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Alameda County  
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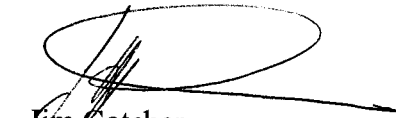
Date: 11-22-2011

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

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SECOND QUARTER 2011  
GROUNDWATER MONITORING REPORT

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

The logo for ENGEO INCORPORATED features the word "ENGEO" in large, white, 3D block letters. Below it, the word "INCORPORATED" is written in smaller, white, sans-serif capital letters. The background of the logo is a composite image: the top part shows a green, rolling hillside under a blue sky, and the bottom part shows a rocky, brownish terrain. The entire logo is set against a dark blue background.

ENGEO  
INCORPORATED

Submitted to:

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

November 18, 2011  
Project No. 6621.100.120

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

## **SECOND 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 Second 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 Wells MW-1, MW-2, and MW-3 using a portable electronic water level indicator. The depths to groundwater and physical groundwater parameters were measured at the time of groundwater sampling; however, the data was inadvertently destroyed and cannot be included in this report. The groundwater elevation data from the February 2011 sampling event is summarized in Table A.

### **GROUNDWATER SAMPLING**

We collected groundwater samples from onsite Wells MW-1, MW-2, and MW-3 on June 3, 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.

- 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 June 2011 sampling event, none of the target analytes were detected above laboratory reporting limits. The results are presented in Table B and Figure 3. The laboratory analysis reports are presented in their entirety in Appendix B.

## **FINDINGS**

- No target analytes were detected in groundwater.
- We recommend performing a minimum of two additional groundwater monitoring events to determine the 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.

## **LIMITATIONS**

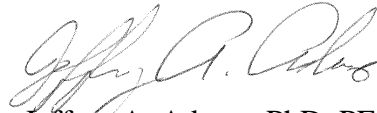
We performed our professional services in accordance with generally accepted environmental engineering principles and practices currently employed in Northern California at the time we performed our services. No other warranty is expressed or implied. We limited our investigation to the authorized work 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  
jaa/sm/jf:2ndqtr



  
Shawn Munger, CHG, REAII

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

**FIGURES**

**Figure 1 - Vicinity Map**

**Figure 2 – Site Plan**

**Figure 3 – Groundwater Analytical Results – June 2011**



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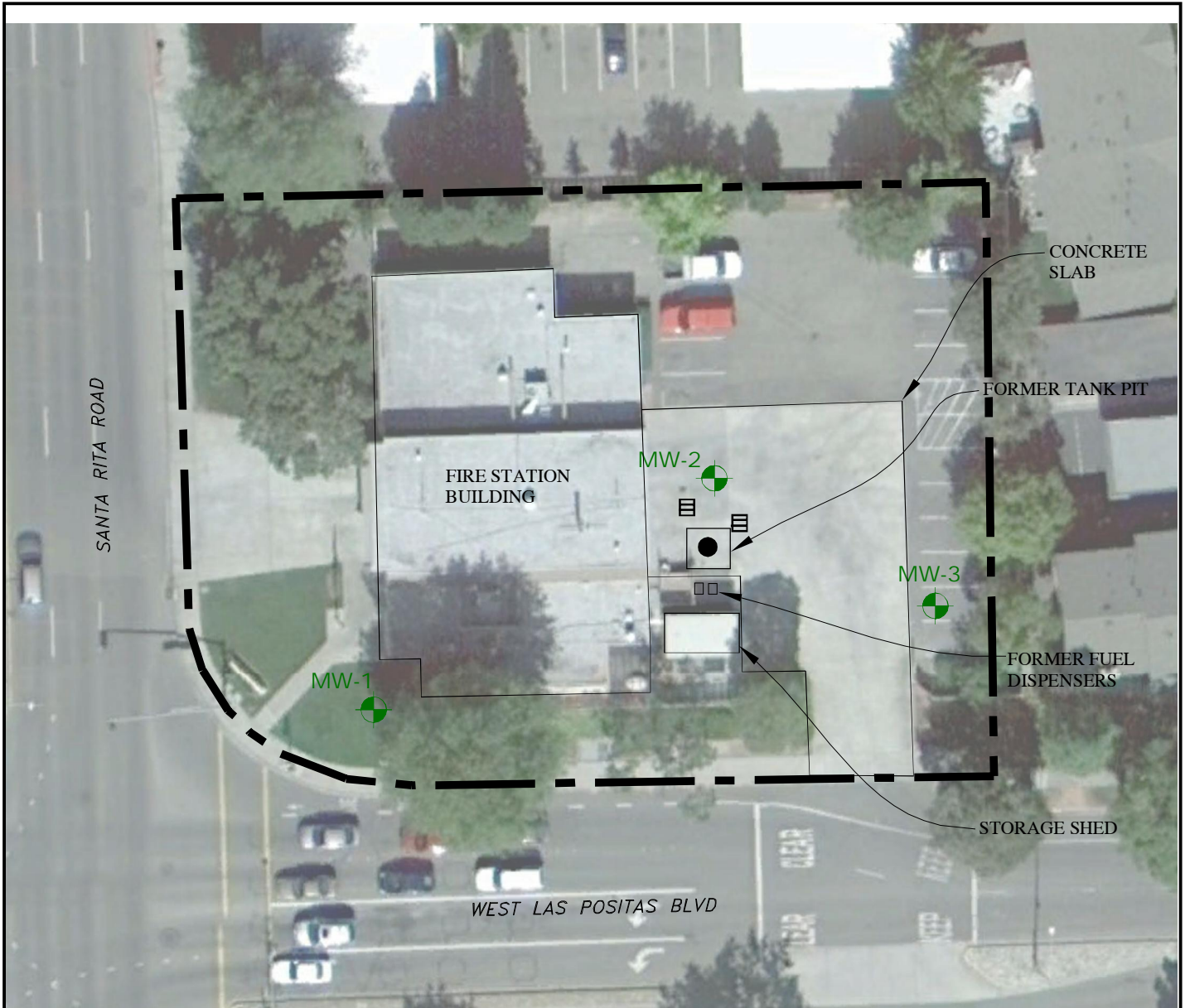
BASE MAP SOURCE: MS STREETS AND TRIPS






