RECEIVED

3:15 pm, Nov 23, 2011

Alameda County
Environmental Health

Date: 11-22-2011

Subject: 3200 Santa Rita Road, Pleasanton, California
Fuel Leak Case No. RO~~0003928~~ 0002938

PERJURY STATEMENT

"I declare that to the best of my knowledge at the present time, the information and/or recommendations contained in the attached report are true and correct."

Submitted by Responsible Party:

Jim Gotcher
City of Pleasanton Public Works
P.O. Box 520
Pleasanton, CA 94566

THIRD QUARTER 2011
GROUNDWATER MONITORING REPORT

FIRE STATION NO. 3, SANTA RITA ROAD
PLEASANTON, CALIFORNIA

Submitted to:

Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540

November 18, 2011
Project No. 6621.100.120

- Expect Excellence -

Project No.
6621.100.120

November 18, 2011

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540

Subject: Fire Station No. 3, Santa Rita Road
Pleasanton, California
ACEH Case No. RO0002938

THIRD QUARTER 2011 GROUNDWATER MONITORING REPORT

Reference: ENGEO, Workplan for Installation of Groundwater Monitoring Wells, Fire Station No. 3, Santa Rita Road, Pleasanton, California, December 1, 2010.

Dear Mr. Wickham:

ENGEO prepared this report on behalf of the responsible party, City of Pleasanton Public Works. This report summarizes the recent Third Quarter 2011 groundwater monitoring event completed at the Fire Station No. 3, Santa Rita Road (Site), located at 3200 Santa Rita Road, Pleasanton, California (Figure 1).

GROUNDWATER MONITORING

Groundwater Elevations

ENGEO measured and recorded the depth to groundwater in monitoring Wells MW-1, MW-2, and MW-3 using a portable electronic water level indicator. The depths to groundwater ranged from 57.95 feet below the TOC in onsite Well MW-1 to 53.00 feet below the TOC in Well MW-3. Based on the groundwater elevations, the groundwater flow direction is toward the southwest with a gradient of approximately 0.074 ft/ft (Figure 2). The groundwater elevation data is summarized in Table A.

GROUNDWATER SAMPLING

After recording groundwater depth measurements, we collected groundwater samples from onsite Wells MW-1, MW-2, and MW-3 on September 30, 2011. The groundwater sampling was conducted using the following methodology.

- Purging was accomplished using dedicated, disposable polyethylene bailers. After purging approximately three well casing volumes, groundwater samples were collected using new disposable bailers and transferred to laboratory provided containers.

- A portable field meter was used to record turbidity, pH, temperature, and conductivity measurements during purging.

- Groundwater samples were labeled with an identification number and placed on ice with a chain-of-custody record during transportation to the analytical laboratory.

- The samples were submitted to TestAmerica Laboratories, Inc., in Pleasanton, California for the analysis of total petroleum hydrocarbons as gasoline (TPH-g) by EPA Test Method 8260B; total petroleum hydrocarbons as diesel (TPH-d) and motor oil (TPH-mo) by EPA Test Method 8015B with silica gel cleanup (EPA Method 3630); benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Test Method 8260B, and five fuel oxygenates, including MTBE, TBA, DIPE, TAME, and ETBE by EPA Test Method 8260B.

- Purge water was transferred to a 55-gallon drum pending offsite disposal.

GROUNDWATER ANALYTICAL RESULTS

For the September 2011 sampling event, one target analyte, TPH-mo, was detected in one well, MW-1, at a concentration of 190 micrograms per liter (µg/l). No other detections above laboratory reporting limits were observed. The results are presented in Table B and Figure 3. The laboratory analysis reports are presented in their entirety in Appendix B.

FINDINGS

- The petroleum hydrocarbon concentrations show generally stable or decreased concentrations compared to the February 2011 and June 2011 sampling event. The one TPH-d detected concentration, while relatively low, does exceed the respective Environmental Screening Level (ESLs) promulgated by the San Francisco bay Regional Water Quality Control Board (RWQCB) of 100 µg/l for TPH-d[1]. No benzene, toluene, ethylbenzene, xylene(s) (BTEX) or fuel oxygenates were detected in groundwater.

- We recommend performing a minimum of one additional groundwater monitoring event to confirm the predominant groundwater flow direction and concentration trends. Upon completing four quarterly monitoring events, we can determine whether a no further action (NFA) determination should be requested from ACEH.

1 SFRWQCB ESLs, 2008: Table F-1a – Groundwater Screening Levels where Groundwater is a Potential Drinking Water Source.

LIMITATIONS

We performed our professional services in accordance with generally accepted environmental engineering principles and practices currently employed in Northern California at the time we performed our services. No other warranty is expressed or implied. We limited our investigation to the authorized work scope, which included monitoring of specific groundwater monitoring wells. Our investigation is not intended to be comprehensive, to identify all potential concerns, or to guarantee that no additional environmental contamination beyond that described in this report exists at the site.

Findings in this report are valid as of the day of monitoring. However, changes in groundwater conditions can occur with the passage of time, whether due to natural processes, or human activity on the site, or on surrounding properties. This report applies only for the subject property. We are not responsible for the interpretations of the data in this report made by others. This report does not represent a legal opinion.

