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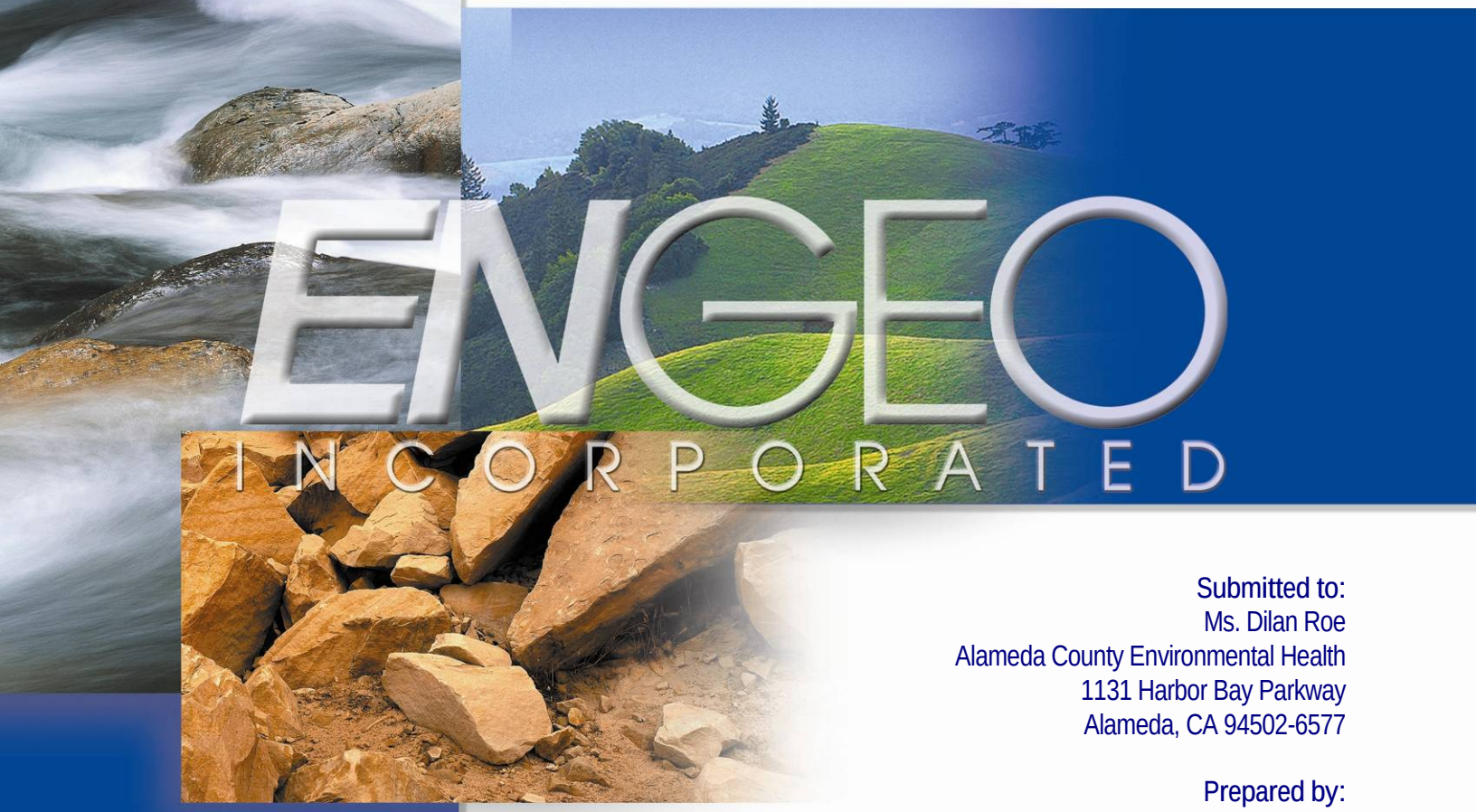
First Quarter 2013 Groundwater Monitoring Report

Jordan Ranch – Parcel H
Dublin, California



Submitted to:
Ms. Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Prepared by:
ENGEO Incorporated

Project No.
7828.000.001

April 18, 2013

- Expect Excellence -

Project No.
7828.000.001

April 18, 2013

Ms. Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: Jordan Ranch Parcel H – Former Leaking Underground Storage Tank
Dublin, California
ACEH Case No. R00002918

FIRST QUARTER 2013 GROUNDWATER MONITORING REPORT

Dear Ms. Roe:

This letter summarizes the results of the February 2013 groundwater monitoring event completed for the Jordan Ranch – Parcel H (Site) located in Dublin, California. This is the fourth monitoring event following completion of the soil and groundwater remediation activities performed in Fall 2011. The Site is located at the east side of the intersection of Central Parkway and Fallon Road. A vicinity map is attached as Figure 1.

GROUNDWATER MONITORING

Groundwater Elevations

ENGEO measured and recorded groundwater depths from the top of well casings (TOC) for wells MW-1, MW-2, MW-4, and MW-5 on February 22, 2013. The monitoring well locations are shown on Figure 2.

Prior to recording the depth to water, we removed the well caps and allowed the water levels in each well to equilibrate.

The depth to groundwater in the Site monitoring wells ranged from 10.20 feet below the TOC in MW-1 to 12.20 feet below the TOC in MW-2.

During this sampling event, the computed direction of groundwater flow is directed toward the south with a gradient of approximately 0.005 foot per foot (ft/ft). Groundwater elevation contours for this event are depicted on Figure 2. The cumulative groundwater elevation data from this event is summarized in Table 1 (attached).

Well Sampling

After recording groundwater depth measurements, we collected groundwater samples from wells MW-1, MW-2, MW-4, and MW-5. Well sampling logs are attached.

ENGEO conducted the following activities during sampling:

- Recorded in-situ dissolved oxygen (DO) and oxidation reduction potential (ORP) prior to purging.
- Purged three well casing volumes from each well using a submersible pump.
- Monitored and recorded pH, temperature, and conductivity measurements during purging.
- Contained the purge water in labeled 55-gallon drums.
- Obtained groundwater samples using new disposable bailers.
- Transferred the groundwater to laboratory-provided, pre-preserved sample containers, which were labeled to include sample identification, date, and time of collection and requested analyses.
- Stored the groundwater samples on ice during transportation to a Test America Laboratory using a chain-of custody record.
- Submitted the samples for the analysis of total petroleum hydrocarbons as gasoline (TPHg), and volatile organic compounds (VOCs) by EPA Test Method 8260B, and total petroleum hydrocarbons as diesel (TPHd) by EPA Test Method 8015B using silica gel cleanup by EPA Test Method 3630.

Groundwater Analytical Results

Concentrations of petroleum hydrocarbons and VOCs detected during the first quarter 2013 monitoring event are tabulated below:

Well Location	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE(ug/L)	Napthalene (ug/L)
MW-1	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	<1
MW-2	**340**	**4,200**	**12**	**7.8**	**320**	**590**	**30**	**120**
MW-4	<50	<50	<0.5	<0.5	<0.5	<1	**6.3**	<1
MW-5	**1,100**	**30,000**	**710**	**1,200**	**2,400**	**8,800**	<25	**680**

In-situ DO measurements for wells ranged from 0.09 to 1.37 mg/l; and ORP readings ranged from -87.5 to +103 mV. MW-2 and MW-5 exhibited anaerobic conditions while MW-1 and MW-3 exhibited borderline to slightly aerobic conditions.

Cumulative groundwater monitoring well data is summarized in Table 2, attached. A copy of the groundwater laboratory report and chain-of-custody record are attached. It should be noted that the laboratory previously reported a qualifier for the TPHd detections, stating it is representative of a weathered gasoline fraction and it is not consistent with the typical diesel chromatogram. It should also be noted that naphthalene is a constituent of gasoline as well as diesel.

FINDINGS

The analytical results for the prior monitoring event (fourth quarter 2012), exhibited a significant reduction in concentrations, which we attribute to the increased purge volumes implemented for that event. During current first quarter 2013 monitoring event, we purged the standard three well casing volumes in order to assess potential rebound subsequent to the prior event. The analytical results exhibited no significant rebound in concentrations, which indicates that limited groundwater extraction may have a significant influence on the groundwater impacts.

The decreasing trend in concentrations of TPHg and benzene in MW-2 and MW-5 since implementation of the soil and groundwater remediation in fall 2011 is depicted in Figure 4. A comparison of pre- and post-remediation groundwater data is provided in the table below. The data depicts notable decreases in TPHg, benzene, and MTBE concentrations.

Well Location	August 2010 (Pre)			February 2013 (Post)			Percent Increase/Decrease		
	TPHg	Benzene	MTBE	TPHg	Benzene	MTBE	TPHg	Benzene	MTBE
MW-1	<50	<0.5	<0.5	<50	<0.5	<0.5	---	---	---
MW-2	**15,000**	**780**	**170**	**4,200**	**12**	**30**	-72%	-98%	-82%
MW-4	<50	<0.5	**80**	<50	<0.5	**6.3**	---	---	-92%
MW-5	**74,000**	**7,500**	**100**	**30,000**	**710**	<25	-59%	-91%	-75%

FUTURE WORK

We submitted the results of the supplemental groundwater assessment, updated SCM, and risk assessment to ACEH in early April 2013. The updated SCM concluded that the Site meets the criteria of the SWRCB Low-Threat Closure Policy and the secondary source has been removed to the extent practicable. Additional quarterly groundwater sampling events will be conducted in May and August 2013. Provided these sampling events verify stable and/or decreasing trends in contaminants, we expect to submit a formal case closure request in September 2013.

LIMITATIONS

At the time we performed our professional services, they were consistent with those generally accepted environmental engineering principles and practices currently employed in Northern California. ENGEO does not express or imply any other warranty. 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. ENGEO prepared this report for the exclusive use of our client. This report is applicable only for the subject property. We are not responsible for others' interpretations of this report's data. This report does not represent a legal opinion.

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

Sincerely,

ENGEO Incorporated

Morgan Johnson
Environmental Scientist

Shawn Munger, CHG
Principal

Jeffrey A. Adams, PhD, PE
Associate
mj/sm/jaa/cjn

Attachments: Figure 1 – Vicinity Map
Figure 2 – Groundwater Elevation Contour Map – February 2013
Figure 3 – Concentrations of Petroleum Hydrocarbons in Groundwater – February 2013
Figure 4 – TPHg and Benzene in Groundwater
Table 1 – Groundwater Elevations
Table 2 – Groundwater Analytical Data
Monitoring Well Sampling Logs
Groundwater Laboratory Analytical Report and Chain-of-Custody Record

cc: Mr. Ravi Nandwana, BJP-ROF Jordan Ranch, LLC

FIGURES

N

0 FEET 2000

0 METERS 1000

BASE MAP SOURCE: GOOGLE EARTH

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VICINITY MAP

JORDAN RANCH - PARCEL H

DUBLIN, CALIFORNIA

PROJECT NO.: 7828.000.001		FIGURE NO. 1
DATE: AS SHOWN		
DRAWN BY: SRP	CHECKED BY: SM	

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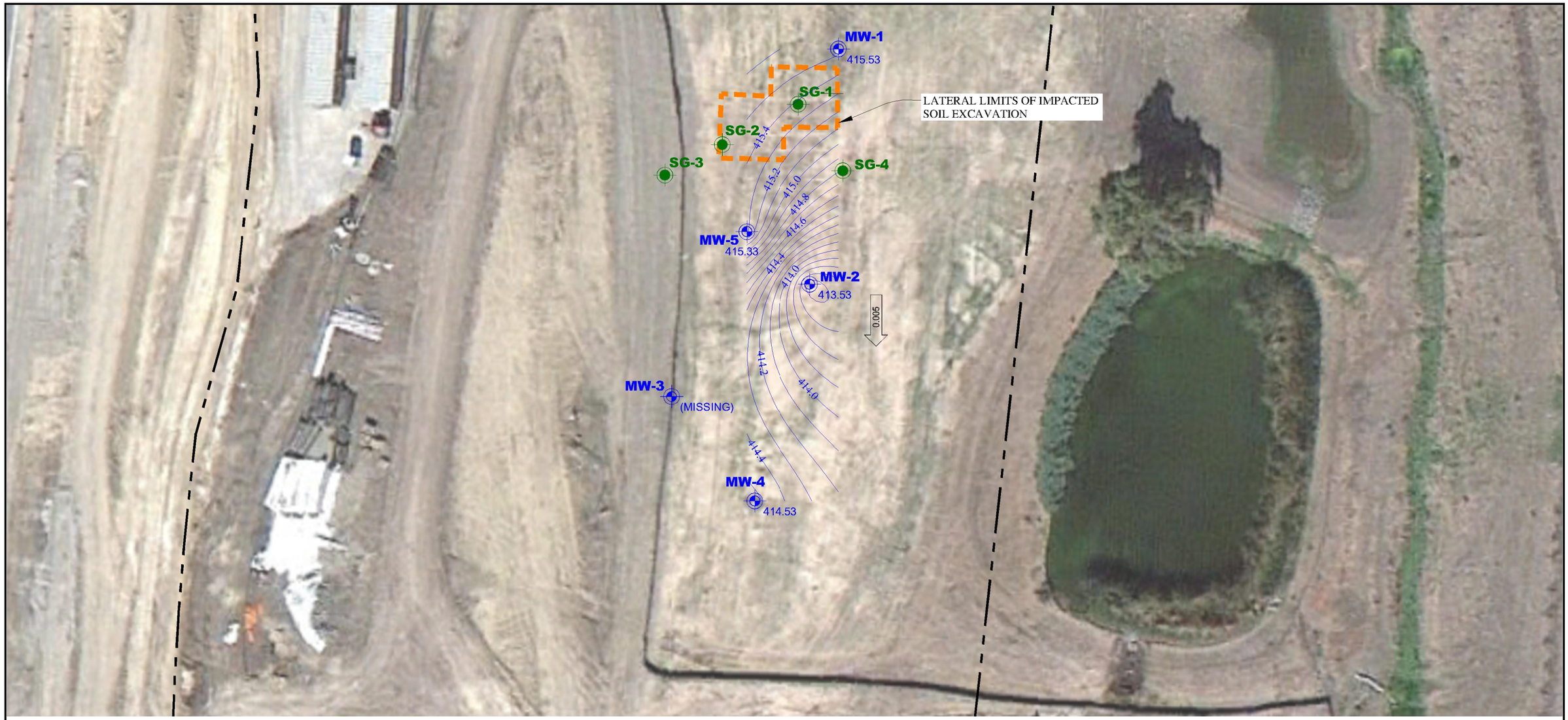
ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

MW-5 411.80 — APPROXIMATE LOCATION OF MONITORING WELIL

SG-4 — APPROXIMATE LOCATION OF SOIL GAS WELL

0.005 — GROUNDWATER FLOW DIRECTION

N

0 FEET 40
0 METERS 20

BASE MAP SOURCE: GOOGLE EARTH, ST. ANTON

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GROUNDWATER ELEVATION COUNTOUR MAP - FEBRUARY 2013
JORDAN RANCH - PARCEL H
DUBLIN, CALIFORNIA