VICINITY MAP  
 FIRE STATION #3, 3200 SANTA RITA ROAD  
 PLEASANTON, CALIFORNIA

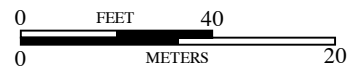
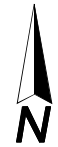
PROJECT NO.: 6621.100.120	FIGURE NO. <b>1</b>
DATE: AS SHOWN	
DRAWN BY: SRP    CHECKED BY: SM	

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**EXPLANATION**

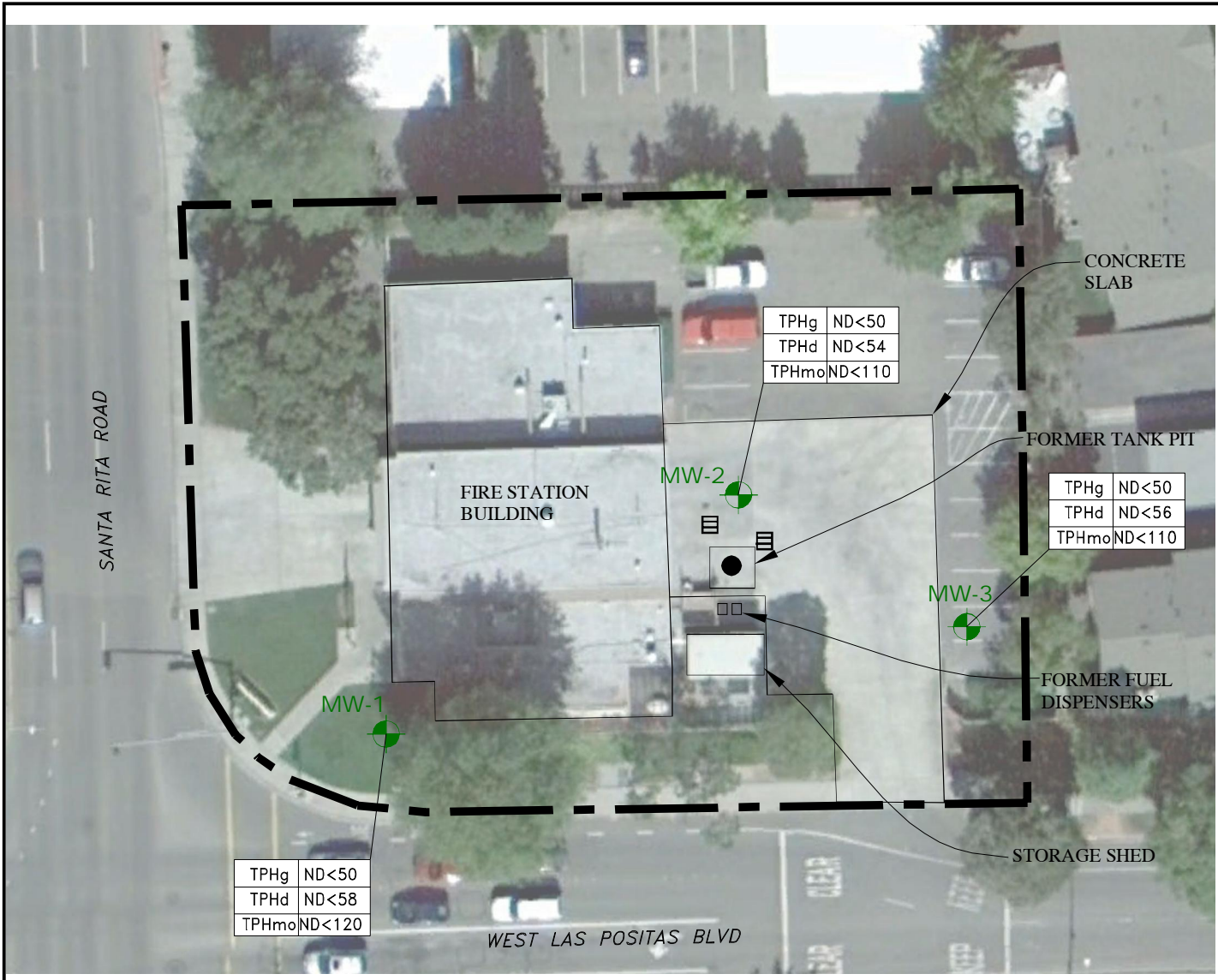
-  PROPERTY LINE
-  STORM DRAIN INLET
-  LOCATION OF PROPOSED MONITORING WELL






BASE MAP SOURCE: KLEINFELDER, GOOGLE EARTH, 2011

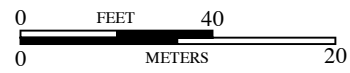
	<b>SITE PLAN</b> FIRE STATION #3, 3200 SANTA RITA ROAD PLEASANTON, CALIFORNIA		PROJECT NO.: 6621.100.120	<b>FIGURE NO.</b>  <span style="font-size: 2em;">2</span>
			DATE: AS SHOWN	
			DRAWN BY: SRP    CHECKED BY: SM	





**EXPLANATION**

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



BASE MAP SOURCE: KLEINFELDER, GOOGLE EARTH, 2011

	<b>GROUNDWATER ANALYTICAL RESULTS - JUNE 2011</b> FIRE STATION #3, 3200 SANTA RITA ROAD PLEASANTON, CALIFORNIA		PROJECT NO.: 6621.100.120	FIGURE NO.  <span style="font-size: 2em;">3</span>
			DATE: AS SHOWN	
			DRAWN BY: SRP    CHECKED BY: SM	

## **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	
<b>Top of Casing Elevation <sup>(2)</sup> (feet)</b>	342.2400		342.3700		342.9500	
Date	Depth to Groundwater <sup>(1)</sup> (ft bgs)	Groundwater Elevation (ft msl)	Depth to Groundwater <sup>(1)</sup> (ft bgs)	Groundwater Elevation (ft msl)	Depth to Groundwater <sup>(1)</sup> (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

**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 ft	Total Petroleum Hydrocarbons (µg/L)			Benzene µg/L	Toulene µg/L	Ethylbenzene µg/L	Xylene(s) µg/L	MTBE µg/L	TBA µg/L	ETBE µg/L	DIPE µg/L	TAME µg/L
			Gasoline	Diesel	Motor Oil									
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
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
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

**NOTES:**

N/M - not measured

Samples have undergone silica gel cleanup unless otherwise noted.

µg/L = micrograms per liter

**APPENDIX A**

**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: 720-35568-1  
Client Project/Site: Santa Rita FS#3

For:  
Engeo, Inc.  
2010 Crow Canyon Place  
Suite 250  
San Ramon, California 94583

Attn: Mr. Richard Gandolfo



---

Authorized for release by:  
06/10/2011 10:40:03 AM

Afsaneh Salimpour  
Project Manager I  
[afsaneh.salimpour@testamericainc.com](mailto:afsaneh.salimpour@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*



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# Definitions/Glossary

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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# Case Narrative

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

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**Job ID: 720-35568-1**

---

**Laboratory: TestAmerica San Francisco**

---

**Narrative**

**Job Narrative**  
720-35568-1

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

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# Detection Summary

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

**Client Sample ID: MW-1**

**Lab Sample ID: 720-35568-1**

No Detections.

**Client Sample ID: MW-2**

**Lab Sample ID: 720-35568-2**

No Detections.

**Client Sample ID: MW-3**

**Lab Sample ID: 720-35568-3**

No Detections.