If you have any questions regarding this report, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

Jeffrey A. Adams, PhD, PE Shawn Munger, CHG, REAII
jaa/sm/jf:3rdqtr

Attachments: Figure 1: Vicinity Map
Figure 2: Groundwater Elevations – September 2011
Figure 3: Groundwater Analytical Results – September 2011
Table A: Groundwater Elevation Data
Table B: Groundwater Monitoring Well Analytical Data
Appendix A – Well Sampling Logs
Appendix B – Laboratory Analytical Reports and Chain-of-Custody Records

FIGURES

BASE MAP SOURCE: MS STREETS AND TRIPS

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VICINITY MAP

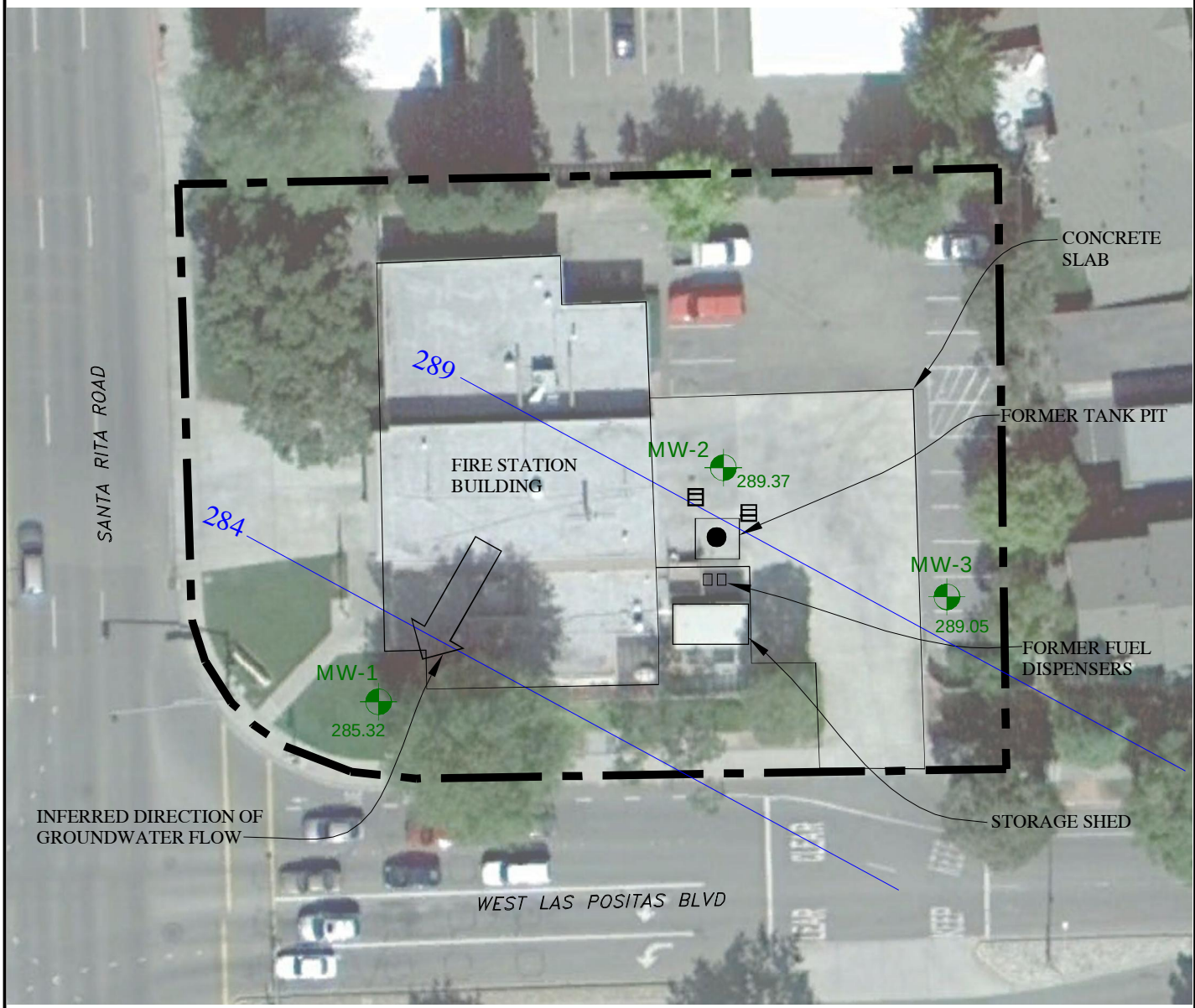
FIRE STATION #3, 3200 SANTA RITA ROAD

PLEASANTON, CALIFORNIA

PROJECT NO.: 6621.100.120		FIGURE NO. 1
DATE: AS SHOWN		
DRAWN BY: SRP	CHECKED BY: SM	

G:\Drafting\DRAFTING2_Dwg\6621\100\100\GroundwaterElevations-9-11-11\6621100120-1-VicinityMap-9-11-1111.dwg 11-18-11 10:32:09 AM spatters

ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

- PROPERTY LINE
- STORM DRAIN INLET
- MW-3 — LOCATION OF PROPOSED MONITORING WELL
- 289.05 — GROUNDWATER ELEVATION (FT-MSL)
- 289 — GROUNDWATER CONTOUR (FT-MSL)