PROJECT NO.: 7828.000.001
SCALE: AS SHOWN
DRAWN BY: SRP CHECKED BY: SM
FIGURE NO. 2

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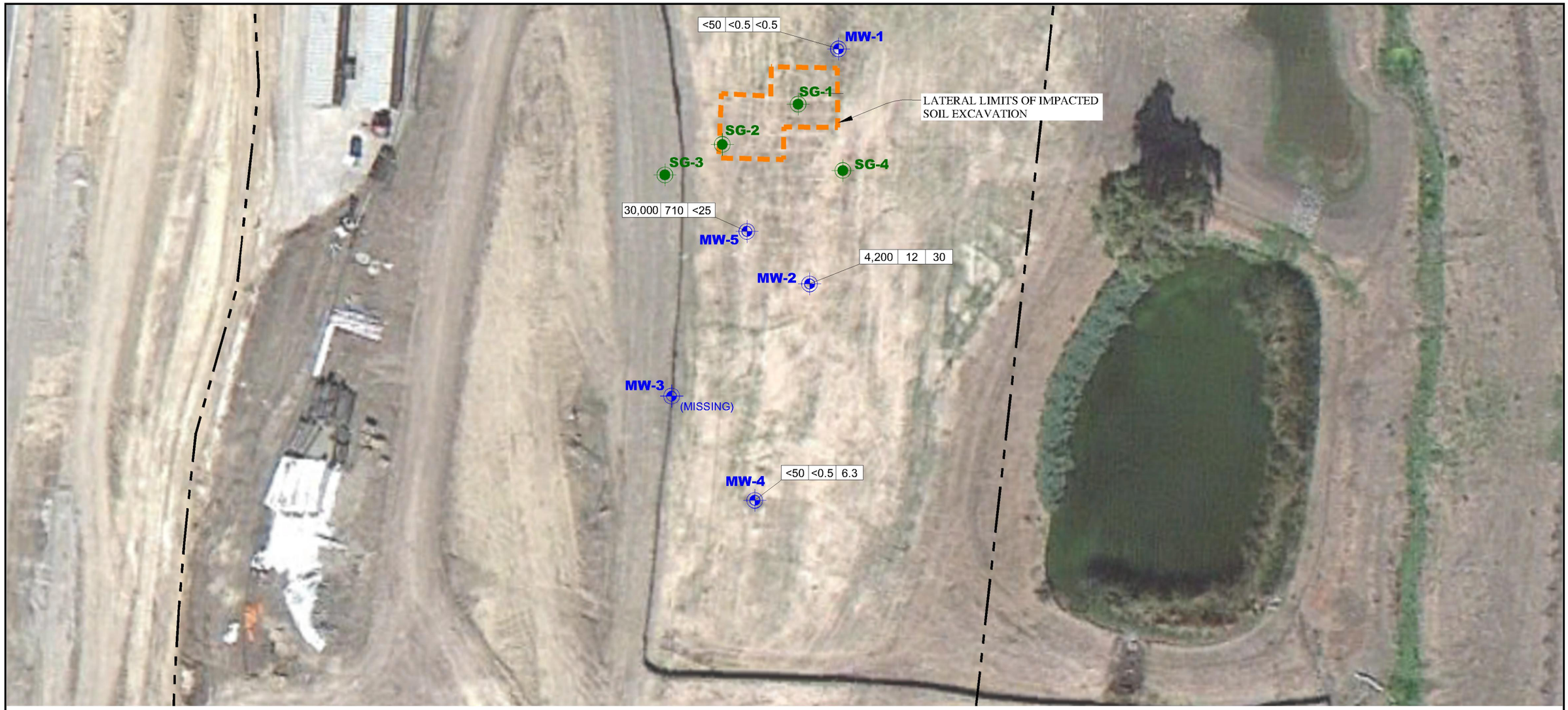

EXPLANATION

MW-5 — APPROXIMATE LOCATION OF MONITORING WELL

45,000 | 940 | 290
- MTBE (µg/L)
- BENZENE (µg/L)
- TPHg (µg/L)

(µg/L) — MICROGRAMS PER LITER

SG-4 — APPROXIMATE LOCATION OF SOIL GAS WELL

N

0 FEET 40
0 METERS 20

BASE MAP SOURCE: GOOGLE EARTH, ST. ANTON

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CONCENTRATIONS OF PETROLEUM HYDROCARBONS IN GROUNDWATER - FEBRUARY 2013

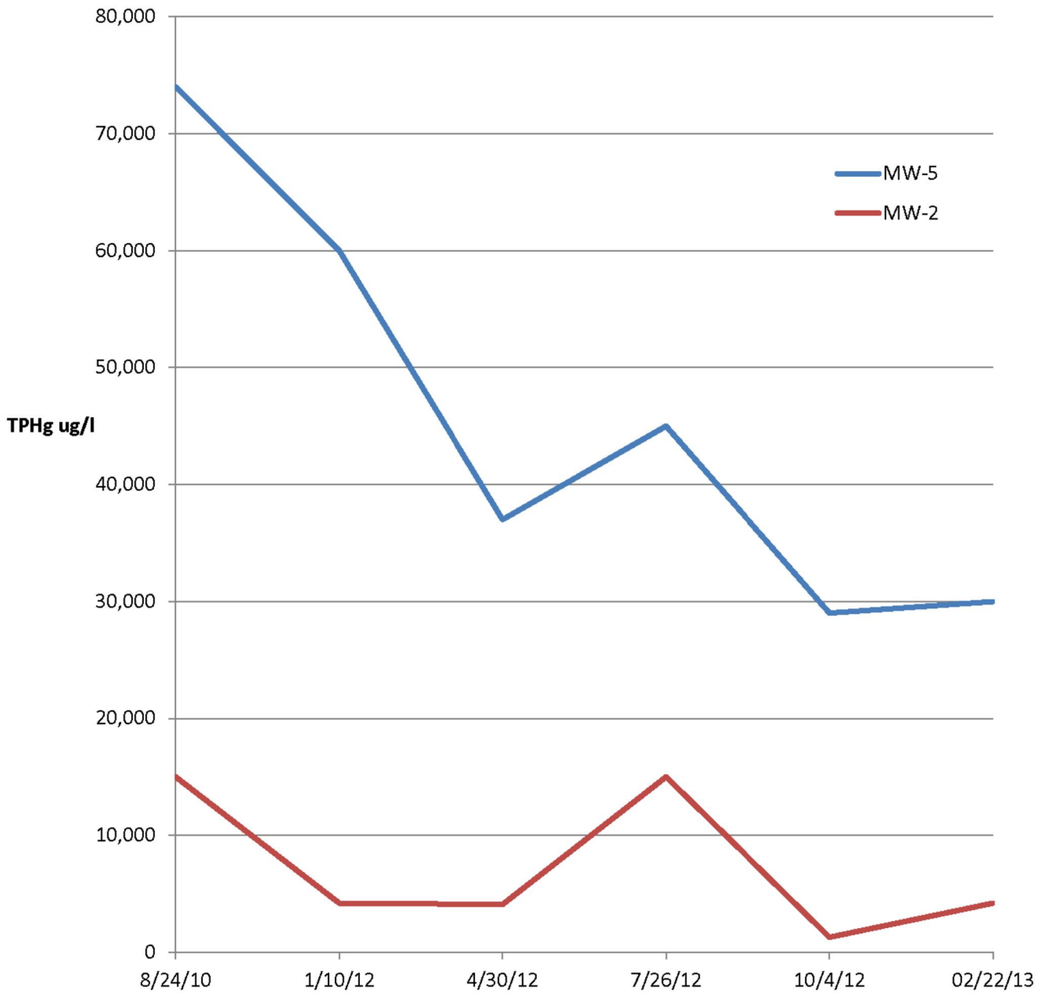
JORDAN RANCH - PARCEL H
DUBLIN, CALIFORNIA

PROJECT NO.: 7828.000.001		FIGURE NO. 3
SCALE: AS SHOWN		
DRAWN BY: SRP	CHECKED BY: SM	

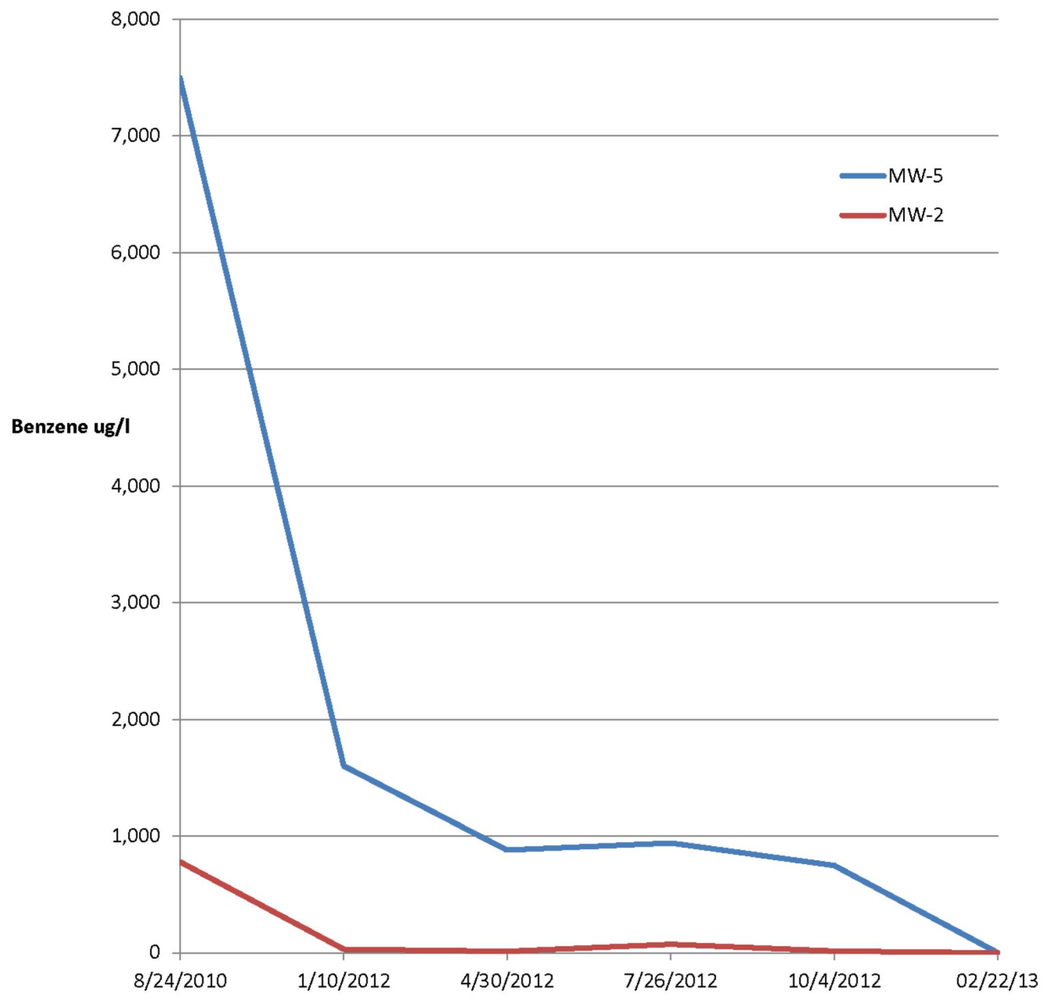
G:\Drafting\DRAFTING2_Dwg\7828\000\GW-MONITORING\Qtr1-2013\7828000001-ParcelH-3-PetroHydrocarbonsInGW-0313.dwg Plot Date: 4-23-13 dborde

ORIGINAL FIGURE PRINTED IN COLOR

TPHg in Groundwater Since Implementation of Soil and Groundwater Remediation



Benzene in Groundwater Since Implementation of Soil and Groundwater Remediation



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TPHG AND BENZENE IN GROUNDWATER
JORDAN RANCH - PARCEL H
DUBLIN, CALIFORNIA

PROJECT NO.: 7828.000.001
SCALE: NO SCALE
DRAWN BY: SRP
CHECKED BY: SM

FIGURE NO. 4

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ORIGINAL FIGURE PRINTED IN COLOR

TABLES

Table 1 – Groundwater Elevations
Table 2 – Groundwater Analytical Data

Table 1
Groundwater Elevations
Jordan Ranch
Dublin, California

Well Number	Date	Depth to Groundwater (1) (feet bgs)	Top of Casing Elevation (2) (feet)	Groundwater Elevation (feet msl)
MW-1	12/6/2005	17.08	425.73	408.65
	7/26/2006	13.92	425.73	411.81
	4/10/2008	11.64	425.73	414.09
	8/24/2010	11.75	425.73	413.98
	1/10/2012	10.52	425.73	415.21
	4/30/2012	10.40	425.73	415.33
	7/26/2012	10.58	425.73	415.15
	10/4/2012	11.51	425.73	414.22
	2/22/2013	10.20	425.73	415.53
MW-2	12/6/2005	18.01	424.98	406.97
	7/26/2006	15.44	424.98	409.54
	4/10/2008	14.02	424.98	410.96
	8/24/2010	14.17	424.98	410.81
	1/10/2012	12.83	424.98	412.15
	4/30/2012	12.20	424.98	412.78
	7/26/2012	12.60	424.98	412.38
	10/4/2012	13.68	424.98	411.30
	2/22/2013	12.20	425.73	413.53
MW-3	12/6/2005	17.35	421.47	404.12
	7/26/2006	14.20	421.47	407.27
	4/10/2008	12.31	421.47	409.16
	8/24/2010	12.29	421.47	409.18
	1/10/2012	Inadvertantly Covered by Grading Operations		
MW-4	12/6/2005	18.58	421.60	403.02
	7/26/2006	15.75	421.60	405.85
	4/10/2008	13.89	421.60	407.71
	8/24/2010	13.88	421.60	407.72
	1/10/2012	Obstruction in Casing		
	4/30/2012	11.52	421.60	410.08
	7/26/2012	11.80	421.60	409.80
	10/4/2012	12.55	421.60	409.05
	2/22/2013	11.20	425.73	414.53
MW-5	12/6/2005	16.40	424.04	407.64
	7/26/2006	13.89	424.04	410.15
	4/10/2008	12.24	424.04	411.80
	8/24/2010	12.20	424.04	411.84
	1/10/2012	11.11	424.04	412.93
	4/30/2012	10.50	424.04	413.54
	7/26/2012	10.85	424.04	413.19
	10/4/2012	12.24	424.04	411.80
	2/22/2013	10.40	425.73	415.33

NOTES:
bgs = Below ground surface msl = Mean sea level
(1) Depth to groundwater measured from top of well casing.
(2) Well casing elevations surveyed by Quite River Services, Inc. January 16, 2007.