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# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Client Sample ID: MW-1

Lab Sample ID: 720-35568-1

Date Collected: 06/03/11 15:00

Matrix: Water

Date Received: 06/03/11 15:58

### Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/06/11 13:31	1
Benzene	ND		0.50		ug/L			06/06/11 13:31	1
Ethylbenzene	ND		0.50		ug/L			06/06/11 13:31	1
Toluene	ND		0.50		ug/L			06/06/11 13:31	1
Xylenes, Total	ND		1.0		ug/L			06/06/11 13:31	1
Gasoline Range Organics (GRO)-C5-C12	ND		50		ug/L			06/06/11 13:31	1
TBA	ND		4.0		ug/L			06/06/11 13:31	1
DIPE	ND		0.50		ug/L			06/06/11 13:31	1
TAME	ND		0.50		ug/L			06/06/11 13:31	1
Ethyl t-butyl ether	ND		0.50		ug/L			06/06/11 13:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130					06/06/11 13:31	1
1,2-Dichloroethane-d4 (Surr)	109		67 - 130					06/06/11 13:31	1
Toluene-d8 (Surr)	101		70 - 130					06/06/11 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		58		ug/L		06/03/11 17:01	06/06/11 10:05	1
Motor Oil Range Organics [C24-C36]	ND		120		ug/L		06/03/11 17:01	06/06/11 10:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.1		0 - 5				06/03/11 17:01	06/06/11 10:05	1
p-Terphenyl	108		31 - 150				06/03/11 17:01	06/06/11 10:05	1

## Client Sample ID: MW-2

Lab Sample ID: 720-35568-2

Date Collected: 06/03/11 12:45

Matrix: Water

Date Received: 06/03/11 15:58

### Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/06/11 14:55	1
Benzene	ND		0.50		ug/L			06/06/11 14:55	1
Ethylbenzene	ND		0.50		ug/L			06/06/11 14:55	1
Toluene	ND		0.50		ug/L			06/06/11 14:55	1
Xylenes, Total	ND		1.0		ug/L			06/06/11 14:55	1
Gasoline Range Organics (GRO)-C5-C12	ND		50		ug/L			06/06/11 14:55	1
TBA	ND		4.0		ug/L			06/06/11 14:55	1
DIPE	ND		0.50		ug/L			06/06/11 14:55	1
TAME	ND		0.50		ug/L			06/06/11 14:55	1
Ethyl t-butyl ether	ND		0.50		ug/L			06/06/11 14:55	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130					06/06/11 14:55	1
1,2-Dichloroethane-d4 (Surr)	105		67 - 130					06/06/11 14:55	1
Toluene-d8 (Surr)	100		70 - 130					06/06/11 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		54		ug/L		06/03/11 17:01	06/06/11 10:29	1
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		06/03/11 17:01	06/06/11 10:29	1

# Client Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Client Sample ID: MW-2

Date Collected: 06/03/11 12:45

Date Received: 06/03/11 15:58

## Lab Sample ID: 720-35568-2

Matrix: Water

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.1		0 - 5	06/03/11 17:01	06/06/11 10:29	1
p-Terphenyl	112		31 - 150	06/03/11 17:01	06/06/11 10:29	1

## Client Sample ID: MW-3

Date Collected: 06/03/11 13:45

Date Received: 06/03/11 15:58

## Lab Sample ID: 720-35568-3

Matrix: Water

### Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/06/11 15:04	1
Benzene	ND		0.50		ug/L			06/06/11 15:04	1
Ethylbenzene	ND		0.50		ug/L			06/06/11 15:04	1
Toluene	ND		0.50		ug/L			06/06/11 15:04	1
Xylenes, Total	ND		1.0		ug/L			06/06/11 15:04	1
Gasoline Range Organics (GRO)-C5-C12	ND		50		ug/L			06/06/11 15:04	1
TBA	ND		4.0		ug/L			06/06/11 15:04	1
DIPE	ND		0.50		ug/L			06/06/11 15:04	1
TAME	ND		0.50		ug/L			06/06/11 15:04	1
Ethyl t-butyl ether	ND		0.50		ug/L			06/06/11 15:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130		06/06/11 15:04	1
1,2-Dichloroethane-d4 (Surr)	109		67 - 130		06/06/11 15:04	1
Toluene-d8 (Surr)	101		70 - 130		06/06/11 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		56		ug/L		06/03/11 17:01	06/06/11 10:52	1
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		06/03/11 17:01	06/06/11 10:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.1		0 - 5	06/03/11 17:01	06/06/11 10:52	1
p-Terphenyl	110		31 - 150	06/03/11 17:01	06/06/11 10:52	1

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS

**Lab Sample ID: MB 720-92960/5**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: MB 720-92960/5**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		0.50		ug/L		06/06/11 10:30		1
Benzene	ND		0.50		ug/L		06/06/11 10:30		1
Ethylbenzene	ND		0.50		ug/L		06/06/11 10:30		1
Toluene	ND		0.50		ug/L		06/06/11 10:30		1
m-Xylene & p-Xylene	ND		1.0		ug/L		06/06/11 10:30		1
o-Xylene	ND		0.50		ug/L		06/06/11 10:30		1
Xylenes, Total	ND		1.0		ug/L		06/06/11 10:30		1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L		06/06/11 10:30		1
TBA	ND		4.0		ug/L		06/06/11 10:30		1
DIPE	ND		0.50		ug/L		06/06/11 10:30		1
TAME	ND		0.50		ug/L		06/06/11 10:30		1
Ethyl t-butyl ether	ND		0.50		ug/L		06/06/11 10:30		1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	101		67 - 130		06/06/11 10:30	1
1,2-Dichloroethane-d4 (Surr)	115		67 - 130		06/06/11 10:30	1
Toluene-d8 (Surr)	101		70 - 130		06/06/11 10:30	1