N

0 FEET 40

0 METERS 20

BASE MAP SOURCE: KLEINFELDER, GOOGLE EARTH, 2011

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GROUNDWATER ELEVATIONS - SEPTEMBER 2011

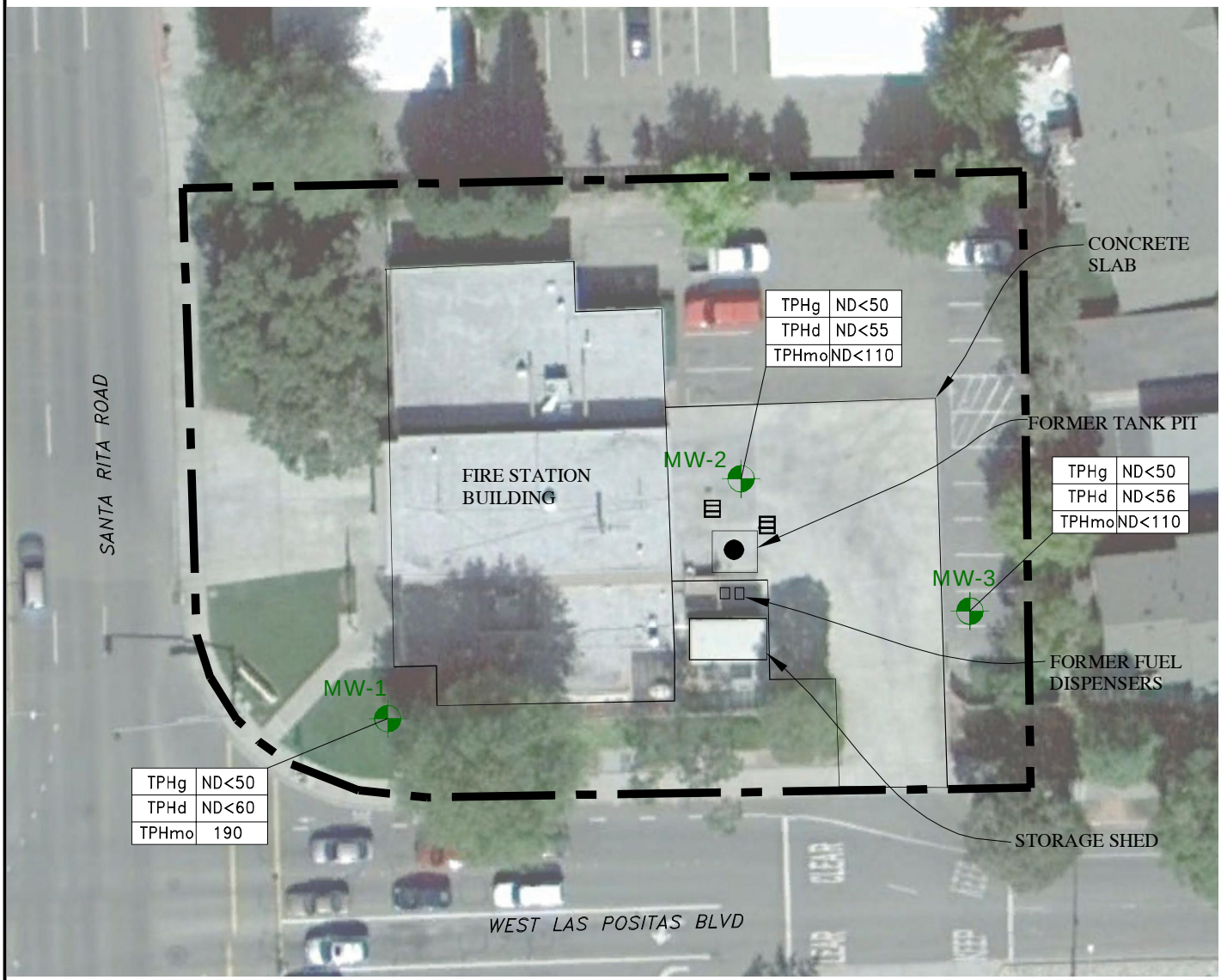
FIRE STATION #3, 3200 SANTA RITA ROAD

PLEASANTON, CALIFORNIA

PROJECT NO.: 6621.100.120	FIGURE NO. 2
DATE: AS SHOWN	
DRAWN BY: SRP	CHECKED BY: SM

C:\Drafting\DRAFTING2_Dwg\6621\100\100\GroundwaterElevations-9-11-11\6621100120-2-GroundwaterElevations-9-11--1111.dwg 11-18-11 11:01:56 AM spatters

ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

- PROPERTY LINE
- STORM DRAIN INLET
- MW-3 — LOCATION OF PROPOSED MONITORING WELL
- TPHg — TOTAL HYDROCARBONS AS GASOLINE CONCENTRATIONS ($\mu g/L$)
- TPHd — TOTAL HYDROCARBONS AS DIESEL CONCENTRATIONS ($\mu g/L$)
- TPHmo — TOTAL HYDROCARBONS AS MOTOR OIL CONCENTRATIONS ($\mu g/L$)
- ND — NON - DETECT CONCENTRATION