TABLE 2
Cumulative Monitoring Well Analytical Data
Jordan Ranch Monitoring Wells

Well ID	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	Napthalene (ug/L)
MW-1	12/6/2005	NA	**64**	**2**	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
	4/10/2008	NA	<50	<0.5	<0.5	<0.5	<0.5	<50	NA
	8/24/2010	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	NA
	1/10/2012	<50	<50	<1	**1.1**	**1.1**	**2.4**	<4	NA
	4/30/2012	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	NA
	7/26/2012	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	NA
	10/4/2012	<50	<50	<0.5	<0.5	<0.5	<1	<0.5	<1
	02/22/13	<51	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0
MW-2	12/6/2005	NA	**3,400**	**470**	<25	**55**	**120**	**800**	**60**
	7/26/2006	**150**	**650**	**130**	<0.5	<0.5	<0.5	**510**	**15**
	4/10/2008	NA	**8,700**	**1,600**	**350**	**370**	**790**	**810**	NA
	8/24/2010	<50	**15,000**	**780**	**93**	**1,200**	**2,600**	**170**	NA
	1/10/2012	**1,100**	**4,200**	**32**	**10**	**210**	**337**	<4	NA
	4/30/2012	**620**	**4,100**	**14**	**10**	**340**	**660**	**21**	NA
	7/26/2012	**1,200**	**15,000**	**73**	**71**	**980**	**1,900**	**260**	NA
	10/4/2012	**250**	**1,300**	**16**	**3**	**150**	**120**	**11**	**46**
	02/22/13	**340**	**4,200**	**12**	**7.8**	**320**	**590**	**30**	**120**
MW-3	12/6/2005	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5
	4/10/2008	NA	**430**	**45**	**34**	**22**	**90**	<0.5	NA
	8/24/2010	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	NA
	1/10/2012	Well inadvertantly covered by grading operations							NA
MW-4	12/6/2005	NA	**70**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	<0.5
	4/10/2008	NA	**830**	**29**	**19**	**16**	**54**	**1,200**	NA
	8/24/2010	<50	<50	<0.5	<0.5	<0.5	<1.0	**80**	NA
	1/10/2012	Obstruction in well casing							NA
	4/30/2012	<50	<50	<0.5	<0.5	<0.5	<1.0	**14**	NA
	7/26/2012	<50	<50	<0.5	<0.5	<0.5	<1.0	**14**	NA
	10/4/2012	<50	<50	<0.5	<0.5	<0.5	<1.0	**3.9**	<1
	02/22/13	<50	<50	<0.50	<0.50	<0.50	<1.0	**6.3**	<1.0
MW-5	12/6/2005	NA	**53,000**	**13,000**	**1,300**	**930**	**4,400**	**7,000**	**560**
	7/26/2006	**560**	**15,000**	**4,100**	**580**	**200**	**870**	**2,200**	**130**
	4/10/2008	NA	**66,000**	**24,000**	**7,600**	**2,200**	**9,200**	<130	NA
	8/24/2010	<50	**74,000**	**7,500**	**11,000**	**2,700**	**13,000**	**100**	NA
	1/10/2012	**2,100**	**60,000**	**1,600**	**3,700**	**1,800**	**5,400**	<4	NA
	4/30/2012	**2,600**	**37,000**	**880**	**2,500**	**3,200**	**15,000**	**140**	NA
	7/26/2012	**2,200**	**45,000**	**940**	**2,300**	**3,300**	**14,000**	**290**	NA
	10/4/2012	**2,100**	**29,000**	**750**	**1,500**	**2,400**	**760**	**140**	**690**
	02/22/13	**1,100**	**30,000**	**710**	**1,200**	**2,400**	**8,800**	<25	**680**

NOTES:
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
MTBE = Methyl tert-butyl ether
(ug/L) = micrograms per liter or parts per billion

Remedial excavation and groundwater remediation implemented Fall 2011.

Monitoring Well Sampling Logs

7828.000.001
April 18, 2013

MONITORING WELL FIELD SAMPLING LOG

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Project:	Jordan Ranch	**Well ID**	**MW-1**
Project No.	7828.000.001		
Location:	Dublin, CA		
Technician:	C. Ing		

Activity: [x] Quarterly Sampling [ ] Develop/Sample

WELL SECURITY

Date 2/22/2013

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

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date

Well Type [x] Monitoring [ ] Extraction Well with Pump [ ] Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	29.40	(Enter measurements for wells with free product history)	
DTW = Depth to Water	10.2	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	19.20	DTFP (fbtoc)	2" = 0.17
WCV (gal)	3.3	DTW (fbtoc)	4" = 0.66
3 X WCV (Purge Vol)	**9.8**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date

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

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

Date

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

PHYSICAL PARAMETERS

Date

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (microS/cm)	DO (mg/L)	Salinity (%)	Turbidity (NTU)	Other ORP
12:00	0	18.6	7.19	1020	1.37			77.90
	3	18.9	7.76	1034				
	6	16.3	7.44	1038				
	9.8							

[ ] 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; VOCs, TPH-d, w/silica gel clean up					
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 Expect Excellence

Project:	Jordan Ranch	**Well ID**	**MW-2**
Project No.	7828.000.001		
Location:	Dublin, CA		
Technician:	C. Ing		

Activity: [x] Quarterly Sampling [ ] Develop/Sample

WELL SECURITY

Date 2/22/2013

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

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date

Well Type [x] Monitoring [ ] Extraction Well with Pump [ ] Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	29.60	(Enter measurements for wells with free product history)	
DTW = Depth to Water	12.2	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	17.40	DTFP (fbtoc)	2" = 0.17
WCV (gal)	3.0	DTW (fbtoc)	4" = 0.66
3 X WCV (Purge Vol)	**8.9**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date

Purging:	[ ] Disposable Bailer	[ ] 12-V Pump	[x] Subm. Pump	**Comments**
Sampling:	[x] Disposable Bailer	[ ] 12-V Pump	[ ] Subm. Pump	[ ] Other _____

Decon: Was purge pump decontaminated before and after this use? [x] Yes [ ] No

Decon Product: [x] TSP/Alconox Decon Rinse:

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

Date 10/4/2012

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

PHYSICAL PARAMETERS

Date 10/4/2012

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (microS/cm)	DO (mg/L)	Salinity (%)	Turbidity (NTU)	Other ORP
15:00	0	18.6	6.85	1045	0.09			-65.00
	2	19.10	8.08	1069				
	5.5	19.06	7.67	1056				
	8.9	19	7.55	1059				

[ ] 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; VOCs, TPH-d, w/silica gel clean up					
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 Expect Excellence

Project:	Jordan Ranch	**Well ID**	**MW-4**
Project No.	7828.000.001		
Location:	Dublin, CA		
Technician:	C. Ing		

Activity: [x] Quarterly Sampling [ ] Develop/Sample

WELL SECURITY

Date 2/22/2013

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

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date

Well Type [x] Monitoring [ ] Extraction Well with Pump [ ] Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	27.91	(Enter measurements for wells with free product history)	
DTW = Depth to Water	11.2	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	16.71	DTFP (fbtoc)	2" = 0.17
WCV (gal)	2.8	DTW (fbtoc)	4" = 0.66
3 X WCV (Purge Vol)	**8.5**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date

Purging:	[ ] Disposable Bailer	[ ] 12-V Pump	[x] Subm. Pump	**Comments**
Sampling:	[x] Disposable Bailer	[ ] 12-V Pump	[ ] Subm. Pump	[ ] Other _____

Decon: Was purge pump decontaminated before and after this use? [x] Yes [ ] No

Decon Product: [x] TSP/Alconox Decon Rinse:

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

Date

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

PHYSICAL PARAMETERS

Date

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (microS/cm)	DO (mg/L)	Salinity (%)	Turbidity (NTU)	Other ORP
13:30	0	18.60	7.05	1260	0.48			103.00
	3	18.80	7.48	1276				
	5.5	18.60	7.74	1295				
	8.5	18.7	7.85	1306				

[ ] 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; VOCs, TPH-d, w/silica gel clean up					
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 Expect Excellence

Project:	Jordan Ranch	**Well ID**	**MW-5**
Project No.	7828.000.001		
Location:	Dublin, CA		
Technician:	C. Ing		

Activity: [x] Quarterly Sampling [ ] Develop/Sample

WELL SECURITY

Date 2/22/2013

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

WELL CONSTRUCTION AND WATER LEVEL DETAILS

Date

Well Type [x] Monitoring [ ] Extraction Well with Pump [ ] Other

Well Diameter (in)	2	**Free Product Measurement**	
BOC (fbtoc)	29.48	(Enter measurements for wells with free product history)	
DTW = Depth to Water	10.4	Enter "0.0" if no measurable free product →	**WCV Factors**
WC (f)	19.08	DTFP (fbtoc)	2" = 0.17
WCV (gal)	3.2	DTW (fbtoc)	4" = 0.66
3 X WCV (Purge Vol)	**9.7**	FPT (ft)	6" = 1.50

PURGING, SAMPLING AND DECON EQUIPMENT

Date

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

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

Date

Drums Onsite Arrival	5	Drums All Labeled?	Yes	
Drums Used This Event	7	Drums Leaking?	No	Gallons
Total Drums Onsite Now	12	Purge Water Processed Through GWTS?		No

PHYSICAL PARAMETERS

Date

Time	Volume Purged (gal)	Temp (C degrees)	pH	EC (microS/cm)	DO (mg/L)	Salinity (%)	Turbidity (NTU)	Other ORP
16:30	0	19.37	6.78	1045	0.23			-87.50
	3	19.10	7.43	1042				
	6	19.09	7.05	1066				
	9.7	18.75	6.92	1099				

[ ] 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; VOCs, TPH-d, w/silica gel clean up					
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

ENGEO
Expect Excellence

Groundwater Laboratory Analytical Report and Chain-of-Custody Record

7828.000.001
April 18, 2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-47973-1
Client Project/Site: Jordan Ranch

For:
Engeo, Inc.
2213 Plaza Drive
Rocklin, California 95765

Attn: Ms. Morgan Johnson

Authorized for release by:
3/1/2013 4:28:45 PM

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

Table of Contents

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

Job ID: 720-47973-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-47973-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2013 6:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.7º C.

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.

Detection Summary

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

Client Sample ID: MW-1 — Lab Sample ID: 720-47973-1

No Detections

Client Sample ID: MW-4 — Lab Sample ID: 720-47973-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	6.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 720-47973-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	30		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Benzene	12		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
n-Butylbenzene	22		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
sec-Butylbenzene	16		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	320		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Isopropylbenzene	26		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Naphthalene	120		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
N-Propylbenzene	59		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
Toluene	7.8		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
1,2,4-Trimethylbenzene	260		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
1,3,5-Trimethylbenzene	65		5.0		ug/L	10		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	590		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	4200		500		ug/L	10		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	340		50		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-5 — Lab Sample ID: 720-47973-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	710		25		ug/L	50		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2400		25		ug/L	50		8260B/CA_LUFT MS	Total/NA
Isopropylbenzene	78		25		ug/L	50		8260B/CA_LUFT MS	Total/NA
Naphthalene	680		50		ug/L	50		8260B/CA_LUFT MS	Total/NA
N-Propylbenzene	180		50		ug/L	50		8260B/CA_LUFT MS	Total/NA
Toluene	1200		25		ug/L	50		8260B/CA_LUFT MS	Total/NA
1,2,4-Trimethylbenzene	1400		25		ug/L	50		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5 (Continued)

Lab Sample ID: 720-47973-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	320		25		ug/L	50		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	8800		50		ug/L	50		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	30000		2500		ug/L	50		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	1100		100		ug/L	2		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

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

Client Sample ID: MW-1
Date Collected: 02/22/13 12:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			02/26/13 11:38	1
Acetone	ND		50		ug/L			02/26/13 11:38	1
Benzene	ND		0.50		ug/L			02/26/13 11:38	1
Dichlorobromomethane	ND		0.50		ug/L			02/26/13 11:38	1
Bromobenzene	ND		1.0		ug/L			02/26/13 11:38	1
Chlorobromomethane	ND		1.0		ug/L			02/26/13 11:38	1
Bromoform	ND		1.0		ug/L			02/26/13 11:38	1
Bromomethane	ND		1.0		ug/L			02/26/13 11:38	1
2-Butanone (MEK)	ND		50		ug/L			02/26/13 11:38	1
n-Butylbenzene	ND		1.0		ug/L			02/26/13 11:38	1
sec-Butylbenzene	ND		1.0		ug/L			02/26/13 11:38	1
tert-Butylbenzene	ND		1.0		ug/L			02/26/13 11:38	1
Carbon disulfide	ND		5.0		ug/L			02/26/13 11:38	1
Carbon tetrachloride	ND		0.50		ug/L			02/26/13 11:38	1
Chlorobenzene	ND		0.50		ug/L			02/26/13 11:38	1
Chloroethane	ND		1.0		ug/L			02/26/13 11:38	1
Chloroform	ND		1.0		ug/L			02/26/13 11:38	1
Chloromethane	ND		1.0		ug/L			02/26/13 11:38	1
2-Chlorotoluene	ND		0.50		ug/L			02/26/13 11:38	1
4-Chlorotoluene	ND		0.50		ug/L			02/26/13 11:38	1
Chlorodibromomethane	ND		0.50		ug/L			02/26/13 11:38	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:38	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:38	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:38	1
1,3-Dichloropropane	ND		1.0		ug/L			02/26/13 11:38	1
1,1-Dichloropropene	ND		0.50		ug/L			02/26/13 11:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			02/26/13 11:38	1
Ethylene Dibromide	ND		0.50		ug/L			02/26/13 11:38	1
Dibromomethane	ND		0.50		ug/L			02/26/13 11:38	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/26/13 11:38	1
1,1-Dichloroethane	ND		0.50		ug/L			02/26/13 11:38	1
1,2-Dichloroethane	ND		0.50		ug/L			02/26/13 11:38	1
1,1-Dichloroethene	ND		0.50		ug/L			02/26/13 11:38	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 11:38	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 11:38	1
1,2-Dichloropropane	ND		0.50		ug/L			02/26/13 11:38	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 11:38	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 11:38	1
Ethylbenzene	ND		0.50		ug/L			02/26/13 11:38	1
Hexachlorobutadiene	ND		1.0		ug/L			02/26/13 11:38	1
2-Hexanone	ND		50		ug/L			02/26/13 11:38	1
Isopropylbenzene	ND		0.50		ug/L			02/26/13 11:38	1
4-Isopropyltoluene	ND		1.0		ug/L			02/26/13 11:38	1
Methylene Chloride	ND		5.0		ug/L			02/26/13 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			02/26/13 11:38	1
Naphthalene	ND		1.0		ug/L			02/26/13 11:38	1
N-Propylbenzene	ND		1.0		ug/L			02/26/13 11:38	1
Styrene	ND		0.50		ug/L			02/26/13 11:38	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 11:38	1

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

Client Sample ID: MW-1
Date Collected: 02/22/13 12:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 11:38	1
Tetrachloroethene	ND		0.50		ug/L			02/26/13 11:38	1
Toluene	ND		0.50		ug/L			02/26/13 11:38	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			02/26/13 11:38	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/26/13 11:38	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/26/13 11:38	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/26/13 11:38	1
Trichloroethene	ND		0.50		ug/L			02/26/13 11:38	1
Trichlorofluoromethane	ND		1.0		ug/L			02/26/13 11:38	1
1,2,3-Trichloropropane	ND		0.50		ug/L			02/26/13 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/26/13 11:38	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			02/26/13 11:38	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			02/26/13 11:38	1
Vinyl acetate	ND		10		ug/L			02/26/13 11:38	1
Vinyl chloride	ND		0.50		ug/L			02/26/13 11:38	1
Xylenes, Total	ND		1.0		ug/L			02/26/13 11:38	1
2,2-Dichloropropane	ND		0.50		ug/L			02/26/13 11:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/26/13 11:38	1
TBA	ND		4.0		ug/L			02/26/13 11:38	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/26/13 11:38	1
DIPE	ND		0.50		ug/L			02/26/13 11:38	1
TAME	ND		0.50		ug/L			02/26/13 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*02/26/13 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*02/26/13 11:38*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/26/13 11:38*	*1*