**Lab Sample ID: LCS 720-92960/6**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: LCS 720-92960/6**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	25.0	25.0		ug/L		100	82 - 127
Ethylbenzene	25.0	25.3		ug/L		101	86 - 135
Toluene	25.0	24.7		ug/L		99	83 - 129
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 142
o-Xylene	25.0	26.2		ug/L		105	89 - 136
TBA	500	461		ug/L		92	82 - 116
DIPE	25.0	27.4		ug/L		110	74 - 155
TAME	25.0	26.2		ug/L		105	79 - 129
Ethyl t-butyl ether	25.0	25.7		ug/L		103	70 - 130

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	106		67 - 130
1,2-Dichloroethane-d4 (Surr)	110		67 - 130
Toluene-d8 (Surr)	105		70 - 130

**Lab Sample ID: LCS 720-92960/8**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: LCS 720-92960/8**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCS 720-92960/8**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: LCS 720-92960/8**

**Prep Type: Total/NA**

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	108		67 - 130
1,2-Dichloroethane-d4 (Surr)	110		67 - 130
Toluene-d8 (Surr)	105		70 - 130

**Lab Sample ID: LCSD 720-92960/7**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: LCSD 720-92960/7**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	RPD Limit
							Limits	RPD		
Methyl tert-butyl ether	25.0	27.9		ug/L		112	62 - 130	11	20	
Benzene	25.0	26.9		ug/L		108	82 - 127	7	20	
Ethylbenzene	25.0	26.5		ug/L		106	86 - 135	5	20	
Toluene	25.0	26.2		ug/L		105	83 - 129	6	20	
m-Xylene & p-Xylene	50.0	54.3		ug/L		109	70 - 142	4	20	
o-Xylene	25.0	27.6		ug/L		110	89 - 136	5	20	
TBA	500	489		ug/L		98	82 - 116	6	20	
DIPE	25.0	29.7		ug/L		119	74 - 155	8	20	
TAME	25.0	28.8		ug/L		115	79 - 129	9	20	
Ethyl t-butyl ether	25.0	28.3		ug/L		113	70 - 130	10	20	

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	105		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	105		70 - 130

**Lab Sample ID: LCSD 720-92960/9**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: LCSD 720-92960/9**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	RPD Limit
							Limits	RPD		
Gasoline Range Organics (GRO) -C5-C12	500	397		ug/L		79	62 - 117	1	20	

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		67 - 130
Toluene-d8 (Surr)	107		70 - 130

**Lab Sample ID: 720-35568-1 MS**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: MW-1**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	RPD
Methyl tert-butyl ether	ND		25.0	26.5		ug/L		106	60 - 138	
Benzene	ND		25.0	26.1		ug/L		104	60 - 140	
Ethylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	
Toluene	ND		25.0	24.8		ug/L		99	60 - 140	
m-Xylene & p-Xylene	ND		50.0	51.6		ug/L		103	60 - 140	
o-Xylene	ND		25.0	26.4		ug/L		106	60 - 140	

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-35568-1 MS**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: MW-1**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec Limits
TBA	ND		500	473		ug/L		95	60 - 140
DIPE	ND		25.0	28.8		ug/L		115	60 - 140
TAME	ND		25.0	28.4		ug/L		114	60 - 140
Ethyl t-butyl ether	ND		25.0	27.5		ug/L		110	60 - 140

Surrogate	MS % Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	105		67 - 130
1,2-Dichloroethane-d4 (Surr)	107		67 - 130
Toluene-d8 (Surr)	105		70 - 130

**Lab Sample ID: 720-35568-1 MSD**

**Matrix: Water**

**Analysis Batch: 92960**

**Client Sample ID: MW-1**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	28.7		ug/L		115	60 - 138	8	20
Benzene	ND		25.0	27.2		ug/L		109	60 - 140	4	20
Ethylbenzene	ND		25.0	26.0		ug/L		104	60 - 140	4	20
Toluene	ND		25.0	26.0		ug/L		104	60 - 140	5	20
m-Xylene & p-Xylene	ND		50.0	53.0		ug/L		106	60 - 140	3	20
o-Xylene	ND		25.0	27.2		ug/L		109	60 - 140	3	20
TBA	ND		500	489		ug/L		98	60 - 140	3	20
DIPE	ND		25.0	30.0		ug/L		120	60 - 140	4	20
TAME	ND		25.0	29.9		ug/L		120	60 - 140	5	20
Ethyl t-butyl ether	ND		25.0	28.8		ug/L		115	60 - 140	5	20