N

0 FEET 40
0 METERS 20

BASE MAP SOURCE: KLEINFELDER, GOOGLE EARTH, 2011

ENGEO Expect Excellence

GROUNDWATER ANALYTICAL RESULTS - SEPTEMBER 2011

FIRE STATION #3, 3200 SANTA RITA ROAD

PLEASANTON, CALIFORNIA

PROJECT NO.: 6621.100.120		FIGURE NO. 3
DATE: AS SHOWN		
DRAWN BY: SRP	CHECKED BY: SM	

G:\Drafting\DRAFTING2_Dwg\6621\100\100\GroundwaterElevations-9-11-11\6621100120-3-GroundwaterAnallytical-9-11-1111.dwg 11-18-11 11:03:45 AM spatters

ORIGINAL FIGURE PRINTED IN COLOR

TABLES

Table A - Groundwater Elevation Data
Table B - Groundwater Monitoring Well Analytical Data

TABLE A
Groundwater Elevations
Fire Station #3, 3200 Santa Rita Road
Pleasanton, California

Well Elevation (Ft msl)	MW-1		MW-2		MW-3	
Top of Casing Elevation [2] (feet)	342.2400		342.3700		342.9500	
Date	Depth to Groundwater [1] (ft bgs)	Groundwater Elevation (ft msl)	Depth to Groundwater [1] (ft bgs)	Groundwater Elevation (ft msl)	Depth to Groundwater [1] (ft bgs)	Groundwater Elevation (ft msl)
2/14/2011	56.92	285.32	58.00	284.37	56.62	286.33
6/3/2011	N/M	N/M	N/M	N/M	N/M	N/M
9/30/2011	57.95	284.29	53.00	289.37	53.90	289.05

NOTES:

bgs = Below ground surface

msl = Mean sea level

(1) Depth to groundwater measured from top of well casing.

(2) Well casing elevations (NAV 88)surveyed Summer 2011

N/M - not measured

TABLE B
Groundwater Monitoring Well Analytical Data
Fire Station #3, 3200 Santa Rita Road
Pleasanton, California

Sample ID	Date	Depth to Water	Total Petroleum Hydrocarbons (µg/L)			Benzene	Toulene	Ethylbenzene	Xylene(s)	MTBE	TBA	ETBE	DIPE	TAME
		ft	Gasoline	Diesel	Motor Oil	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	2/14/2011	56.92	ND<50	72	210	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	6/3/2011	N/M	ND<50	ND<58	ND<120	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	9/30/2011	57.95	ND<50	ND<60	190	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
MW-2	2/14/2011	58.00	ND<50	170	520	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	6/3/2011	N/M	ND<50	ND<54	ND<110	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	9/30/2011	53.00	ND<50	ND<55	ND<110	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
MW-3	2/14/2011	56.62	ND<50	ND<61	ND<120	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	6/3/2011	N/M	ND<50	ND<56	ND<110	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5
	9/30/2011	53.90	ND<50	ND<56	ND<110	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<4	ND<0.5	ND<0.5	ND<0.5

NOTES:
N/M - not measured
Samples have undergone silica gel cleanup unless otherwise noted.
µg/L = micrograms per liter

APPENDIX A

Well Sampling Logs

MONITORING WELL FIELD SAMPLING LOG

ENGEO INCORPORATED

Project:	Pleasanton Fire Station #3	**Well ID**	**MW-1**
Project No.	6621.100.120		
Location:	3600 Santa Rita Road		
Technician:	Richard Gandolfo		
Activity:	■ Quarterly Sampling	☐ Develop/Sample	

WELL SECURITY

Date 9/30/2011

Well Box Set in Concrete?	Yes	**Comments**
Box Cover Equipped With Bolts and Gasket?	Yes	
Well Casing Equipped With Well Seal and Lock?	No	

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date 9/30/2011

Well Type ■ Monitoring ☐ Extraction Well with Pump ☐ Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	59.4	(Enter measurements for wells with free product history)	
DTW = Depth to Water	57.95	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	1.45	DTFP (fbtoc) _____	2" = 0.17
WCV (gal)	0.25	DTW (fbtoc) _____	4" = 0.66
3 X WCV (Purge Vol)	**0.74**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date 9/30/2011

Purging:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	**Comments**	
Sampling:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	☐ Other _____	
Decon:	Was purge pump decontaminated before and after this use?		☐ Yes	☐ No	
	Decon Product:	☐ TSP/Alconox	Decon Rinse:		

PURGE WATER STORAGE/DISPOSAL (For Last Well Sampled Only)

Date

Drums Onsite Arrival	0	Drums All Labeled?	Yes		
Drums Used This Event	< 1/2	Drums Leaking?	No		Gallons
Total Drums Onsite Now	0	Purge Water Processed Through GWTS?		Yes	No

PHYSICAL PARAMETERS

Date

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (mS/cm)	DO	Salinity (%)	Turbidity (NTU)	Other
14:15	0.5	18.1	7.09	1.96	N/A	N/A	700	
14:30	1	18	7.1	1.96	N/A	N/A	522	

☐ Sample collected through groundwater treatment system using active extraction pump; no purging required.