Client Sample ID: MW-4
Date Collected: 02/22/13 14:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**6.3**		0.50		ug/L			02/26/13 11:30	1
Acetone	ND		50		ug/L			02/26/13 11:30	1
Benzene	ND		0.50		ug/L			02/26/13 11:30	1
Dichlorobromomethane	ND		0.50		ug/L			02/26/13 11:30	1
Bromobenzene	ND		1.0		ug/L			02/26/13 11:30	1
Chlorobromomethane	ND		1.0		ug/L			02/26/13 11:30	1
Bromoform	ND		1.0		ug/L			02/26/13 11:30	1
Bromomethane	ND		1.0		ug/L			02/26/13 11:30	1
2-Butanone (MEK)	ND		50		ug/L			02/26/13 11:30	1
n-Butylbenzene	ND		1.0		ug/L			02/26/13 11:30	1
sec-Butylbenzene	ND		1.0		ug/L			02/26/13 11:30	1
tert-Butylbenzene	ND		1.0		ug/L			02/26/13 11:30	1
Carbon disulfide	ND		5.0		ug/L			02/26/13 11:30	1
Carbon tetrachloride	ND		0.50		ug/L			02/26/13 11:30	1
Chlorobenzene	ND		0.50		ug/L			02/26/13 11:30	1
Chloroethane	ND		1.0		ug/L			02/26/13 11:30	1
Chloroform	ND		1.0		ug/L			02/26/13 11:30	1

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

Client Sample ID: MW-4
Date Collected: 02/22/13 14:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			02/26/13 11:30	1
2-Chlorotoluene	ND		0.50		ug/L			02/26/13 11:30	1
4-Chlorotoluene	ND		0.50		ug/L			02/26/13 11:30	1
Chlorodibromomethane	ND		0.50		ug/L			02/26/13 11:30	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:30	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:30	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/26/13 11:30	1
1,3-Dichloropropane	ND		1.0		ug/L			02/26/13 11:30	1
1,1-Dichloropropene	ND		0.50		ug/L			02/26/13 11:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			02/26/13 11:30	1
Ethylene Dibromide	ND		0.50		ug/L			02/26/13 11:30	1
Dibromomethane	ND		0.50		ug/L			02/26/13 11:30	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/26/13 11:30	1
1,1-Dichloroethane	ND		0.50		ug/L			02/26/13 11:30	1
1,2-Dichloroethane	ND		0.50		ug/L			02/26/13 11:30	1
1,1-Dichloroethene	ND		0.50		ug/L			02/26/13 11:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 11:30	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 11:30	1
1,2-Dichloropropane	ND		0.50		ug/L			02/26/13 11:30	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 11:30	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 11:30	1
Ethylbenzene	ND		0.50		ug/L			02/26/13 11:30	1
Hexachlorobutadiene	ND		1.0		ug/L			02/26/13 11:30	1
2-Hexanone	ND		50		ug/L			02/26/13 11:30	1
Isopropylbenzene	ND		0.50		ug/L			02/26/13 11:30	1
4-Isopropyltoluene	ND		1.0		ug/L			02/26/13 11:30	1
Methylene Chloride	ND		5.0		ug/L			02/26/13 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			02/26/13 11:30	1
Naphthalene	ND		1.0		ug/L			02/26/13 11:30	1
N-Propylbenzene	ND		1.0		ug/L			02/26/13 11:30	1
Styrene	ND		0.50		ug/L			02/26/13 11:30	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 11:30	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 11:30	1
Tetrachloroethene	ND		0.50		ug/L			02/26/13 11:30	1
Toluene	ND		0.50		ug/L			02/26/13 11:30	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			02/26/13 11:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/26/13 11:30	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/26/13 11:30	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/26/13 11:30	1
Trichloroethene	ND		0.50		ug/L			02/26/13 11:30	1
Trichlorofluoromethane	ND		1.0		ug/L			02/26/13 11:30	1
1,2,3-Trichloropropane	ND		0.50		ug/L			02/26/13 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/26/13 11:30	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			02/26/13 11:30	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			02/26/13 11:30	1
Vinyl acetate	ND		10		ug/L			02/26/13 11:30	1
Vinyl chloride	ND		0.50		ug/L			02/26/13 11:30	1
Xylenes, Total	ND		1.0		ug/L			02/26/13 11:30	1
2,2-Dichloropropane	ND		0.50		ug/L			02/26/13 11:30	1

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

Client Sample ID: MW-4
Date Collected: 02/22/13 14:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/26/13 11:30	1
TBA	ND		4.0		ug/L			02/26/13 11:30	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/26/13 11:30	1
DIPE	ND		0.50		ug/L			02/26/13 11:30	1
TAME	ND		0.50		ug/L			02/26/13 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 130*		*02/26/13 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*		*02/26/13 11:30*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/26/13 11:30*	*1*

Client Sample ID: MW-2
Date Collected: 02/22/13 15:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**30**		5.0		ug/L			02/26/13 16:20	10
Acetone	ND		500		ug/L			02/26/13 16:20	10
Benzene	**12**		5.0		ug/L			02/26/13 16:20	10
Dichlorobromomethane	ND		5.0		ug/L			02/26/13 16:20	10
Bromobenzene	ND		10		ug/L			02/26/13 16:20	10
Chlorobromomethane	ND		10		ug/L			02/26/13 16:20	10
Bromoform	ND		10		ug/L			02/26/13 16:20	10
Bromomethane	ND		10		ug/L			02/26/13 16:20	10
2-Butanone (MEK)	ND		500		ug/L			02/26/13 16:20	10
n-Butylbenzene	**22**		10		ug/L			02/26/13 16:20	10
sec-Butylbenzene	**16**		10		ug/L			02/26/13 16:20	10
tert-Butylbenzene	ND		10		ug/L			02/26/13 16:20	10
Carbon disulfide	ND		50		ug/L			02/26/13 16:20	10
Carbon tetrachloride	ND		5.0		ug/L			02/26/13 16:20	10
Chlorobenzene	ND		5.0		ug/L			02/26/13 16:20	10
Chloroethane	ND		10		ug/L			02/26/13 16:20	10
Chloroform	ND		10		ug/L			02/26/13 16:20	10
Chloromethane	ND		10		ug/L			02/26/13 16:20	10
2-Chlorotoluene	ND		5.0		ug/L			02/26/13 16:20	10
4-Chlorotoluene	ND		5.0		ug/L			02/26/13 16:20	10
Chlorodibromomethane	ND		5.0		ug/L			02/26/13 16:20	10
1,2-Dichlorobenzene	ND		5.0		ug/L			02/26/13 16:20	10
1,3-Dichlorobenzene	ND		5.0		ug/L			02/26/13 16:20	10
1,4-Dichlorobenzene	ND		5.0		ug/L			02/26/13 16:20	10
1,3-Dichloropropane	ND		10		ug/L			02/26/13 16:20	10
1,1-Dichloropropene	ND		5.0		ug/L			02/26/13 16:20	10
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			02/26/13 16:20	10
Ethylene Dibromide	ND		5.0		ug/L			02/26/13 16:20	10
Dibromomethane	ND		5.0		ug/L			02/26/13 16:20	10
Dichlorodifluoromethane	ND		5.0		ug/L			02/26/13 16:20	10
1,1-Dichloroethane	ND		5.0		ug/L			02/26/13 16:20	10
1,2-Dichloroethane	ND		5.0		ug/L			02/26/13 16:20	10
1,1-Dichloroethene	ND		5.0		ug/L			02/26/13 16:20	10
cis-1,2-Dichloroethene	ND		5.0		ug/L			02/26/13 16:20	10

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

Client Sample ID: MW-2
Date Collected: 02/22/13 15:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.0		ug/L			02/26/13 16:20	10
1,2-Dichloropropane	ND		5.0		ug/L			02/26/13 16:20	10
cis-1,3-Dichloropropene	ND		5.0		ug/L			02/26/13 16:20	10
trans-1,3-Dichloropropene	ND		5.0		ug/L			02/26/13 16:20	10
Ethylbenzene	**320**		5.0		ug/L			02/26/13 16:20	10
Hexachlorobutadiene	ND		10		ug/L			02/26/13 16:20	10
2-Hexanone	ND		500		ug/L			02/26/13 16:20	10
Isopropylbenzene	**26**		5.0		ug/L			02/26/13 16:20	10
4-Isopropyltoluene	ND		10		ug/L			02/26/13 16:20	10
Methylene Chloride	ND		50		ug/L			02/26/13 16:20	10
4-Methyl-2-pentanone (MIBK)	ND		500		ug/L			02/26/13 16:20	10
Naphthalene	**120**		10		ug/L			02/26/13 16:20	10
N-Propylbenzene	**59**		10		ug/L			02/26/13 16:20	10
Styrene	ND		5.0		ug/L			02/26/13 16:20	10
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			02/26/13 16:20	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			02/26/13 16:20	10
Tetrachloroethene	ND		5.0		ug/L			02/26/13 16:20	10
Toluene	**7.8**		5.0		ug/L			02/26/13 16:20	10
1,2,3-Trichlorobenzene	ND		10		ug/L			02/26/13 16:20	10
1,2,4-Trichlorobenzene	ND		10		ug/L			02/26/13 16:20	10
1,1,1-Trichloroethane	ND		5.0		ug/L			02/26/13 16:20	10
1,1,2-Trichloroethane	ND		5.0		ug/L			02/26/13 16:20	10
Trichloroethene	ND		5.0		ug/L			02/26/13 16:20	10
Trichlorofluoromethane	ND		10		ug/L			02/26/13 16:20	10
1,2,3-Trichloropropane	ND		5.0		ug/L			02/26/13 16:20	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			02/26/13 16:20	10
1,2,4-Trimethylbenzene	**260**		5.0		ug/L			02/26/13 16:20	10
1,3,5-Trimethylbenzene	**65**		5.0		ug/L			02/26/13 16:20	10
Vinyl acetate	ND		100		ug/L			02/26/13 16:20	10
Vinyl chloride	ND		5.0		ug/L			02/26/13 16:20	10
Xylenes, Total	**590**		10		ug/L			02/26/13 16:20	10
2,2-Dichloropropane	ND		5.0		ug/L			02/26/13 16:20	10
Gasoline Range Organics (GRO) -C5-C12	**4200**		500		ug/L			02/26/13 16:20	10
TBA	ND		40		ug/L			02/26/13 16:20	10
Ethyl tert-butyl ether	ND		5.0		ug/L			02/26/13 16:20	10
DIPE	ND		5.0		ug/L			02/26/13 16:20	10
TAME	ND		5.0		ug/L			02/26/13 16:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*02/26/13 16:20*	*10*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*02/26/13 16:20*	*10*
Toluene-d8 (Surr)	*105*		*70 - 130*		*02/26/13 16:20*	*10*

Client Sample ID: MW-5
Date Collected: 02/22/13 17:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		25		ug/L			02/26/13 17:09	50
Acetone	ND		2500		ug/L			02/26/13 17:09	50

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

Client Sample ID: MW-5
Date Collected: 02/22/13 17:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**710**		25		ug/L			02/26/13 17:09	50
Dichlorobromomethane	ND		25		ug/L			02/26/13 17:09	50
Bromobenzene	ND		50		ug/L			02/26/13 17:09	50
Chlorobromomethane	ND		50		ug/L			02/26/13 17:09	50
Bromoform	ND		50		ug/L			02/26/13 17:09	50
Bromomethane	ND		50		ug/L			02/26/13 17:09	50
2-Butanone (MEK)	ND		2500		ug/L			02/26/13 17:09	50
n-Butylbenzene	ND		50		ug/L			02/26/13 17:09	50
sec-Butylbenzene	ND		50		ug/L			02/26/13 17:09	50
tert-Butylbenzene	ND		50		ug/L			02/26/13 17:09	50
Carbon disulfide	ND		250		ug/L			02/26/13 17:09	50
Carbon tetrachloride	ND		25		ug/L			02/26/13 17:09	50
Chlorobenzene	ND		25		ug/L			02/26/13 17:09	50
Chloroethane	ND		50		ug/L			02/26/13 17:09	50
Chloroform	ND		50		ug/L			02/26/13 17:09	50
Chloromethane	ND		50		ug/L			02/26/13 17:09	50
2-Chlorotoluene	ND		25		ug/L			02/26/13 17:09	50
4-Chlorotoluene	ND		25		ug/L			02/26/13 17:09	50
Chlorodibromomethane	ND		25		ug/L			02/26/13 17:09	50
1,2-Dichlorobenzene	ND		25		ug/L			02/26/13 17:09	50
1,3-Dichlorobenzene	ND		25		ug/L			02/26/13 17:09	50
1,4-Dichlorobenzene	ND		25		ug/L			02/26/13 17:09	50
1,3-Dichloropropane	ND		50		ug/L			02/26/13 17:09	50
1,1-Dichloropropene	ND		25		ug/L			02/26/13 17:09	50
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			02/26/13 17:09	50
Ethylene Dibromide	ND		25		ug/L			02/26/13 17:09	50
Dibromomethane	ND		25		ug/L			02/26/13 17:09	50
Dichlorodifluoromethane	ND		25		ug/L			02/26/13 17:09	50
1,1-Dichloroethane	ND		25		ug/L			02/26/13 17:09	50
1,2-Dichloroethane	ND		25		ug/L			02/26/13 17:09	50
1,1-Dichloroethene	ND		25		ug/L			02/26/13 17:09	50
cis-1,2-Dichloroethene	ND		25		ug/L			02/26/13 17:09	50
trans-1,2-Dichloroethene	ND		25		ug/L			02/26/13 17:09	50
1,2-Dichloropropane	ND		25		ug/L			02/26/13 17:09	50
cis-1,3-Dichloropropene	ND		25		ug/L			02/26/13 17:09	50
trans-1,3-Dichloropropene	ND		25		ug/L			02/26/13 17:09	50
Ethylbenzene	**2400**		25		ug/L			02/26/13 17:09	50
Hexachlorobutadiene	ND		50		ug/L			02/26/13 17:09	50
2-Hexanone	ND		2500		ug/L			02/26/13 17:09	50
Isopropylbenzene	**78**		25		ug/L			02/26/13 17:09	50
4-Isopropyltoluene	ND		50		ug/L			02/26/13 17:09	50
Methylene Chloride	ND		250		ug/L			02/26/13 17:09	50
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/L			02/26/13 17:09	50
Naphthalene	**680**		50		ug/L			02/26/13 17:09	50
N-Propylbenzene	**180**		50		ug/L			02/26/13 17:09	50
Styrene	ND		25		ug/L			02/26/13 17:09	50
1,1,1,2-Tetrachloroethane	ND		25		ug/L			02/26/13 17:09	50
1,1,2,2-Tetrachloroethane	ND		25		ug/L			02/26/13 17:09	50
Tetrachloroethene	ND		25		ug/L			02/26/13 17:09	50

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

Client Sample ID: MW-5
Date Collected: 02/22/13 17:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**1200**		25		ug/L			02/26/13 17:09	50
1,2,3-Trichlorobenzene	ND		50		ug/L			02/26/13 17:09	50
1,2,4-Trichlorobenzene	ND		50		ug/L			02/26/13 17:09	50
1,1,1-Trichloroethane	ND		25		ug/L			02/26/13 17:09	50
1,1,2-Trichloroethane	ND		25		ug/L			02/26/13 17:09	50
Trichloroethene	ND		25		ug/L			02/26/13 17:09	50
Trichlorofluoromethane	ND		50		ug/L			02/26/13 17:09	50
1,2,3-Trichloropropane	ND		25		ug/L			02/26/13 17:09	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25		ug/L			02/26/13 17:09	50
1,2,4-Trimethylbenzene	**1400**		25		ug/L			02/26/13 17:09	50
1,3,5-Trimethylbenzene	**320**		25		ug/L			02/26/13 17:09	50
Vinyl acetate	ND		500		ug/L			02/26/13 17:09	50
Vinyl chloride	ND		25		ug/L			02/26/13 17:09	50
Xylenes, Total	**8800**		50		ug/L			02/26/13 17:09	50
2,2-Dichloropropane	ND		25		ug/L			02/26/13 17:09	50
Gasoline Range Organics (GRO) -C5-C12	**30000**		2500		ug/L			02/26/13 17:09	50
TBA	ND		200		ug/L			02/26/13 17:09	50
Ethyl tert-butyl ether	ND		25		ug/L			02/26/13 17:09	50
DIPE	ND		25		ug/L			02/26/13 17:09	50
TAME	ND		25		ug/L			02/26/13 17:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*67 - 130*		*02/26/13 17:09*	*50*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 138*		*02/26/13 17:09*	*50*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/26/13 17:09*	*50*

