP_W	VOC_W	Requested Tests	Sample Remarks
GMT09042402-09A	GMMW-13	AQ 04/23/09 11:45	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-10A	GMMW-4	AQ 04/23/09 10:15	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-11A	PZ-5	AQ 04/23/09 08:25	13	2	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-12A	GMMW-14	AQ 04/23/09 09:40	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-13A	MW-9	AQ 04/23/09 10:50	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-14A	TB-6	AQ 04/23/09 07:00	2	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		Reno Trip Blank 7/21/08
GMT09042402-15A	EB-7	AQ 04/23/09 13:15	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-16A	DUP-5	AQ 04/23/09 00:00	6	0	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		

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

Logged in by: Elizabeth Adcox Signature: Elizabeth Adcox Print Name: Elizabeth Adcox Company: Alpha Analytical, Inc. Date/Time: 4:24:09 1023

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 : GMT09042402

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

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

EDD Required : Yes

Sampled by : T. Rhymes, B. Barker

Cooler Temp 4 °C Samples Received 24-Apr-2009 Date Printed 24-Apr-2009

Client: AMEC Geomatrix Consultants
 510 Superior Avenue, Suite 200
 Newport Beach, CA 92663-3627
 PO :
 Clients COC # : none
 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 Alpha Sub	TAT	Requested Tests			Sample Remarks
					TPHP_W +Vinyl acetate	VOC_W +Vinyl acetate		
GMT09042402-17A	DUP-4	04/23/09 00:00	6	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		
GMT09042402-18A	EXP-3	04/23/09 13:55	5	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		1 HCl voa received broken.
GMT09042402-19A	EB-8	04/23/09 14:00	6	7	TPHE(0.10) +Vinyl acetate	TPHE(0.10) +Vinyl acetate		

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

Logged in by: Thandar Phyu Signature: [Signature] Print Name: Elizabeth Adams Company: Alpha Analytical, Inc. Date/Time: 4:24:09 10/23

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

BLAINE

TECH SERVICES, INC.

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

CONDUCT ANALYSIS TO DETECT

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

Alpha Analytical COC 2 of 2

CHAIN OF CUSTODY

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

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

SAMPLE ID.	DATE	TIME	MATRIX AQ = Water	#	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)	ADDITIONAL INFORMATION	STATUS	CONDITION	LAB SAMPLE #
					Preservation	Type												
P2-S	4-23-09	0825	AQ	15	HC	VOR	X	X	X	X	X	X	X	X				-11
GMM-14		0940		6			X	X										-12
MM-9		1050		6			X	X										-13
TR-6		0700		2			X	X										-14
EB-7		1315		6			X	X										-15
DUP-5				6			X	X										-16
DUP-4				6			X	X										-17
EXP-3		1355		6			X	X										-18
EB-8		1400		6			X	X										-19

RESULTS NEEDED: Standard

RELEASED BY: *TKB* DATE: 4-23-09 TIME: 1530 RECEIVED BY: *TKB* DATE: 4-23-09 TIME: 1530
 RELEASED BY: *TKB* DATE: 4-23-09 TIME: 1530 RECEIVED BY: *Emabeth Adcox* DATE: 4-24-09 TIME: 1023

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