LABORATORY ANALYSIS

Number/Type Containers	3	VOA's	2	1-liter Ambers	0	500ml Plastic
Preservative:	HCl					
Analysis:	TPH-g w/BTEX; TPH-d, m.o., Fuel Oxygenates					
Laboratory/TAT:	Test America/ 5-day					

DTW = Depth to Water

BOC = Bottom of Well Casing

DTFP = Depth to Free Product

FPT = Free Product Thickness

fbtoc = feet below top of casing

WC = Water Column Height

WCV = Water Column Volume (gallons) = WC X WCV Factor

MONITORING WELL FIELD SAMPLING LOG

ENGEO INCORPORATED

Project:	Pleasanton Fire Station #3	**Well ID**	**MW-2**
Project No.	6621.100.120		
Location:	3600 Santa Rita Road		
Technician:	Richard Gandolfo		
Activity:	■ Quarterly Sampling	☐ Develop/Sample	

WELL SECURITY — Date: 9/30/2011

Well Box Set in Concrete?	Yes	**Comments**
Box Cover Equipped With Bolts and Gasket?	Yes	
Well Casing Equipped With Well Seal and Lock?	No	

WELL CONSTRUCTION AND WATER LEVEL DETAILS — Date: 9/30/2011

Well Type: ■ Monitoring ☐ Extraction Well with Pump ☐ Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	73.8	(Enter measurements for wells with free product history)	
DTW (fbtoc)	53	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	20.8	DTFP (fbtoc) _____	2" = 0.17
WCV (gal)	3.54	DTW (fbtoc) _____	4" = 0.66
3 X WCV (Purge Vol)	**10.6**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT — Date: 9/30/2011

Purging:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	**Comments**	
Sampling:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	☐ Other _____	
Decon:	Was purge pump decontaminated before and after this use?	■ Yes	☐ No		
	Decon Product: ■ TSP/Alconox	Decon Rinse: Distiled Water			

PURGE WATER STORAGE/DISPOSAL (For Last Well Sampled Only) — Date:

Drums Onsite Arrival	0	Drums All Labeled?	Yes	
Drums Used This Event	< 1/2	Drums Leaking?	No	Gallons
Total Drums Onsite Now	0	Purge Water Processed Through GWTS?	N/A	

PHYSICAL PARAMETERS — Date:

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (mS/cm)	DO	Salinity (%)	Turbidity (NTU)	Other
12:04	2	20.8	7.01	2.61	N/A	N/A	1000+	
12:10	4	17.9	7.03	2.61	N/A	N/A	900	
12:15	6	18.7	6.99	2.62	N/A	N/A	849	
12:19	8	18.6	6.94	2.62	N/A	N/A	289	
12:24	10	18.5	6.98	2.63	N/A	N/A	351	
12:28	12	18.6	6.97	2.62	N/A	N/A	245	

☐ Sample collected through groundwater treatment system using active extraction pump; no purging required.

LABORATORY ANALYSIS

Number/Type Containers	3	VOA's	2	1-liter Ambers	0	500ml Plastic
Preservative:	HCl					
Analysis:	TPH-g w/BTEX; TPH-d, m.o., Fuel Oxygenates					
Laboratory/TAT:	Test America/ 5-day					

DTW = Depth to Water
fbtoc = feet below top of casing
BOC = Bottom of Well Casing
WC = Water Column Height
DTFP = Depth to Free Product
WCV = Water Column Volume (gallons) = WC X WCV Factor
FPT = Free Product Thickness

MONITORING WELL FIELD SAMPLING LOG

ENGEO INCORPORATED

Project:	Pleasanton Fire Station #3	**Well ID**	**MW-3**
Project No.	6621.100.120		
Location:	3600 Santa Rita Road		
Technician:	Richard Gandolfo		
Activity:	■ Quarterly Sampling	☐ Develop/Sample	

WELL SECURITY

Date 9/30/2011

Well Box Set in Concrete?	Yes	**Comments**
Box Cover Equipped With Bolts and Gasket?	Yes	
Well Casing Equipped With Well Seal and Lock?	No	

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date 9/30/2011

Well Type ■ Monitoring ☐ Extraction Well with Pump ☐ Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	58.9	(Enter measurements for wells with free product history)	
DTW (fbtoc)	53.9	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	5	DTFP (fbtoc) _____	2" = 0.17
WCV (gal)	0.85	DTW (fbtoc) _____	4" = 0.66
3 X WCV (Purge Vol)	**2.55**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date 9/30/2011

Purging:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	**Comments**	
Sampling:	■ Disposable Bailer	☐ 12-V Pump	☐ Subm. Pump	☐ Other _____	
Decon:	Was purge pump decontaminated before and after this use?		☐ Yes	☐ No	
	Decon Product:	☐ TSP/Alconox	Decon Rinse:		

PURGE WATER STORAGE/DISPOSAL (For Last Well Sampled Only)

Date

Drums Onsite Arrival	0	Drums All Labeled?	Yes	
Drums Used This Event	< 1/2	Drums Leaking?	No	Gallons
Total Drums Onsite Now	0	Purge Water Processed Through GWTS?	N/A	

PHYSICAL PARAMETERS

Date

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (mS/cm)	DO	Salinity (%)	Turbidity (NTU)	Other
13:25	0.5	20.3	7.01	1.97	N/A	N/A	900	
13:30	1	19.8	7.01	1.99	N/A	N/A	667	
13:35	1.5	18.5	6.99	1.96	N/A	N/A	491	
13:40	2	18.5	7.01	1.99	N/A	N/A	347	
13:45	2.5	18.6	7.01	1.98	N/A	N/A	325	

☐ Sample collected through groundwater treatment system using active extraction pump; no purging required.