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

Client Sample ID: MW-1
Date Collected: 02/22/13 12:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		02/23/13 16:19	02/23/13 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 5*	*02/23/13 16:19*	*02/23/13 23:51*	*1*
p-Terphenyl	*74*		*31 - 150*	*02/23/13 16:19*	*02/23/13 23:51*	*1*

Client Sample ID: MW-4
Date Collected: 02/22/13 14:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/23/13 16:19	02/24/13 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 5*	*02/23/13 16:19*	*02/24/13 00:20*	*1*
p-Terphenyl	*80*		*31 - 150*	*02/23/13 16:19*	*02/24/13 00:20*	*1*

Client Sample ID: MW-2
Date Collected: 02/22/13 15:30
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**340**		50		ug/L		02/23/13 16:19	02/24/13 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/23/13 16:19*	*02/24/13 00:49*	*1*
p-Terphenyl	*79*		*31 - 150*	*02/23/13 16:19*	*02/24/13 00:49*	*1*

Client Sample ID: MW-5
Date Collected: 02/22/13 17:00
Date Received: 02/22/13 18:20

Lab Sample ID: 720-47973-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1100**		100		ug/L		02/23/13 16:19	02/26/13 21:06	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.1*		*0 - 5*	*02/23/13 16:19*	*02/26/13 21:06*	*2*
p-Terphenyl	*74*		*31 - 150*	*02/23/13 16:19*	*02/26/13 21:06*	*2*

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

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

Lab Sample ID: MB 720-131251/4
Matrix: Water
Analysis Batch: 131251

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			02/26/13 08:04	1
Acetone	ND		50		ug/L			02/26/13 08:04	1
Benzene	ND		0.50		ug/L			02/26/13 08:04	1
Dichlorobromomethane	ND		0.50		ug/L			02/26/13 08:04	1
Bromobenzene	ND		1.0		ug/L			02/26/13 08:04	1
Chlorobromomethane	ND		1.0		ug/L			02/26/13 08:04	1
Bromoform	ND		1.0		ug/L			02/26/13 08:04	1
Bromomethane	ND		1.0		ug/L			02/26/13 08:04	1
2-Butanone (MEK)	ND		50		ug/L			02/26/13 08:04	1
n-Butylbenzene	ND		1.0		ug/L			02/26/13 08:04	1
sec-Butylbenzene	ND		1.0		ug/L			02/26/13 08:04	1
tert-Butylbenzene	ND		1.0		ug/L			02/26/13 08:04	1
Carbon disulfide	ND		5.0		ug/L			02/26/13 08:04	1
Carbon tetrachloride	ND		0.50		ug/L			02/26/13 08:04	1
Chlorobenzene	ND		0.50		ug/L			02/26/13 08:04	1
Chloroethane	ND		1.0		ug/L			02/26/13 08:04	1
Chloroform	ND		1.0		ug/L			02/26/13 08:04	1
Chloromethane	ND		1.0		ug/L			02/26/13 08:04	1
2-Chlorotoluene	ND		0.50		ug/L			02/26/13 08:04	1
4-Chlorotoluene	ND		0.50		ug/L			02/26/13 08:04	1
Chlorodibromomethane	ND		0.50		ug/L			02/26/13 08:04	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:04	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:04	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:04	1
1,3-Dichloropropane	ND		1.0		ug/L			02/26/13 08:04	1
1,1-Dichloropropene	ND		0.50		ug/L			02/26/13 08:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			02/26/13 08:04	1
Ethylene Dibromide	ND		0.50		ug/L			02/26/13 08:04	1
Dibromomethane	ND		0.50		ug/L			02/26/13 08:04	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/26/13 08:04	1
1,1-Dichloroethane	ND		0.50		ug/L			02/26/13 08:04	1
1,2-Dichloroethane	ND		0.50		ug/L			02/26/13 08:04	1
1,1-Dichloroethene	ND		0.50		ug/L			02/26/13 08:04	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 08:04	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 08:04	1
1,2-Dichloropropane	ND		0.50		ug/L			02/26/13 08:04	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 08:04	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 08:04	1
Ethylbenzene	ND		0.50		ug/L			02/26/13 08:04	1
Hexachlorobutadiene	ND		1.0		ug/L			02/26/13 08:04	1
2-Hexanone	ND		50		ug/L			02/26/13 08:04	1
Isopropylbenzene	ND		0.50		ug/L			02/26/13 08:04	1
4-Isopropyltoluene	ND		1.0		ug/L			02/26/13 08:04	1
Methylene Chloride	ND		5.0		ug/L			02/26/13 08:04	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			02/26/13 08:04	1
Naphthalene	ND		1.0		ug/L			02/26/13 08:04	1
N-Propylbenzene	ND		1.0		ug/L			02/26/13 08:04	1
Styrene	ND		0.50		ug/L			02/26/13 08:04	1

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

Lab Sample ID: MB 720-131251/4
Matrix: Water
Analysis Batch: 131251

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 08:04	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 08:04	1
Tetrachloroethene	ND		0.50		ug/L			02/26/13 08:04	1
Toluene	ND		0.50		ug/L			02/26/13 08:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			02/26/13 08:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/26/13 08:04	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/26/13 08:04	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/26/13 08:04	1
Trichloroethene	ND		0.50		ug/L			02/26/13 08:04	1
Trichlorofluoromethane	ND		1.0		ug/L			02/26/13 08:04	1
1,2,3-Trichloropropane	ND		0.50		ug/L			02/26/13 08:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/26/13 08:04	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			02/26/13 08:04	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			02/26/13 08:04	1
Vinyl acetate	ND		10		ug/L			02/26/13 08:04	1
Vinyl chloride	ND		0.50		ug/L			02/26/13 08:04	1
Xylenes, Total	ND		1.0		ug/L			02/26/13 08:04	1
2,2-Dichloropropane	ND		0.50		ug/L			02/26/13 08:04	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/26/13 08:04	1
TBA	ND		4.0		ug/L			02/26/13 08:04	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/26/13 08:04	1
DIPE	ND		0.50		ug/L			02/26/13 08:04	1
TAME	ND		0.50		ug/L			02/26/13 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*67 - 130*		*02/26/13 08:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*		*02/26/13 08:04*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/26/13 08:04*	*1*

Lab Sample ID: LCS 720-131251/5
Matrix: Water
Analysis Batch: 131251

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	27.1		ug/L		108	62 - 130
Acetone	125	121		ug/L		97	26 - 180
Benzene	25.0	25.9		ug/L		103	79 - 130
Dichlorobromomethane	25.0	28.3		ug/L		113	70 - 130
Bromobenzene	25.0	26.7		ug/L		107	70 - 130
Chlorobromomethane	25.0	27.3		ug/L		109	70 - 130
Bromoform	25.0	28.0		ug/L		112	68 - 136
Bromomethane	25.0	24.0		ug/L		96	43 - 151
2-Butanone (MEK)	125	135		ug/L		108	54 - 130
n-Butylbenzene	25.0	29.0		ug/L		116	70 - 142
sec-Butylbenzene	25.0	26.1		ug/L		105	70 - 134
tert-Butylbenzene	25.0	27.2		ug/L		109	70 - 135
Carbon disulfide	25.0	20.9		ug/L		84	58 - 130

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

Lab Sample ID: LCS 720-131251/5
Matrix: Water
Analysis Batch: 131251

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	25.0	27.7		ug/L		111	70 - 146
Chlorobenzene	25.0	26.5		ug/L		106	70 - 130
Chloroethane	25.0	24.2		ug/L		97	62 - 138
Chloroform	25.0	25.0		ug/L		100	70 - 130
Chloromethane	25.0	21.2		ug/L		85	52 - 175
2-Chlorotoluene	25.0	28.7		ug/L		115	70 - 130
4-Chlorotoluene	25.0	28.4		ug/L		114	70 - 130
Chlorodibromomethane	25.0	27.7		ug/L		111	70 - 145
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130
1,3-Dichlorobenzene	25.0	27.1		ug/L		108	70 - 130
1,4-Dichlorobenzene	25.0	27.1		ug/L		108	70 - 130
1,3-Dichloropropane	25.0	27.7		ug/L		111	70 - 130
1,1-Dichloropropene	25.0	29.2		ug/L		117	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	28.2		ug/L		113	70 - 136
Ethylene Dibromide	25.0	29.2		ug/L		117	70 - 130
Dibromomethane	25.0	27.6		ug/L		111	70 - 130
Dichlorodifluoromethane	25.0	18.8		ug/L		75	34 - 132
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	25.8		ug/L		103	61 - 132
1,1-Dichloroethene	25.0	25.1		ug/L		101	64 - 128
cis-1,2-Dichloroethene	25.0	27.1		ug/L		108	70 - 130
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	68 - 130
1,2-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
cis-1,3-Dichloropropene	25.0	29.6		ug/L		118	70 - 130
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	70 - 140
Ethylbenzene	25.0	26.3		ug/L		105	80 - 120
Hexachlorobutadiene	25.0	25.7		ug/L		103	70 - 130
2-Hexanone	125	124		ug/L		99	60 - 164
Isopropylbenzene	25.0	27.9		ug/L		111	70 - 130
4-Isopropyltoluene	25.0	27.8		ug/L		111	70 - 130
Methylene Chloride	25.0	25.9		ug/L		103	70 - 147
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	58 - 130
Naphthalene	25.0	25.5		ug/L		102	70 - 130
N-Propylbenzene	25.0	30.3		ug/L		121	70 - 130
Styrene	25.0	26.7		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	25.0	28.5		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	25.0	28.4		ug/L		114	70 - 130
Tetrachloroethene	25.0	27.0		ug/L		108	70 - 130
Toluene	25.0	26.0		ug/L		104	78 - 120
1,2,3-Trichlorobenzene	25.0	27.0		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	25.0	28.5		ug/L		114	70 - 130
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	70 - 130
1,1,2-Trichloroethane	25.0	27.1		ug/L		108	70 - 130
Trichloroethene	25.0	26.8		ug/L		107	70 - 130
Trichlorofluoromethane	25.0	25.3		ug/L		101	66 - 132
1,2,3-Trichloropropane	25.0	28.3		ug/L		113	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0		ug/L		96	42 - 162

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

Lab Sample ID: LCS 720-131251/5
Matrix: Water
Analysis Batch: 131251

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 132
1,3,5-Trimethylbenzene	25.0	26.6		ug/L		106	70 - 130
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163
Vinyl chloride	25.0	21.9		ug/L		88	54 - 135
m-Xylene & p-Xylene	50.0	56.4		ug/L		113	70 - 142
o-Xylene	25.0	27.0		ug/L		108	70 - 130
2,2-Dichloropropane	25.0	30.6		ug/L		122	70 - 140
TBA	500	488		ug/L		98	70 - 130
Ethyl tert-butyl ether	25.0	25.0		ug/L		100	70 - 130
DIPE	25.0	26.1		ug/L		105	69 - 134
TAME	25.0	27.5		ug/L		110	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCS 720-131251/7
Matrix: Water
Analysis Batch: 131251

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	489		ug/L		98	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 720-131251/6
Matrix: Water
Analysis Batch: 131251

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	28.1		ug/L		112	62 - 130	4	20
Acetone	125	125		ug/L		100	26 - 180	3	30
Benzene	25.0	26.3		ug/L		105	79 - 130	2	20
Dichlorobromomethane	25.0	28.6		ug/L		114	70 - 130	1	20
Bromobenzene	25.0	26.7		ug/L		107	70 - 130	0	20
Chlorobromomethane	25.0	27.7		ug/L		111	70 - 130	1	20
Bromoform	25.0	28.5		ug/L		114	68 - 136	2	20
Bromomethane	25.0	22.8		ug/L		91	43 - 151	5	20
2-Butanone (MEK)	125	141		ug/L		113	54 - 130	5	20
n-Butylbenzene	25.0	29.6		ug/L		118	70 - 142	2	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 134	2	20
tert-Butylbenzene	25.0	27.8		ug/L		111	70 - 135	2	20
Carbon disulfide	25.0	20.7		ug/L		83	58 - 130	1	20

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

Lab Sample ID: LCSD 720-131251/6
Matrix: Water
Analysis Batch: 131251

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
Carbon tetrachloride	25.0	28.5		ug/L		114	70 - 146	3	20
Chlorobenzene	25.0	26.7		ug/L		107	70 - 130	1	20
Chloroethane	25.0	22.8		ug/L		91	62 - 138	6	20
Chloroform	25.0	25.2		ug/L		101	70 - 130	1	20
Chloromethane	25.0	20.5		ug/L		82	52 - 175	3	20
2-Chlorotoluene	25.0	28.8		ug/L		115	70 - 130	0	20
4-Chlorotoluene	25.0	28.6		ug/L		114	70 - 130	1	20
Chlorodibromomethane	25.0	27.8		ug/L		111	70 - 145	0	20
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	70 - 130	1	20
1,3-Dichlorobenzene	25.0	27.4		ug/L		110	70 - 130	1	20
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	70 - 130	1	20
1,3-Dichloropropane	25.0	28.0		ug/L		112	70 - 130	1	20
1,1-Dichloropropene	25.0	30.0		ug/L		120	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	29.5		ug/L		118	70 - 136	5	20
Ethylene Dibromide	25.0	29.4		ug/L		118	70 - 130	1	20
Dibromomethane	25.0	27.8		ug/L		111	70 - 130	1	20
Dichlorodifluoromethane	25.0	18.0		ug/L		72	34 - 132	4	20
1,1-Dichloroethane	25.0	26.2		ug/L		105	70 - 130	1	20
1,2-Dichloroethane	25.0	26.0		ug/L		104	61 - 132	1	20
1,1-Dichloroethene	25.0	25.8		ug/L		103	64 - 128	2	20
cis-1,2-Dichloroethene	25.0	27.4		ug/L		109	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	68 - 130	2	20
1,2-Dichloropropane	25.0	26.8		ug/L		107	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	30.0		ug/L		120	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	70 - 140	2	20
Ethylbenzene	25.0	26.7		ug/L		107	80 - 120	1	20
Hexachlorobutadiene	25.0	27.0		ug/L		108	70 - 130	5	20
2-Hexanone	125	128		ug/L		102	60 - 164	3	20
Isopropylbenzene	25.0	28.4		ug/L		114	70 - 130	2	20
4-Isopropyltoluene	25.0	28.4		ug/L		114	70 - 130	2	20
Methylene Chloride	25.0	26.0		ug/L		104	70 - 147	0	20
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130	3	20
Naphthalene	25.0	27.3		ug/L		109	70 - 130	7	20
N-Propylbenzene	25.0	30.7		ug/L		123	70 - 130	1	20
Styrene	25.0	26.8		ug/L		107	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	28.7		ug/L		115	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	29.2		ug/L		117	70 - 130	3	20
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130	1	20
Toluene	25.0	26.4		ug/L		106	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	28.6		ug/L		114	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	29.6		ug/L		119	70 - 130	4	20
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	70 - 130	3	20
1,1,2-Trichloroethane	25.0	27.7		ug/L		111	70 - 130	2	20
Trichloroethene	25.0	27.2		ug/L		109	70 - 130	2	20
Trichlorofluoromethane	25.0	24.9		ug/L		99	66 - 132	2	20
1,2,3-Trichloropropane	25.0	28.8		ug/L		115	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		98	42 - 162	2	20