Surrogate	MSD % Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	106		67 - 130
Toluene-d8 (Surr)	105		70 - 130

**Lab Sample ID: MB 720-92966/5**

**Matrix: Water**

**Analysis Batch: 92966**

**Client Sample ID: MB 720-92966/5**

**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			06/06/11 10:29	1
Benzene	ND		0.50		ug/L			06/06/11 10:29	1
Ethylbenzene	ND		0.50		ug/L			06/06/11 10:29	1
Toluene	ND		0.50		ug/L			06/06/11 10:29	1
m-Xylene & p-Xylene	ND		1.0		ug/L			06/06/11 10:29	1
o-Xylene	ND		0.50		ug/L			06/06/11 10:29	1
Xylenes, Total	ND		1.0		ug/L			06/06/11 10:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/06/11 10:29	1
TBA	ND		4.0		ug/L			06/06/11 10:29	1
DIPE	ND		0.50		ug/L			06/06/11 10:29	1
TAME	ND		0.50		ug/L			06/06/11 10:29	1
Ethyl t-butyl ether	ND		0.50		ug/L			06/06/11 10:29	1



# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-92966/5  
Matrix: Water  
Analysis Batch: 92966

Client Sample ID: MB 720-92966/5  
Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	99		67 - 130		06/06/11 10:29	1
1,2-Dichloroethane-d4 (Surr)	104		67 - 130		06/06/11 10:29	1
Toluene-d8 (Surr)	102		70 - 130		06/06/11 10:29	1

Lab Sample ID: LCS 720-92966/6  
Matrix: Water  
Analysis Batch: 92966

Client Sample ID: LCS 720-92966/6  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	25.0	25.0		ug/L		100	82 - 127
Ethylbenzene	25.0	25.2		ug/L		101	86 - 135
Toluene	25.0	26.0		ug/L		104	83 - 129
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 142
o-Xylene	25.0	25.6		ug/L		102	89 - 136
TBA	500	449		ug/L		90	82 - 116
DIPE	25.0	23.4		ug/L		94	74 - 155
TAME	25.0	24.8		ug/L		99	79 - 129
Ethyl t-butyl ether	25.0	23.8		ug/L		95	70 - 130

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	100		67 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCS 720-92966/8  
Matrix: Water  
Analysis Batch: 92966

Client Sample ID: LCS 720-92966/8  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits

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

Lab Sample ID: LCSD 720-92966/7  
Matrix: Water  
Analysis Batch: 92966

Client Sample ID: LCSD 720-92966/7  
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	25.0	24.9		ug/L		100	82 - 127	0	20
Ethylbenzene	25.0	25.0		ug/L		100	86 - 135	1	20
Toluene	25.0	25.8		ug/L		103	83 - 129	1	20
m-Xylene & p-Xylene	50.0	50.4		ug/L		101	70 - 142	1	20
o-Xylene	25.0	25.5		ug/L		102	89 - 136	0	20

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: LCSD 720-92966/7**

**Matrix: Water**

**Analysis Batch: 92966**

**Client Sample ID: LCSD 720-92966/7**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
TBA	500	452		ug/L		90	82 - 116	1	20
DIPE	25.0	23.3		ug/L		93	74 - 155	0	20
TAME	25.0	25.2		ug/L		101	79 - 129	2	20
Ethyl t-butyl ether	25.0	24.3		ug/L		97	70 - 130	2	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	101		67 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: LCSD 720-92966/9**

**Matrix: Water**

**Analysis Batch: 92966**

**Client Sample ID: LCSD 720-92966/9**

**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	438		ug/L		88	62 - 117	7	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	103		67 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: 720-35568-2 MS**

**Matrix: Water**

**Analysis Batch: 92966**

**Client Sample ID: MW-2**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	ND		25.0	25.4		ug/L		101	60 - 138
Benzene	ND		25.0	25.1		ug/L		100	60 - 140
Ethylbenzene	ND		25.0	24.7		ug/L		99	60 - 140
Toluene	ND		25.0	25.6		ug/L		102	60 - 140
m-Xylene & p-Xylene	ND		50.0	50.3		ug/L		101	60 - 140
o-Xylene	ND		25.0	25.3		ug/L		101	60 - 140
TBA	ND		500	456		ug/L		91	60 - 140
DIPE	ND		25.0	24.5		ug/L		98	60 - 140
TAME	ND		25.0	25.7		ug/L		103	60 - 140
Ethyl t-butyl ether	ND		25.0	24.9		ug/L		100	60 - 140