LABORATORY ANALYSIS

Number/Type Containers	3	VOA's	2	1-liter Ambers	0	500ml Plastic
Preservative:	HCl					
Analysis:	TPH-g w/BTEX; TPH-d, m.o., Fuel Oxygenates					
Laboratory/TAT:	Test America/ 5-day					

DTW = Depth to Water

BOC = Bottom of Well Casing

DTFP = Depth to Free Product

FPT = Free Product Thickness

fbtoc = feet below top of casing

WC = Water Column Height

WCV = Water Column Volume (gallons) = WC X WCV Factor

APPENDIX B

Laboratory Analytical Reports and Chain-Of-Custody Records

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-37764-1
Client Project/Site: Fire Station #3

For:
Engeo, Inc.
580 N Wilma Avenue
Suite A
Ripon, California 95366-9502

Attn: Mr. Richard Gandolfo

Authorized for release by:
10/07/2011 05:01:50 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

Table of Contents

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Job ID: 720-37764-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-37764-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The following sample 720-37764-2 submitted for volatiles analysis was received with insufficient preservation (pH >2): MW-2 (720-37764-2).

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The continuing calibration verification (CCV) associated with batch 100248 recovered above the upper control limit for C10-C28. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2 (720-37764-2), MW-3 (720-37764-3).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Client Sample ID: MW-1 — Lab Sample ID: 720-37764-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil Range Organics [C24-C36]	190		120		ug/L	1		8015B	Silica Gel Clean

Client Sample ID: MW-2 — Lab Sample ID: 720-37764-2

No Detections

Client Sample ID: MW-3 — Lab Sample ID: 720-37764-3

No Detections

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-1
Date Collected: 09/30/11 11:00
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/05/11 06:59	1
Benzene	ND		0.50		ug/L			10/05/11 06:59	1
Ethylbenzene	ND		0.50		ug/L			10/05/11 06:59	1
Toluene	ND		0.50		ug/L			10/05/11 06:59	1
Xylenes, Total	ND		1.0		ug/L			10/05/11 06:59	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			10/05/11 06:59	1
TBA	ND		4.0		ug/L			10/05/11 06:59	1
DIPE	ND		0.50		ug/L			10/05/11 06:59	1
TAME	ND		0.50		ug/L			10/05/11 06:59	1
Ethyl t-butyl ether	ND		0.50		ug/L			10/05/11 06:59	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*10/05/11 06:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*67 - 130*		*10/05/11 06:59*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/05/11 06:59*	*1*

Client Sample ID: MW-2
Date Collected: 09/30/11 12:30
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/05/11 07:28	1
Benzene	ND		0.50		ug/L			10/05/11 07:28	1
Ethylbenzene	ND		0.50		ug/L			10/05/11 07:28	1
Toluene	ND		0.50		ug/L			10/05/11 07:28	1
Xylenes, Total	ND		1.0		ug/L			10/05/11 07:28	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			10/05/11 07:28	1
TBA	ND		4.0		ug/L			10/05/11 07:28	1
DIPE	ND		0.50		ug/L			10/05/11 07:28	1
TAME	ND		0.50		ug/L			10/05/11 07:28	1
Ethyl t-butyl ether	ND		0.50		ug/L			10/05/11 07:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*10/05/11 07:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*67 - 130*		*10/05/11 07:28*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*10/05/11 07:28*	*1*

Client Sample ID: MW-3
Date Collected: 09/30/11 09:40
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/05/11 07:17	1
Benzene	ND		0.50		ug/L			10/05/11 07:17	1
Ethylbenzene	ND		0.50		ug/L			10/05/11 07:17	1
Toluene	ND		0.50		ug/L			10/05/11 07:17	1
Xylenes, Total	ND		1.0		ug/L			10/05/11 07:17	1

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-3
Date Collected: 09/30/11 09:40
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			10/05/11 07:17	1
TBA	ND		4.0		ug/L			10/05/11 07:17	1
DIPE	ND		0.50		ug/L			10/05/11 07:17	1
TAME	ND		0.50		ug/L			10/05/11 07:17	1
Ethyl t-butyl ether	ND		0.50		ug/L			10/05/11 07:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*10/05/11 07:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*67 - 130*		*10/05/11 07:17*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*10/05/11 07:17*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: MW-1
Date Collected: 09/30/11 11:00
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		60		ug/L		10/04/11 10:53	10/06/11 02:02	1
Motor Oil Range Organics [C24-C36]	190		120		ug/L		10/04/11 10:53	10/06/11 02:02	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 5*	*10/04/11 10:53*	*10/06/11 02:02*	*1*
p-Terphenyl	*86*		*31 - 150*	*10/04/11 10:53*	*10/06/11 02:02*	*1*

Client Sample ID: MW-2
Date Collected: 09/30/11 12:30
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		55		ug/L		10/04/11 10:53	10/05/11 22:54	1
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		10/04/11 10:53	10/05/11 22:54	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0006*		*0 - 5*	*10/04/11 10:53*	*10/05/11 22:54*	*1*
p-Terphenyl	*98*		*31 - 150*	*10/04/11 10:53*	*10/05/11 22:54*	*1*