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

Lab Sample ID: LCSD 720-131251/6
Matrix: Water
Analysis Batch: 131251

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
1,2,4-Trimethylbenzene			25.0	26.7		ug/L		107	70 - 132	1	20
1,3,5-Trimethylbenzene			25.0	27.0		ug/L		108	70 - 130	1	20
Vinyl acetate			25.0	24.8		ug/L		99	43 - 163	1	20
Vinyl chloride			25.0	20.8		ug/L		83	54 - 135	5	20
m-Xylene & p-Xylene			50.0	57.1		ug/L		114	70 - 142	1	20
o-Xylene			25.0	27.4		ug/L		109	70 - 130	1	20
2,2-Dichloropropane			25.0	30.9		ug/L		124	70 - 140	1	20
TBA			500	486		ug/L		97	70 - 130	0	20
Ethyl tert-butyl ether			25.0	25.8		ug/L		103	70 - 130	3	20
DIPE			25.0	26.5		ug/L		106	69 - 134	1	20
TAME			25.0	28.2		ug/L		113	79 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-131251/8
Matrix: Water
Analysis Batch: 131251

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	488		ug/L		98	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 720-47973-1 MS
Matrix: Water
Analysis Batch: 131251

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
Methyl tert-butyl ether	ND		25.0	30.4		ug/L		121	60 - 138
Acetone	ND		125	107		ug/L		85	60 - 140
Benzene	ND		25.0	25.8		ug/L		103	60 - 140
Dichlorobromomethane	ND		25.0	29.7		ug/L		119	60 - 140
Bromobenzene	ND		25.0	25.8		ug/L		103	60 - 140
Chlorobromomethane	ND		25.0	28.3		ug/L		113	60 - 140
Bromoform	ND		25.0	29.1		ug/L		116	56 - 140
Bromomethane	ND		25.0	22.1		ug/L		88	23 - 140
2-Butanone (MEK)	ND		125	134		ug/L		107	60 - 140
n-Butylbenzene	ND		25.0	27.1		ug/L		108	60 - 140
sec-Butylbenzene	ND		25.0	24.2		ug/L		97	60 - 140
tert-Butylbenzene	ND		25.0	25.4		ug/L		101	60 - 140
Carbon disulfide	ND		25.0	18.9		ug/L		75	38 - 140

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

Lab Sample ID: 720-47973-1 MS
Matrix: Water
Analysis Batch: 131251

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
Carbon tetrachloride	ND		25.0	26.7		ug/L		107	60 - 140
Chlorobenzene	ND		25.0	26.3		ug/L		105	60 - 140
Chloroethane	ND		25.0	22.2		ug/L		89	51 - 140
Chloroform	ND		25.0	25.4		ug/L		101	60 - 140
Chloromethane	ND		25.0	18.2		ug/L		73	52 - 140
2-Chlorotoluene	ND		25.0	26.9		ug/L		108	60 - 140
4-Chlorotoluene	ND		25.0	27.1		ug/L		109	60 - 140
Chlorodibromomethane	ND		25.0	30.1		ug/L		120	60 - 140
1,2-Dichlorobenzene	ND		25.0	25.6		ug/L		102	60 - 140
1,3-Dichlorobenzene	ND		25.0	26.5		ug/L		106	60 - 140
1,4-Dichlorobenzene	ND		25.0	26.4		ug/L		106	60 - 140
1,3-Dichloropropane	ND		25.0	29.5		ug/L		118	60 - 140
1,1-Dichloropropene	ND		25.0	28.1		ug/L		112	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	26.0		ug/L		104	60 - 140
Ethylene Dibromide	ND		25.0	31.5		ug/L		126	60 - 140
Dibromomethane	ND		25.0	28.7		ug/L		115	60 - 140
Dichlorodifluoromethane	ND		25.0	16.4		ug/L		66	38 - 140
1,1-Dichloroethane	ND		25.0	25.6		ug/L		102	60 - 140
1,2-Dichloroethane	ND		25.0	27.2		ug/L		109	60 - 140
1,1-Dichloroethene	ND		25.0	23.7		ug/L		95	60 - 140
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		109	60 - 140
trans-1,2-Dichloroethene	ND		25.0	24.9		ug/L		100	60 - 140
1,2-Dichloropropane	ND		25.0	27.7		ug/L		111	60 - 140
cis-1,3-Dichloropropene	ND		25.0	30.9		ug/L		124	60 - 140
trans-1,3-Dichloropropene	ND		25.0	27.0		ug/L		108	60 - 140
Ethylbenzene	ND		25.0	25.5		ug/L		102	60 - 140
Hexachlorobutadiene	ND		25.0	24.1		ug/L		96	60 - 140
2-Hexanone	ND		125	133		ug/L		107	60 - 140
Isopropylbenzene	ND		25.0	27.2		ug/L		109	60 - 140
4-Isopropyltoluene	ND		25.0	26.2		ug/L		105	60 - 140
Methylene Chloride	ND		25.0	25.9		ug/L		104	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	136		ug/L		109	58 - 130
Naphthalene	ND		25.0	24.9		ug/L		99	56 - 140
N-Propylbenzene	ND		25.0	28.1		ug/L		113	60 - 140
Styrene	ND		25.0	26.2		ug/L		105	60 - 140
1,1,1,2-Tetrachloroethane	ND		25.0	28.9		ug/L		115	60 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	27.9		ug/L		112	60 - 140
Tetrachloroethene	ND		25.0	26.7		ug/L		107	60 - 140
Toluene	ND		25.0	24.9		ug/L		99	60 - 140
1,2,3-Trichlorobenzene	ND		25.0	26.3		ug/L		105	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	27.7		ug/L		111	60 - 140
1,1,1-Trichloroethane	ND		25.0	26.2		ug/L		105	60 - 140
1,1,2-Trichloroethane	ND		25.0	29.4		ug/L		118	60 - 140
Trichloroethene	ND		25.0	26.2		ug/L		105	60 - 140
Trichlorofluoromethane	ND		25.0	23.1		ug/L		93	60 - 140
1,2,3-Trichloropropane	ND		25.0	27.0		ug/L		108	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.1		ug/L		92	60 - 140

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

Lab Sample ID: 720-47973-1 MS
Matrix: Water
Analysis Batch: 131251

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
1,2,4-Trimethylbenzene	ND		25.0	25.0		ug/L		100	60 - 140
1,3,5-Trimethylbenzene	ND		25.0	25.1		ug/L		101	60 - 140
Vinyl acetate	ND		25.0	24.8		ug/L		99	40 - 140
Vinyl chloride	ND		25.0	18.8		ug/L		75	58 - 140
m-Xylene & p-Xylene	ND		50.0	55.2		ug/L		110	60 - 140
o-Xylene	ND		25.0	27.2		ug/L		109	60 - 140
2,2-Dichloropropane	ND		25.0	28.3		ug/L		113	60 - 140
TBA	ND		500	493		ug/L		99	60 - 140
Ethyl tert-butyl ether	ND		25.0	28.4		ug/L		114	60 - 140
DIPE	ND		25.0	28.6		ug/L		114	60 - 140
TAME	ND		25.0	30.7		ug/L		123	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: 720-47973-1 MSD
Matrix: Water
Analysis Batch: 131251

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	29.7		ug/L		119	60 - 138	2	20
Acetone	ND		125	96.1		ug/L		77	60 - 140	10	20
Benzene	ND		25.0	25.7		ug/L		103	60 - 140	0	20
Dichlorobromomethane	ND		25.0	29.5		ug/L		118	60 - 140	1	20
Bromobenzene	ND		25.0	26.0		ug/L		104	60 - 140	1	20
Chlorobromomethane	ND		25.0	28.0		ug/L		112	60 - 140	1	20
Bromoform	ND		25.0	27.8		ug/L		111	56 - 140	4	20
Bromomethane	ND		25.0	21.8		ug/L		87	23 - 140	1	20
2-Butanone (MEK)	ND		125	122		ug/L		98	60 - 140	9	20
n-Butylbenzene	ND		25.0	26.9		ug/L		107	60 - 140	1	20
sec-Butylbenzene	ND		25.0	24.2		ug/L		97	60 - 140	0	20
tert-Butylbenzene	ND		25.0	25.6		ug/L		102	60 - 140	1	20
Carbon disulfide	ND		25.0	19.3		ug/L		77	38 - 140	2	20
Carbon tetrachloride	ND		25.0	26.8		ug/L		107	60 - 140	0	20
Chlorobenzene	ND		25.0	26.0		ug/L		104	60 - 140	1	20
Chloroethane	ND		25.0	21.9		ug/L		88	51 - 140	1	20
Chloroform	ND		25.0	25.3		ug/L		101	60 - 140	0	20
Chloromethane	ND		25.0	18.6		ug/L		74	52 - 140	2	20
2-Chlorotoluene	ND		25.0	27.3		ug/L		109	60 - 140	1	20
4-Chlorotoluene	ND		25.0	27.2		ug/L		109	60 - 140	0	20
Chlorodibromomethane	ND		25.0	29.5		ug/L		118	60 - 140	2	20
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140	0	20
1,3-Dichlorobenzene	ND		25.0	26.5		ug/L		106	60 - 140	0	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	60 - 140	1	20
1,3-Dichloropropane	ND		25.0	28.9		ug/L		116	60 - 140	2	20
1,1-Dichloropropene	ND		25.0	28.0		ug/L		112	60 - 140	1	20

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

Lab Sample ID: 720-47973-1 MSD
Matrix: Water
Analysis Batch: 131251

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
1,2-Dibromo-3-Chloropropane	ND		25.0	24.7		ug/L		99	60 - 140	5	20
Ethylene Dibromide	ND		25.0	30.0		ug/L		120	60 - 140	5	20
Dibromomethane	ND		25.0	27.9		ug/L		112	60 - 140	3	20
Dichlorodifluoromethane	ND		25.0	16.3		ug/L		65	38 - 140	0	20
1,1-Dichloroethane	ND		25.0	25.7		ug/L		103	60 - 140	1	20
1,2-Dichloroethane	ND		25.0	26.5		ug/L		106	60 - 140	2	20
1,1-Dichloroethene	ND		25.0	23.9		ug/L		96	60 - 140	1	20
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	60 - 140	0	20
trans-1,2-Dichloroethene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
1,2-Dichloropropane	ND		25.0	27.7		ug/L		111	60 - 140	0	20
cis-1,3-Dichloropropene	ND		25.0	31.0		ug/L		124	60 - 140	0	20
trans-1,3-Dichloropropene	ND		25.0	26.8		ug/L		107	60 - 140	1	20
Ethylbenzene	ND		25.0	25.4		ug/L		102	60 - 140	0	20
Hexachlorobutadiene	ND		25.0	23.8		ug/L		95	60 - 140	1	20
2-Hexanone	ND		125	118		ug/L		95	60 - 140	12	20
Isopropylbenzene	ND		25.0	26.7		ug/L		107	60 - 140	2	20
4-Isopropyltoluene	ND		25.0	26.2		ug/L		105	60 - 140	0	20
Methylene Chloride	ND		25.0	26.0		ug/L		104	40 - 140	0	20
4-Methyl-2-pentanone (MIBK)	ND		125	123		ug/L		99	58 - 130	10	20
Naphthalene	ND		25.0	24.4		ug/L		97	56 - 140	2	20
N-Propylbenzene	ND		25.0	28.3		ug/L		113	60 - 140	1	20
Styrene	ND		25.0	26.3		ug/L		105	60 - 140	0	20
1,1,1,2-Tetrachloroethane	ND		25.0	28.9		ug/L		116	60 - 140	0	20
1,1,2,2-Tetrachloroethane	ND		25.0	26.8		ug/L		107	60 - 140	4	20
Tetrachloroethene	ND		25.0	26.5		ug/L		106	60 - 140	1	20
Toluene	ND		25.0	24.6		ug/L		98	60 - 140	1	20
1,2,3-Trichlorobenzene	ND		25.0	27.4		ug/L		110	60 - 140	4	20
1,2,4-Trichlorobenzene	ND		25.0	28.5		ug/L		114	60 - 140	3	20
1,1,1-Trichloroethane	ND		25.0	26.4		ug/L		106	60 - 140	1	20
1,1,2-Trichloroethane	ND		25.0	28.2		ug/L		113	60 - 140	4	20
Trichloroethene	ND		25.0	26.2		ug/L		105	60 - 140	0	20
Trichlorofluoromethane	ND		25.0	23.4		ug/L		94	60 - 140	1	20
1,2,3-Trichloropropane	ND		25.0	25.7		ug/L		103	60 - 140	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.3		ug/L		93	60 - 140	1	20
1,2,4-Trimethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140	1	20
1,3,5-Trimethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140	1	20
Vinyl acetate	ND		25.0	23.9		ug/L		96	40 - 140	4	20
Vinyl chloride	ND		25.0	18.9		ug/L		75	58 - 140	0	20
m-Xylene & p-Xylene	ND		50.0	54.5		ug/L		109	60 - 140	1	20
o-Xylene	ND		25.0	26.8		ug/L		107	60 - 140	2	20
2,2-Dichloropropane	ND		25.0	28.4		ug/L		114	60 - 140	0	20
TBA	ND		500	502		ug/L		100	60 - 140	2	20
Ethyl tert-butyl ether	ND		25.0	28.1		ug/L		113	60 - 140	1	20
DIPE	ND		25.0	28.6		ug/L		114	60 - 140	0	20
TAME	ND		25.0	30.3		ug/L		121	60 - 140	1	20

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

Lab Sample ID: 720-47973-1 MSD
Matrix: Water
Analysis Batch: 131251

Client Sample ID: MW-1
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 720-131256/4
Matrix: Water
Analysis Batch: 131256

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			02/26/13 08:02	1
Acetone	ND		50		ug/L			02/26/13 08:02	1
Benzene	ND		0.50		ug/L			02/26/13 08:02	1
Dichlorobromomethane	ND		0.50		ug/L			02/26/13 08:02	1
Bromobenzene	ND		1.0		ug/L			02/26/13 08:02	1
Chlorobromomethane	ND		1.0		ug/L			02/26/13 08:02	1
Bromoform	ND		1.0		ug/L			02/26/13 08:02	1
Bromomethane	ND		1.0		ug/L			02/26/13 08:02	1
2-Butanone (MEK)	ND		50		ug/L			02/26/13 08:02	1
n-Butylbenzene	ND		1.0		ug/L			02/26/13 08:02	1
sec-Butylbenzene	ND		1.0		ug/L			02/26/13 08:02	1
tert-Butylbenzene	ND		1.0		ug/L			02/26/13 08:02	1
Carbon disulfide	ND		5.0		ug/L			02/26/13 08:02	1
Carbon tetrachloride	ND		0.50		ug/L			02/26/13 08:02	1
Chlorobenzene	ND		0.50		ug/L			02/26/13 08:02	1
Chloroethane	ND		1.0		ug/L			02/26/13 08:02	1
Chloroform	ND		1.0		ug/L			02/26/13 08:02	1
Chloromethane	ND		1.0		ug/L			02/26/13 08:02	1
2-Chlorotoluene	ND		0.50		ug/L			02/26/13 08:02	1
4-Chlorotoluene	ND		0.50		ug/L			02/26/13 08:02	1
Chlorodibromomethane	ND		0.50		ug/L			02/26/13 08:02	1
1,2-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:02	1
1,3-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:02	1
1,4-Dichlorobenzene	ND		0.50		ug/L			02/26/13 08:02	1
1,3-Dichloropropane	ND		1.0		ug/L			02/26/13 08:02	1
1,1-Dichloropropene	ND		0.50		ug/L			02/26/13 08:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			02/26/13 08:02	1
Ethylene Dibromide	ND		0.50		ug/L			02/26/13 08:02	1
Dibromomethane	ND		0.50		ug/L			02/26/13 08:02	1
Dichlorodifluoromethane	ND		0.50		ug/L			02/26/13 08:02	1
1,1-Dichloroethane	ND		0.50		ug/L			02/26/13 08:02	1
1,2-Dichloroethane	ND		0.50		ug/L			02/26/13 08:02	1
1,1-Dichloroethene	ND		0.50		ug/L			02/26/13 08:02	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 08:02	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			02/26/13 08:02	1
1,2-Dichloropropane	ND		0.50		ug/L			02/26/13 08:02	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 08:02	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			02/26/13 08:02	1
Ethylbenzene	ND		0.50		ug/L			02/26/13 08:02	1