Surrogate	MS % Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	103		67 - 130
Toluene-d8 (Surr)	103		70 - 130

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Method: 8260B/CA\_LUFTMS - 8260B / CA LUFT MS (Continued)

**Lab Sample ID: 720-35568-2 MSD**

**Matrix: Water**

**Analysis Batch: 92966**

**Client Sample ID: MW-2**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Methyl tert-butyl ether	ND		25.0	25.8		ug/L		103	60 - 138	2	20
Benzene	ND		25.0	25.2		ug/L		101	60 - 140	0	20
Ethylbenzene	ND		25.0	24.9		ug/L		100	60 - 140	1	20
Toluene	ND		25.0	25.6		ug/L		102	60 - 140	0	20
m-Xylene & p-Xylene	ND		50.0	49.8		ug/L		100	60 - 140	1	20
o-Xylene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
TBA	ND		500	458		ug/L		92	60 - 140	0	20
DIPE	ND		25.0	24.3		ug/L		97	60 - 140	1	20
TAME	ND		25.0	25.7		ug/L		103	60 - 140	0	20
Ethyl t-butyl ether	ND		25.0	24.9		ug/L		100	60 - 140	0	20

Surrogate	MSD	MSD	Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		67 - 130
Toluene-d8 (Surr)	103		70 - 130

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

**Lab Sample ID: MB 720-92935/1-A**

**Matrix: Water**

**Analysis Batch: 92963**

**Client Sample ID: MB 720-92935/1-A**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 92935**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		50		ug/L		06/03/11 17:01	06/06/11 12:02	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		06/03/11 17:01	06/06/11 12:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Capric Acid (Surr)	0.08		0 - 5	06/03/11 17:01	06/06/11 12:02	1
p-Terphenyl	114		31 - 150	06/03/11 17:01	06/06/11 12:02	1

**Lab Sample ID: LCS 720-92935/2-A**

**Matrix: Water**

**Analysis Batch: 92963**

**Client Sample ID: LCS 720-92935/2-A**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 92935**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.
		Result	Qualifier				Limits
Diesel Range Organics [C10-C28]	2500	2350		ug/L		94	32 - 119

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
p-Terphenyl	108		31 - 150

**Lab Sample ID: LCSD 720-92935/3-A**

**Matrix: Water**

**Analysis Batch: 92963**

**Client Sample ID: LCSD 720-92935/3-A**

**Prep Type: Silica Gel Cleanup**

**Prep Batch: 92935**

Analyte	Spike Added	LCSD	LCSD	Unit	D	% Rec	% Rec.	RPD	RPD
		Result	Qualifier				Limits		
Diesel Range Organics [C10-C28]	2500	2300		ug/L		92	32 - 119	2	35

TestAmerica San Francisco

# QC Sample Results

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

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

Lab Sample ID: LCSD 720-92935/3-A  
Matrix: Water  
Analysis Batch: 92963

Client Sample ID: LCSD 720-92935/3-A  
Prep Type: Silica Gel Cleanup  
Prep Batch: 92935

<i>Surrogate</i>	<i>LCSD</i>	<i>LCSD</i>	<i>Limits</i>
	<i>% Recovery</i>	<i>Qualifier</i>	
<i>p-Terphenyl</i>	111		31 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 10
- 11
- 12
- 13
- 14

# QC Association Summary

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## GC/MS VOA

### Analysis Batch: 92960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-92960/5	MB 720-92960/5	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-92960/6	LCS 720-92960/6	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-92960/7	LCSD 720-92960/7	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-92960/8	LCS 720-92960/8	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-92960/9	LCSD 720-92960/9	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-1	MW-1	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-1 MS	MW-1	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-3	MW-3	Total/NA	Water	8260B/CA_LUF TMS	

### Analysis Batch: 92966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-92966/5	MB 720-92966/5	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-92966/6	LCS 720-92966/6	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-92966/7	LCSD 720-92966/7	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-92966/8	LCS 720-92966/8	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-92966/9	LCSD 720-92966/9	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-2	MW-2	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-2 MS	MW-2	Total/NA	Water	8260B/CA_LUF TMS	
720-35568-2 MSD	MW-2	Total/NA	Water	8260B/CA_LUF TMS	

## GC Semi VOA

### Prep Batch: 92935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-92935/1-A	MB 720-92935/1-A	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-92935/2-A	LCS 720-92935/2-A	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-92935/3-A	LCSD 720-92935/3-A	Silica Gel Cleanup	Water	3510C SGC	
720-35568-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
720-35568-2	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-35568-3	MW-3	Silica Gel Cleanup	Water	3510C SGC	