Client Sample ID: MW-3
Date Collected: 09/30/11 09:40
Date Received: 09/30/11 15:30

Lab Sample ID: 720-37764-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		56		ug/L		10/04/11 10:53	10/05/11 23:19	1
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		10/04/11 10:53	10/05/11 23:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0003*		*0 - 5*	*10/04/11 10:53*	*10/05/11 23:19*	*1*
p-Terphenyl	*93*		*31 - 150*	*10/04/11 10:53*	*10/05/11 23:19*	*1*

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-100209/6
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/04/11 20:49	1
Benzene	ND		0.50		ug/L			10/04/11 20:49	1
Ethylbenzene	ND		0.50		ug/L			10/04/11 20:49	1
Toluene	ND		0.50		ug/L			10/04/11 20:49	1
Xylenes, Total	ND		1.0		ug/L			10/04/11 20:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			10/04/11 20:49	1
TBA	ND		4.0		ug/L			10/04/11 20:49	1
DIPE	ND		0.50		ug/L			10/04/11 20:49	1
TAME	ND		0.50		ug/L			10/04/11 20:49	1
Ethyl t-butyl ether	ND		0.50		ug/L			10/04/11 20:49	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*10/04/11 20:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*67 - 130*		*10/04/11 20:49*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/04/11 20:49*	*1*

Lab Sample ID: LCS 720-100209/7
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	25.0	19.9		ug/L		80	62 - 130
Benzene	25.0	22.9		ug/L		92	82 - 127
Ethylbenzene	25.0	25.9		ug/L		104	86 - 135
Toluene	25.0	25.0		ug/L		100	83 - 129
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 142
o-Xylene	25.0	24.5		ug/L		98	89 - 136
TBA	500	481		ug/L		96	82 - 116
DIPE	25.0	17.9		ug/L		72	69 - 134
TAME	25.0	24.2		ug/L		97	79 - 129
Ethyl t-butyl ether	25.0	21.8		ug/L		87	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*86*		*67 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-100209/9
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	433		ug/L		87	62 - 117

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*88*		*67 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-100209/9
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-100209/10
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	421		ug/L		84	62 - 117	3	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*67 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 720-100209/8
Matrix: Water
Analysis Batch: 100209

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			25.0	20.7		ug/L		83	62 - 130	4	20
Benzene			25.0	23.2		ug/L		93	82 - 127	1	20
Ethylbenzene			25.0	25.6		ug/L		102	86 - 135	1	20
Toluene			25.0	24.8		ug/L		99	83 - 129	1	20
m-Xylene & p-Xylene			50.0	51.6		ug/L		103	70 - 142	1	20
o-Xylene			25.0	24.7		ug/L		99	89 - 136	1	20
TBA			500	475		ug/L		95	82 - 116	1	20
DIPE			25.0	19.2		ug/L		77	69 - 134	7	20
TAME			25.0	25.8		ug/L		103	79 - 129	6	20
Ethyl t-butyl ether			25.0	23.3		ug/L		93	70 - 130	7	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*67 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 720-100211/6
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			10/04/11 20:45	1
Benzene	ND		0.50		ug/L			10/04/11 20:45	1
Ethylbenzene	ND		0.50		ug/L			10/04/11 20:45	1
Toluene	ND		0.50		ug/L			10/04/11 20:45	1
Xylenes, Total	ND		1.0		ug/L			10/04/11 20:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			10/04/11 20:45	1
TBA	ND		4.0		ug/L			10/04/11 20:45	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-100211/6
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DIPE	ND		0.50		ug/L			10/04/11 20:45	1
TAME	ND		0.50		ug/L			10/04/11 20:45	1
Ethyl t-butyl ether	ND		0.50		ug/L			10/04/11 20:45	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*10/04/11 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*67 - 130*		*10/04/11 20:45*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/04/11 20:45*	*1*

Lab Sample ID: LCS 720-100211/7
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	25.0	28.9		ug/L		116	62 - 130
Benzene	25.0	26.1		ug/L		104	82 - 127
Ethylbenzene	25.0	26.0		ug/L		104	86 - 135
Toluene	25.0	25.1		ug/L		100	83 - 129
m-Xylene & p-Xylene	50.0	52.5		ug/L		105	70 - 142
o-Xylene	25.0	27.5		ug/L		110	89 - 136
TBA	500	485		ug/L		97	82 - 116
DIPE	25.0	27.8		ug/L		111	69 - 134
TAME	25.0	30.1		ug/L		120	79 - 129
Ethyl t-butyl ether	25.0	27.5		ug/L		110	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*109*		*67 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCS 720-100211/9
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	400		ug/L		80	62 - 117