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

Lab Sample ID: MB 720-131256/4
Matrix: Water
Analysis Batch: 131256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0		ug/L			02/26/13 08:02	1
2-Hexanone	ND		50		ug/L			02/26/13 08:02	1
Isopropylbenzene	ND		0.50		ug/L			02/26/13 08:02	1
4-Isopropyltoluene	ND		1.0		ug/L			02/26/13 08:02	1
Methylene Chloride	ND		5.0		ug/L			02/26/13 08:02	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			02/26/13 08:02	1
Naphthalene	ND		1.0		ug/L			02/26/13 08:02	1
N-Propylbenzene	ND		1.0		ug/L			02/26/13 08:02	1
Styrene	ND		0.50		ug/L			02/26/13 08:02	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 08:02	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			02/26/13 08:02	1
Tetrachloroethene	ND		0.50		ug/L			02/26/13 08:02	1
Toluene	ND		0.50		ug/L			02/26/13 08:02	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			02/26/13 08:02	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			02/26/13 08:02	1
1,1,1-Trichloroethane	ND		0.50		ug/L			02/26/13 08:02	1
1,1,2-Trichloroethane	ND		0.50		ug/L			02/26/13 08:02	1
Trichloroethene	ND		0.50		ug/L			02/26/13 08:02	1
Trichlorofluoromethane	ND		1.0		ug/L			02/26/13 08:02	1
1,2,3-Trichloropropane	ND		0.50		ug/L			02/26/13 08:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			02/26/13 08:02	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			02/26/13 08:02	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			02/26/13 08:02	1
Vinyl acetate	ND		10		ug/L			02/26/13 08:02	1
Vinyl chloride	ND		0.50		ug/L			02/26/13 08:02	1
Xylenes, Total	ND		1.0		ug/L			02/26/13 08:02	1
2,2-Dichloropropane	ND		0.50		ug/L			02/26/13 08:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/26/13 08:02	1
TBA	ND		4.0		ug/L			02/26/13 08:02	1
Ethyl tert-butyl ether	ND		0.50		ug/L			02/26/13 08:02	1
DIPE	ND		0.50		ug/L			02/26/13 08:02	1
TAME	ND		0.50		ug/L			02/26/13 08:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*67 - 130*		*02/26/13 08:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 138*		*02/26/13 08:02*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/26/13 08:02*	*1*

Lab Sample ID: LCS 720-131256/5
Matrix: Water
Analysis Batch: 131256

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	25.8		ug/L		103	62 - 130
Acetone	125	156		ug/L		125	26 - 180
Benzene	25.0	25.1		ug/L		100	79 - 130
Dichlorobromomethane	25.0	26.4		ug/L		106	70 - 130

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

Lab Sample ID: LCS 720-131256/5
Matrix: Water
Analysis Batch: 131256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	25.0	24.9		ug/L		100	70 - 130
Chlorobromomethane	25.0	28.5		ug/L		114	70 - 130
Bromoform	25.0	25.3		ug/L		101	68 - 136
Bromomethane	25.0	25.8		ug/L		103	43 - 151
2-Butanone (MEK)	125	131		ug/L		105	54 - 130
n-Butylbenzene	25.0	25.2		ug/L		101	70 - 142
sec-Butylbenzene	25.0	24.7		ug/L		99	70 - 134
tert-Butylbenzene	25.0	25.2		ug/L		101	70 - 135
Carbon disulfide	25.0	18.8		ug/L		75	58 - 130
Carbon tetrachloride	25.0	26.1		ug/L		104	70 - 146
Chlorobenzene	25.0	25.9		ug/L		103	70 - 130
Chloroethane	25.0	25.2		ug/L		101	62 - 138
Chloroform	25.0	26.4		ug/L		106	70 - 130
Chloromethane	25.0	24.8		ug/L		99	52 - 175
2-Chlorotoluene	25.0	24.0		ug/L		96	70 - 130
4-Chlorotoluene	25.0	23.9		ug/L		96	70 - 130
Chlorodibromomethane	25.0	25.1		ug/L		100	70 - 145
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	70 - 130
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	70 - 130
1,3-Dichloropropane	25.0	26.9		ug/L		108	70 - 130
1,1-Dichloropropene	25.0	27.1		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	31.0		ug/L		124	70 - 136
Ethylene Dibromide	25.0	28.6		ug/L		114	70 - 130
Dibromomethane	25.0	26.4		ug/L		106	70 - 130
Dichlorodifluoromethane	25.0	21.1		ug/L		84	34 - 132
1,1-Dichloroethane	25.0	25.2		ug/L		101	70 - 130
1,2-Dichloroethane	25.0	24.8		ug/L		99	61 - 132
1,1-Dichloroethene	25.0	24.8		ug/L		99	64 - 128
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	70 - 130
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	68 - 130
1,2-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	70 - 130
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	70 - 140
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	27.1		ug/L		109	70 - 130
2-Hexanone	125	140		ug/L		112	60 - 164
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130
4-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130
Methylene Chloride	25.0	24.0		ug/L		96	70 - 147
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	58 - 130
Naphthalene	25.0	25.7		ug/L		103	70 - 130
N-Propylbenzene	25.0	25.2		ug/L		101	70 - 130
Styrene	25.0	26.7		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	25.0	28.8		ug/L		115	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		101	70 - 130
Tetrachloroethene	25.0	30.3		ug/L		121	70 - 130
Toluene	25.0	24.5		ug/L		98	78 - 120

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

Lab Sample ID: LCS 720-131256/5
Matrix: Water
Analysis Batch: 131256

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,3-Trichlorobenzene			25.0	26.3		ug/L		105	70 - 130		
1,2,4-Trichlorobenzene			25.0	26.2		ug/L		105	70 - 130		
1,1,1-Trichloroethane			25.0	28.0		ug/L		112	70 - 130		
1,1,2-Trichloroethane			25.0	25.5		ug/L		102	70 - 130		
Trichloroethene			25.0	28.3		ug/L		113	70 - 130		
Trichlorofluoromethane			25.0	29.2		ug/L		117	66 - 132		
1,2,3-Trichloropropane			25.0	25.7		ug/L		103	70 - 130		
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	26.2		ug/L		105	42 - 162		
1,2,4-Trimethylbenzene			25.0	24.4		ug/L		98	70 - 132		
1,3,5-Trimethylbenzene			25.0	24.6		ug/L		98	70 - 130		
Vinyl acetate			25.0	26.7		ug/L		107	43 - 163		
Vinyl chloride			25.0	23.2		ug/L		93	54 - 135		
m-Xylene & p-Xylene			50.0	51.7		ug/L		103	70 - 142		
o-Xylene			25.0	26.9		ug/L		108	70 - 130		
2,2-Dichloropropane			25.0	31.4		ug/L		126	70 - 140		
TBA			500	516		ug/L		103	70 - 130		
Ethyl tert-butyl ether			25.0	26.5		ug/L		106	70 - 130		
DIPE			25.0	26.6		ug/L		106	69 - 134		
TAME			25.0	26.9		ug/L		108	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-131256/7
Matrix: Water
Analysis Batch: 131256

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	469		ug/L		94	62 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-131256/6
Matrix: Water
Analysis Batch: 131256

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	26.0		ug/L		104	62 - 130	1	20
Acetone			125	162		ug/L		130	26 - 180	4	30
Benzene			25.0	24.9		ug/L		100	79 - 130	1	20
Dichlorobromomethane			25.0	26.0		ug/L		104	70 - 130	1	20

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

Lab Sample ID: LCSD 720-131256/6
Matrix: Water
Analysis Batch: 131256

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
Bromobenzene	25.0	25.9		ug/L		104	70 - 130	4	20
Chlorobromomethane	25.0	27.6		ug/L		110	70 - 130	3	20
Bromoform	25.0	25.6		ug/L		102	68 - 136	1	20
Bromomethane	25.0	24.0		ug/L		96	43 - 151	7	20
2-Butanone (MEK)	125	133		ug/L		106	54 - 130	2	20
n-Butylbenzene	25.0	25.4		ug/L		102	70 - 142	1	20
sec-Butylbenzene	25.0	25.5		ug/L		102	70 - 134	3	20
tert-Butylbenzene	25.0	26.5		ug/L		106	70 - 135	5	20
Carbon disulfide	25.0	19.4		ug/L		77	58 - 130	3	20
Carbon tetrachloride	25.0	26.0		ug/L		104	70 - 146	0	20
Chlorobenzene	25.0	26.3		ug/L		105	70 - 130	2	20
Chloroethane	25.0	23.5		ug/L		94	62 - 138	7	20
Chloroform	25.0	25.8		ug/L		103	70 - 130	2	20
Chloromethane	25.0	23.3		ug/L		93	52 - 175	6	20
2-Chlorotoluene	25.0	24.9		ug/L		99	70 - 130	4	20
4-Chlorotoluene	25.0	24.7		ug/L		99	70 - 130	3	20
Chlorodibromomethane	25.0	24.5		ug/L		98	70 - 145	2	20
1,2-Dichlorobenzene	25.0	25.6		ug/L		103	70 - 130	3	20
1,3-Dichlorobenzene	25.0	26.8		ug/L		107	70 - 130	2	20
1,4-Dichlorobenzene	25.0	26.7		ug/L		107	70 - 130	3	20
1,3-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	2	20
1,1-Dichloropropene	25.0	27.5		ug/L		110	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	30.8		ug/L		123	70 - 136	0	20
Ethylene Dibromide	25.0	28.3		ug/L		113	70 - 130	1	20
Dibromomethane	25.0	26.4		ug/L		106	70 - 130	0	20
Dichlorodifluoromethane	25.0	19.9		ug/L		80	34 - 132	6	20
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130	1	20
1,2-Dichloroethane	25.0	24.3		ug/L		97	61 - 132	2	20
1,1-Dichloroethene	25.0	24.3		ug/L		97	64 - 128	2	20
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	68 - 130	0	20
1,2-Dichloropropane	25.0	25.0		ug/L		100	70 - 130	0	20
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	70 - 140	1	20
Ethylbenzene	25.0	25.8		ug/L		103	80 - 120	1	20
Hexachlorobutadiene	25.0	26.1		ug/L		104	70 - 130	4	20
2-Hexanone	125	138		ug/L		111	60 - 164	2	20
Isopropylbenzene	25.0	28.2		ug/L		113	70 - 130	2	20
4-Isopropyltoluene	25.0	26.5		ug/L		106	70 - 130	2	20
Methylene Chloride	25.0	23.7		ug/L		95	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	58 - 130	1	20
Naphthalene	25.0	24.6		ug/L		98	70 - 130	5	20
N-Propylbenzene	25.0	26.1		ug/L		104	70 - 130	3	20
Styrene	25.0	27.1		ug/L		108	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	29.0		ug/L		116	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	26.3		ug/L		105	70 - 130	4	20
Tetrachloroethene	25.0	30.1		ug/L		121	70 - 130	1	20
Toluene	25.0	25.1		ug/L		100	78 - 120	2	20

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

Lab Sample ID: LCSD 720-131256/6
Matrix: Water
Analysis Batch: 131256

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
1,2,3-Trichlorobenzene			25.0	25.2		ug/L		101	70 - 130	4	20
1,2,4-Trichlorobenzene			25.0	25.1		ug/L		100	70 - 130	4	20
1,1,1-Trichloroethane			25.0	28.6		ug/L		114	70 - 130	2	20
1,1,2-Trichloroethane			25.0	25.9		ug/L		103	70 - 130	1	20
Trichloroethene			25.0	27.4		ug/L		109	70 - 130	3	20
Trichlorofluoromethane			25.0	26.9		ug/L		108	66 - 132	8	20
1,2,3-Trichloropropane			25.0	27.1		ug/L		108	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	26.2		ug/L		105	42 - 162	0	20
1,2,4-Trimethylbenzene			25.0	25.4		ug/L		102	70 - 132	4	20
1,3,5-Trimethylbenzene			25.0	25.6		ug/L		102	70 - 130	4	20
Vinyl acetate			25.0	26.8		ug/L		107	43 - 163	0	20
Vinyl chloride			25.0	21.9		ug/L		87	54 - 135	6	20
m-Xylene & p-Xylene			50.0	52.4		ug/L		105	70 - 142	1	20
o-Xylene			25.0	27.2		ug/L		109	70 - 130	1	20
2,2-Dichloropropane			25.0	33.8		ug/L		135	70 - 140	7	20
TBA			500	508		ug/L		102	70 - 130	2	20
Ethyl tert-butyl ether			25.0	26.7		ug/L		107	70 - 130	1	20
DIPE			25.0	26.1		ug/L		104	69 - 134	2	20
TAME			25.0	26.7		ug/L		107	79 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-131256/8
Matrix: Water
Analysis Batch: 131256

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	487		ug/L		97	62 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 720-47973-2 MS
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	6.3		25.0	36.9		ug/L		122	60 - 138
Acetone	ND		125	101		ug/L		81	60 - 140
Benzene	ND		25.0	25.7		ug/L		103	60 - 140
Dichlorobromomethane	ND		25.0	29.2		ug/L		117	60 - 140