### Analysis Batch: 92963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-35568-1	MW-1	Silica Gel Cleanup	Water	8015B	92935
720-35568-2	MW-2	Silica Gel Cleanup	Water	8015B	92935
720-35568-3	MW-3	Silica Gel Cleanup	Water	8015B	92935
LCS 720-92935/2-A	LCS 720-92935/2-A	Silica Gel Cleanup	Water	8015B	92935
LCSD 720-92935/3-A	LCSD 720-92935/3-A	Silica Gel Cleanup	Water	8015B	92935
MB 720-92935/1-A	MB 720-92935/1-A	Silica Gel Cleanup	Water	8015B	92935



# Lab Chronicle

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

## Client Sample ID: MW-1

Date Collected: 06/03/11 15:00

Date Received: 06/03/11 15:58

Lab Sample ID: 720-35568-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	92960	06/06/11 13:31	YB	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			92935	06/03/11 17:01	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	92963	06/06/11 10:05	DH	TAL SF

## Client Sample ID: MW-2

Date Collected: 06/03/11 12:45

Date Received: 06/03/11 15:58

Lab Sample ID: 720-35568-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	92966	06/06/11 14:55	JZ	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			92935	06/03/11 17:01	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	92963	06/06/11 10:29	DH	TAL SF

## Client Sample ID: MW-3

Date Collected: 06/03/11 13:45

Date Received: 06/03/11 15:58

Lab Sample ID: 720-35568-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	92960	06/06/11 15:04	YB	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			92935	06/03/11 17:01	RU	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	92963	06/06/11 10:52	DH	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: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

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

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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.

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# Method Summary

Client: Engeo, Inc.  
Project/Site: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

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Method	Method Description	Protocol	Laboratory
8260B/CA_LUFT MS	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: Santa Rita FS#3

TestAmerica Job ID: 720-35568-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-35568-1	MW-1	Water	06/03/11 15:00	06/03/11 15:58
720-35568-2	MW-2	Water	06/03/11 12:45	06/03/11 15:58
720-35568-3	MW-3	Water	06/03/11 13:45	06/03/11 15:58

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- 14

**720-35568**

Reference #: \_\_\_\_\_  
 Date 6/3/11 Page 131799 of 1

**Report To:** Richard Gandolfo **Analysis Request**

Attn: Richard Gandolfo  
 Company: ENGEO  
 Address: 580 N. Wilma, Ste A, Ripon, Ca  
 Phone: 209 684 7609 Email: rgandolfo@engeo.com  
 Bill To: above Sampled By: R. Gandolfo  
 Attn: above Phone: (209) 321 2665

Sample ID	Date	Time	Mat rix	Preserv	TPH EPA-8260B <input checked="" type="checkbox"/> Gas w/ <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE	TEPH EPA 8015M* <input checked="" type="checkbox"/> Silica Gel <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> Oxygenates <input type="checkbox"/> DCA <input type="checkbox"/> ED8 <input type="checkbox"/> Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B: <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 825	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Low Level Metals by EPA 200.86020 (ICP-MS): <input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	Number of Containers	
MW-1	6/3/11	15:00	W	HCl/vn	/	/	/													5	
MW-2		12:45		HCl/vn	/	/	/														5
MW-3		13:45		HCl/vn	/	/	/														5

**Project Info**  
 Project Name: Santa Rita FS #3  
 Project#: 6621.100.120  
 PO#: \_\_\_\_\_  
 Credit Card#: \_\_\_\_\_

**Sample Receipt**  
 # of Containers: 15  
 Head Space: \_\_\_\_\_  
 Temp: 2.1°C  
 Conforms to record:

1) Relinquished by:  
[Signature] 15:30  
 Signature Time  
Richard Gandolfo 6/3/11  
 Printed Name Date  
ENGEO  
 Company

2) Relinquished by:  
 Signature Time  
 Printed Name Date  
 Company

3) Relinquished by:  
 Signature Time  
 Printed Name Date  
 Company

Report:  Routine  Level 3  Level 4  EDD  State Tank  
 Fund EDF  
 Special Instructions / Comments:  Global ID \_\_\_\_\_  
 TAT: 5 Day 3 Day 2 Day 1 Day Other: \_\_\_\_\_  
 See Terms and Conditions on reverse  
 \*TestAmerica SF reports 15M from C<sub>9</sub>-C<sub>24</sub> (industry norm). Default for 8015B is C<sub>10</sub>-C<sub>26</sub>

1) Received by:  
[Signature] 1578  
 Signature Time  
[Signature] 6/3/11  
 Printed Name Date  
[Signature]  
 Company

2) Received by:  
 Signature Time  
 Printed Name Date  
 Company

3) Received by:  
 Signature Time  
 Printed Name Date  
 Company

## Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-35568-1

**Login Number: 35568**

**List Source: TestAmerica San Francisco**

**List Number: 1**

**Creator: Hoang, Julie**

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	
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	