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*67 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-100211/10
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	401		ug/L		80	62 - 117	0	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*111*		*67 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-100211/8
Matrix: Water
Analysis Batch: 100211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			25.0	27.4		ug/L		110	62 - 130	5	20
Benzene			25.0	25.8		ug/L		103	82 - 127	1	20
Ethylbenzene			25.0	26.2		ug/L		105	86 - 135	1	20
Toluene			25.0	25.3		ug/L		101	83 - 129	1	20
m-Xylene & p-Xylene			50.0	52.8		ug/L		106	70 - 142	1	20
o-Xylene			25.0	27.5		ug/L		110	89 - 136	0	20
TBA			500	483		ug/L		97	82 - 116	1	20
DIPE			25.0	27.1		ug/L		108	69 - 134	3	20
TAME			25.0	28.7		ug/L		115	79 - 129	5	20
Ethyl t-butyl ether			25.0	26.4		ug/L		106	70 - 130	4	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*67 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-100168/1-A
Matrix: Water
Analysis Batch: 100246

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 100168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		10/04/11 10:53	10/06/11 02:02	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		10/04/11 10:53	10/06/11 02:02	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.008*		*0 - 5*	*10/04/11 10:53*	*10/06/11 02:02*	*1*
p-Terphenyl	*98*		*31 - 150*	*10/04/11 10:53*	*10/06/11 02:02*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-100168/2-A
Matrix: Water
Analysis Batch: 100246

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 100168

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1240		ug/L		50	32 - 119		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*98*		*31 - 150*

Lab Sample ID: LCSD 720-100168/3-A
Matrix: Water
Analysis Batch: 100246

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 100168

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1280		ug/L		51	32 - 119	3	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*106*		*31 - 150*

QC Association Summary

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

GC/MS VOA

Analysis Batch: 100209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37764-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-37764-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-100209/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-100209/9	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-100209/10	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-100209/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-100209/6	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 100211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37764-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-100211/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-100211/9	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-100211/10	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-100211/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-100211/6	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 100168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37764-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
720-37764-2	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-37764-3	MW-3	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-100168/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-100168/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-100168/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 100246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-100168/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	100168
LCSD 720-100168/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	100168
MB 720-100168/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	100168

Analysis Batch: 100247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37764-1	MW-1	Silica Gel Cleanup	Water	8015B	100168

Analysis Batch: 100248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37764-2	MW-2	Silica Gel Cleanup	Water	8015B	100168
720-37764-3	MW-3	Silica Gel Cleanup	Water	8015B	100168

Lab Chronicle

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Client Sample ID: MW-1

Lab Sample ID: 720-37764-1

Date Collected: 09/30/11 11:00
Matrix: Water
Date Received: 09/30/11 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	100209	10/05/11 06:59	LL	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			100168	10/04/11 10:53	AM	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	100247	10/06/11 02:02	EC	TAL SF

Client Sample ID: MW-2

Lab Sample ID: 720-37764-2

Date Collected: 09/30/11 12:30
Matrix: Water
Date Received: 09/30/11 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	100209	10/05/11 07:28	LL	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			100168	10/04/11 10:53	AM	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	100248	10/05/11 22:54	WR	TAL SF

Client Sample ID: MW-3

Lab Sample ID: 720-37764-3

Date Collected: 09/30/11 09:40
Matrix: Water
Date Received: 09/30/11 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	100211	10/05/11 07:17	LL	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			100168	10/04/11 10:53	AM	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	100248	10/05/11 23:19	WR	TAL SF

Laboratory References:
TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Engeo, Inc.
Project/Site: Fire Station #3

TestAmerica Job ID: 720-37764-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-37764-1	MW-1	Water	09/30/11 11:00	09/30/11 15:30
720-37764-2	MW-2	Water	09/30/11 12:30	09/30/11 15:30
720-37764-3	MW-3	Water	09/30/11 09:40	09/30/11 15:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane Pleasanton, CA 94566-4756
Phone: (925) 484-1919 Fax: (925) 600-3002

Reference #: 133988
9203764
Date 9-30-11 Page 1 of 1

10/07/2011

Report To

Attn: RICHARD GANDOLFO / Jeff Adam
Company: ENGEO
Address:
Phone: Email:
Bill To: on file
Sampled By: R. Gandolfo
Attn: Phone:

Analysis Request

Sample ID	Date	Time	Mat.	Preserv.	TPH EPA 8260B ☒ Gas w/ ☒ BTEX ☐ MTBE	TEPH EPA 8015M* ☒ Diesel ☒ Silica Gel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☒ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum ☐ Total (EPA 1664)	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
MW-1	9-30-11	11:00	W	HCl	/	/	/																			6
MW-2	9-30-11	9:55	W	HCl	/	/	/																			6
MW-3	9-30-11	9:40	W	HCl	/	/	/																			6
		12:3																								

Project Info

Project Name: Fire Station #3
Project#: 6621.100.120
PO#:
Credit Card#:

Sample Receipt

of Containers: 18
Head Space:
Temp: 2.3°C
Conforms to record:

TAT: 5 Day | 3 Day | 2 Day | 1 Day | Other:

Report: ☒ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF
Special Instructions / Comments: ☐ Global ID ___

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 15:30	Signature: Time:	Signature: Time:
Printed Name: Richard Gandolfo Date: 9/30/11	Printed Name: Date:	Printed Name: Date:
Company: ENGEO	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1530	Signature: Time:	Signature: Time:
Printed Name: [signature] Date: 9/30/11	Printed Name: Date:	Printed Name: Date:
Company: TAS F.	Company:	Company:

Rev09/09

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-37764-1

Login Number: 37764
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica San Francisco

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	