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

Lab Sample ID: 720-47973-2 MS
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	ND		25.0	25.6		ug/L		102	60 - 140
Chlorobromomethane	ND		25.0	31.3		ug/L		125	60 - 140
Bromoform	ND		25.0	25.8		ug/L		103	56 - 140
Bromomethane	ND		25.0	24.8		ug/L		99	23 - 140
2-Butanone (MEK)	ND		125	97.6		ug/L		78	60 - 140
n-Butylbenzene	ND		25.0	23.7		ug/L		95	60 - 140
sec-Butylbenzene	ND		25.0	22.7		ug/L		91	60 - 140
tert-Butylbenzene	ND		25.0	23.4		ug/L		94	60 - 140
Carbon disulfide	ND		25.0	18.7		ug/L		75	38 - 140
Carbon tetrachloride	ND		25.0	24.1		ug/L		97	60 - 140
Chlorobenzene	ND		25.0	26.4		ug/L		106	60 - 140
Chloroethane	ND		25.0	23.9		ug/L		96	51 - 140
Chloroform	ND		25.0	27.9		ug/L		112	60 - 140
Chloromethane	ND		25.0	23.3		ug/L		93	52 - 140
2-Chlorotoluene	ND		25.0	23.2		ug/L		93	60 - 140
4-Chlorotoluene	ND		25.0	23.6		ug/L		94	60 - 140
Chlorodibromomethane	ND		25.0	28.2		ug/L		113	60 - 140
1,2-Dichlorobenzene	ND		25.0	26.0		ug/L		104	60 - 140
1,3-Dichlorobenzene	ND		25.0	26.4		ug/L		106	60 - 140
1,4-Dichlorobenzene	ND		25.0	26.1		ug/L		105	60 - 140
1,3-Dichloropropane	ND		25.0	29.4		ug/L		117	60 - 140
1,1-Dichloropropene	ND		25.0	25.7		ug/L		103	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	24.2		ug/L		97	60 - 140
Ethylene Dibromide	ND		25.0	30.9		ug/L		124	60 - 140
Dibromomethane	ND		25.0	28.8		ug/L		115	60 - 140
Dichlorodifluoromethane	ND		25.0	19.9		ug/L		80	38 - 140
1,1-Dichloroethane	ND		25.0	26.0		ug/L		104	60 - 140
1,2-Dichloroethane	ND		25.0	27.5		ug/L		110	60 - 140
1,1-Dichloroethene	ND		25.0	23.0		ug/L		92	60 - 140
cis-1,2-Dichloroethene	ND		25.0	27.6		ug/L		110	60 - 140
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	60 - 140
1,2-Dichloropropane	ND		25.0	27.3		ug/L		109	60 - 140
cis-1,3-Dichloropropene	ND		25.0	29.9		ug/L		120	60 - 140
trans-1,3-Dichloropropene	ND		25.0	28.6		ug/L		114	60 - 140
Ethylbenzene	ND		25.0	24.5		ug/L		98	60 - 140
Hexachlorobutadiene	ND		25.0	24.9		ug/L		99	60 - 140
2-Hexanone	ND		125	117		ug/L		94	60 - 140
Isopropylbenzene	ND		25.0	26.5		ug/L		106	60 - 140
4-Isopropyltoluene	ND		25.0	24.2		ug/L		97	60 - 140
Methylene Chloride	ND		25.0	25.4		ug/L		102	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	120		ug/L		96	58 - 130
Naphthalene	ND		25.0	23.6		ug/L		94	56 - 140
N-Propylbenzene	ND		25.0	23.0		ug/L		92	60 - 140
Styrene	ND		25.0	27.8		ug/L		111	60 - 140
1,1,1,2-Tetrachloroethane	ND		25.0	30.7		ug/L		123	60 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	22.9		ug/L		92	60 - 140
Tetrachloroethene	ND		25.0	29.4		ug/L		118	60 - 140
Toluene	ND		25.0	23.8		ug/L		95	60 - 140

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

Lab Sample ID: 720-47973-2 MS
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	ND		25.0	26.9		ug/L		107	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	27.7		ug/L		111	60 - 140
1,1,1-Trichloroethane	ND		25.0	27.0		ug/L		108	60 - 140
1,1,2-Trichloroethane	ND		25.0	28.6		ug/L		114	60 - 140
Trichloroethene	ND		25.0	27.8		ug/L		111	60 - 140
Trichlorofluoromethane	ND		25.0	26.3		ug/L		105	60 - 140
1,2,3-Trichloropropane	ND		25.0	21.9		ug/L		88	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.6		ug/L		95	60 - 140
1,2,4-Trimethylbenzene	ND		25.0	24.0		ug/L		96	60 - 140
1,3,5-Trimethylbenzene	ND		25.0	23.5		ug/L		94	60 - 140
Vinyl acetate	ND		25.0	26.9		ug/L		108	40 - 140
Vinyl chloride	ND		25.0	22.0		ug/L		88	58 - 140
m-Xylene & p-Xylene	ND		50.0	50.6		ug/L		101	60 - 140
o-Xylene	ND		25.0	27.1		ug/L		108	60 - 140
2,2-Dichloropropane	ND		25.0	30.0		ug/L		120	60 - 140
TBA	ND		500	523		ug/L		105	60 - 140
Ethyl tert-butyl ether	ND		25.0	31.7		ug/L		127	60 - 140
DIPE	ND		25.0	30.5		ug/L		122	60 - 140
TAME	ND		25.0	31.3		ug/L		125	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 720-47973-2 MSD
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
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	6.3		25.0	37.6		ug/L		125	60 - 138	2	20
Acetone	ND		125	102		ug/L		81	60 - 140	1	20
Benzene	ND		25.0	25.4		ug/L		102	60 - 140	1	20
Dichlorobromomethane	ND		25.0	28.8		ug/L		115	60 - 140	2	20
Bromobenzene	ND		25.0	25.4		ug/L		102	60 - 140	1	20
Chlorobromomethane	ND		25.0	30.5		ug/L		122	60 - 140	2	20
Bromoform	ND		25.0	25.9		ug/L		103	56 - 140	0	20
Bromomethane	ND		25.0	23.4		ug/L		93	23 - 140	6	20
2-Butanone (MEK)	ND		125	99.4		ug/L		80	60 - 140	2	20
n-Butylbenzene	ND		25.0	22.8		ug/L		91	60 - 140	4	20
sec-Butylbenzene	ND		25.0	22.0		ug/L		88	60 - 140	3	20
tert-Butylbenzene	ND		25.0	23.0		ug/L		92	60 - 140	2	20
Carbon disulfide	ND		25.0	17.7		ug/L		71	38 - 140	5	20
Carbon tetrachloride	ND		25.0	24.3		ug/L		97	60 - 140	1	20
Chlorobenzene	ND		25.0	25.9		ug/L		104	60 - 140	2	20
Chloroethane	ND		25.0	22.1		ug/L		88	51 - 140	8	20
Chloroform	ND		25.0	27.7		ug/L		111	60 - 140	1	20

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

Lab Sample ID: 720-47973-2 MSD
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	ND		25.0	21.7		ug/L		87	52 - 140	7	20
2-Chlorotoluene	ND		25.0	23.0		ug/L		92	60 - 140	1	20
4-Chlorotoluene	ND		25.0	23.5		ug/L		94	60 - 140	0	20
Chlorodibromomethane	ND		25.0	28.3		ug/L		113	60 - 140	1	20
1,2-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	2	20
1,3-Dichlorobenzene	ND		25.0	26.0		ug/L		104	60 - 140	1	20
1,4-Dichlorobenzene	ND		25.0	25.6		ug/L		103	60 - 140	2	20
1,3-Dichloropropane	ND		25.0	29.2		ug/L		117	60 - 140	1	20
1,1-Dichloropropene	ND		25.0	25.3		ug/L		101	60 - 140	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	24.3		ug/L		97	60 - 140	0	20
Ethylene Dibromide	ND		25.0	30.4		ug/L		122	60 - 140	2	20
Dibromomethane	ND		25.0	28.5		ug/L		114	60 - 140	1	20
Dichlorodifluoromethane	ND		25.0	17.9		ug/L		72	38 - 140	10	20
1,1-Dichloroethane	ND		25.0	25.7		ug/L		103	60 - 140	1	20
1,2-Dichloroethane	ND		25.0	26.6		ug/L		107	60 - 140	3	20
1,1-Dichloroethene	ND		25.0	23.0		ug/L		92	60 - 140	0	20
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	60 - 140	2	20
trans-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	60 - 140	3	20
1,2-Dichloropropane	ND		25.0	27.5		ug/L		110	60 - 140	1	20
cis-1,3-Dichloropropene	ND		25.0	29.6		ug/L		119	60 - 140	1	20
trans-1,3-Dichloropropene	ND		25.0	28.1		ug/L		112	60 - 140	2	20
Ethylbenzene	ND		25.0	24.1		ug/L		96	60 - 140	2	20
Hexachlorobutadiene	ND		25.0	23.2		ug/L		93	60 - 140	7	20
2-Hexanone	ND		125	117		ug/L		93	60 - 140	1	20
Isopropylbenzene	ND		25.0	25.8		ug/L		103	60 - 140	3	20
4-Isopropyltoluene	ND		25.0	23.6		ug/L		95	60 - 140	2	20
Methylene Chloride	ND		25.0	25.2		ug/L		101	40 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	119		ug/L		96	58 - 130	0	20
Naphthalene	ND		25.0	22.6		ug/L		90	56 - 140	4	20
N-Propylbenzene	ND		25.0	23.0		ug/L		92	60 - 140	0	20
Styrene	ND		25.0	27.2		ug/L		109	60 - 140	2	20
1,1,1,2-Tetrachloroethane	ND		25.0	30.4		ug/L		122	60 - 140	1	20
1,1,2,2-Tetrachloroethane	ND		25.0	23.1		ug/L		92	60 - 140	1	20
Tetrachloroethene	ND		25.0	28.5		ug/L		114	60 - 140	3	20
Toluene	ND		25.0	23.4		ug/L		94	60 - 140	1	20
1,2,3-Trichlorobenzene	ND		25.0	24.6		ug/L		98	60 - 140	9	20
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		104	60 - 140	6	20
1,1,1-Trichloroethane	ND		25.0	26.8		ug/L		107	60 - 140	1	20
1,1,2-Trichloroethane	ND		25.0	28.5		ug/L		114	60 - 140	0	20
Trichloroethene	ND		25.0	27.0		ug/L		108	60 - 140	3	20
Trichlorofluoromethane	ND		25.0	25.1		ug/L		100	60 - 140	5	20
1,2,3-Trichloropropane	ND		25.0	22.6		ug/L		90	60 - 140	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.1		ug/L		92	60 - 140	2	20
1,2,4-Trimethylbenzene	ND		25.0	23.6		ug/L		94	60 - 140	2	20
1,3,5-Trimethylbenzene	ND		25.0	23.4		ug/L		94	60 - 140	1	20
Vinyl acetate	ND		25.0	26.6		ug/L		106	40 - 140	1	20
Vinyl chloride	ND		25.0	20.2		ug/L		81	58 - 140	9	20

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

Lab Sample ID: 720-47973-2 MSD
Matrix: Water
Analysis Batch: 131256

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	ND		50.0	49.6		ug/L		99	60 - 140	2	20
o-Xylene	ND		25.0	26.6		ug/L		106	60 - 140	2	20
2,2-Dichloropropane	ND		25.0	28.9		ug/L		116	60 - 140	4	20
TBA	ND		500	520		ug/L		104	60 - 140	1	20
Ethyl tert-butyl ether	ND		25.0	31.5		ug/L		126	60 - 140	1	20
DIPE	ND		25.0	29.7		ug/L		119	60 - 140	3	20
TAME	ND		25.0	31.4		ug/L		126	60 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 720-131190/1-A
Matrix: Water
Analysis Batch: 131166

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 131190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/23/13 16:19	02/23/13 21:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/23/13 16:19*	*02/23/13 21:26*	*1*
p-Terphenyl	*68*		*31 - 150*	*02/23/13 16:19*	*02/23/13 21:26*	*1*

Lab Sample ID: LCS 720-131190/2-A
Matrix: Water
Analysis Batch: 131166

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 131190

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	834		ug/L		33	32 - 119		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*84*		*31 - 150*

Lab Sample ID: LCSD 720-131190/3-A
Matrix: Water
Analysis Batch: 131166

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 131190

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	799		ug/L		32	32 - 119	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*90*		*31 - 150*

GC/MS VOA

Analysis Batch: 131251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-47973-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-3	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-131251/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-131251/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-131251/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-131251/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-131251/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 131256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-47973-2	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-2 MS	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-2 MSD	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-47973-4	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-131256/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-131256/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-131256/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-131256/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-131256/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Analysis Batch: 131166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-131190/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	131190
LCSD 720-131190/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	131190
MB 720-131190/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	131190

Analysis Batch: 131167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-47973-1	MW-1	Silica Gel Cleanup	Water	8015B	131190
720-47973-2	MW-4	Silica Gel Cleanup	Water	8015B	131190
720-47973-3	MW-2	Silica Gel Cleanup	Water	8015B	131190

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

GC Semi VOA (Continued)

Prep Batch: 131190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-47973-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
720-47973-2	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-47973-3	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-47973-4	MW-5	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-131190/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-131190/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-131190/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 131258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-47973-4	MW-5	Silica Gel Cleanup	Water	8015B	131190

Lab Chronicle

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

Client Sample ID: MW-1

Lab Sample ID: 720-47973-1

Date Collected: 02/22/13 12:30

Matrix: Water

Date Received: 02/22/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	131251	02/26/13 11:38	PD	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			131190	02/23/13 16:19	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	131167	02/23/13 23:51	DH	TAL SF

Client Sample ID: MW-4

Lab Sample ID: 720-47973-2

Date Collected: 02/22/13 14:00

Matrix: Water

Date Received: 02/22/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	131256	02/26/13 11:30	AC	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			131190	02/23/13 16:19	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	131167	02/24/13 00:20	DH	TAL SF

Client Sample ID: MW-2

Lab Sample ID: 720-47973-3

Date Collected: 02/22/13 15:30

Matrix: Water

Date Received: 02/22/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	131251	02/26/13 16:20	PD	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			131190	02/23/13 16:19	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	131167	02/24/13 00:49	DH	TAL SF

Client Sample ID: MW-5

Lab Sample ID: 720-47973-4

Date Collected: 02/22/13 17:00

Matrix: Water

Date Received: 02/22/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		50	131256	02/26/13 17:09	AC	TAL SF
Silica Gel Cleanup	Prep	3510C SGC			131190	02/23/13 16:19	ND	TAL SF
Silica Gel Cleanup	Analysis	8015B		2	131258	02/26/13 21:06	DH	TAL SF

Laboratory References:

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

Certification Summary

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

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 Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Engeo, Inc.
Project/Site: Jordan Ranch

TestAmerica Job ID: 720-47973-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-47973-1	MW-1	Water	02/22/13 12:30	02/22/13 18:20
720-47973-2	MW-4	Water	02/22/13 14:00	02/22/13 18:20
720-47973-3	MW-2	Water	02/22/13 15:30	02/22/13 18:20
720-47973-4	MW-5	Water	02/22/13 17:00	02/22/13 18:20

CHAIN OF CUSTODY RECORD

144232

720-47973

3/1/2013

PROJECT NUMBER	PROJECT NAME
7828.000.001	Jordan Ranch

SAMPLED BY: (SIGNATURE/PRINT)
Connie Ing

PROJECT MANAGER: (SIGNATURE/PRINT)
Morgan Johnson

ROUTING: E-MAIL mjohnson@engeo.com, cing@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	TPH-g	TPH-d	+ Silica Gel Cleanup	VOCs (including BTEX + MTBE)	7-fuel oxygenates	REMARKS REQUIRED DETECTION LIMITS
MW-1	2/22/13	12:30	water	5	VOAs/Amber	HCl/ice	X	X	X	X	X	
MW-4	↓	14:00	↓	↓	↓	↓	X	X	X	X	X	
MW-2		15:30					X	X	X	X	X	
MW-5	↓	17:00	↓	↓	↓	↓	X	X	X	X	X	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
	2/22 18:20		2-22-13 1820		

REMARKS
Standard T.A.T.
Silica Gel Cleanup.
5.7°C

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-47973-1

Login Number: 47973

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

April 23, 2013

Subject: Jordan Ranch Property – Former Leaking Underground Storage Tank
Dublin, California

PERJURY STATEMENT

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

Submitted by Responsible Party:

ROBERT RADANOVICH
BJP-ROF Jordan Ranch, LLC
5000 Hopyard Road, #170
Pleasanton, CA 94588