Project No.
7828.000.001

January 27, 2012

Paresh C. Khatri
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: Jordan Ranch Property (Case # R00002918)
Dublin, California

SOIL AND GROUNDWATER REMEDIATION STATUS REPORT

Reference: ENGEO, Final Updated Corrective Action Plan, Jordan Ranch, Dublin, California, ACEH Case No. R00002918, May 25, 2011.

Dear Mr. Khatri:

This status report summarizes the soil and groundwater remediation efforts that were completed for the leaking underground storage tank (Site) in 2011. The ongoing remediation activities are being implemented in accordance with the referenced Corrective Action Plan (CAP), which was approved by Alameda County Environmental Health (ACEH) in March 2011.

CURRENT SITE SETTING

The Site is located within a master planned residential subdivision, which is currently undergoing mass grading as the initial phase of development (Figure 1). The Site historically consisted of a ranch/homestead with outbuildings and the subject underground storage tank (UST). Demolition of the former barns, house and auxiliary structures has been completed and all debris associated with the former ranch operations has been removed from the Site. Limited sheet grading was performed in the area where the monitoring wells are located in order to improve surface drainage. Recently constructed wetland habitat and an existing pond lie immediately to the east, and construction trailers are situated to the west. A stormwater detention basin was recently constructed to the south of the Site and grading of residential lots and surface streets is ongoing to the north of the Site.

SOIL AND GROUNDWATER REMEDIATION

Implementation of the CAP commenced in September 2011 following demolition of the barns and auxiliary structures. Prior to the demolition activities, the former UST location was marked in the field and a portion of the concrete slab adjacent to the former UST was left in place by the demolition crew, so the future remedial consultant/contractor would have a visual landmark when beginning the remedial excavation.

Soil Remediation Activities

Between September 1 and September 7, 2011, a large excavator was used to remove impacted soil from two overlapping 25 by 25 foot areas centered on the former UST and dispenser locations (Figure 2). The initial excavation activities involved removing the upper 5 feet of soil, which appeared to be non impacted within planned excavation footprint. Approximately 200 cubic yards (yd^3) of non-impacted surface soil was screened with a photoionization detector (PID) and segregated into a non impacted stockpile. Excavation activities resumed with removal of soil deeper than 5 feet below ground surface (bgs). This soil was stockpiled in the ex-situ soil treatment cell located to the west (Figure 2). As the excavation was advanced deeper, we observed limited shallow staining beneath the former dispenser located in the northeast portion of the excavation, beginning at 7 feet bgs and in the west portion of the excavation beneath the former UST. We observed two product lines extending from the center of the former UST location to the dispenser location; and additional water and electrical conduits extending from barn slab towards the southeast. We noted first groundwater at 12 to 14 feet bgs. Significant soil staining was apparent throughout the base and sidewalls of the excavation beginning at 14 feet bgs and this soil exhibited PID readings in the range of 2,000 parts per million (ppm). To confirm that the lateral extent of vadose zone impacts had been removed, sidewall samples SW-1 through SW-8 were collected at a depth of 8 feet bgs on September 2, 2011. The sidewall samples exhibited concentrations of TPHd ranging from 4.1 to 5.2 mg/kg. TPHg and benzene were not detected above laboratory reporting limits.

The base of the excavation was extended to a depth of 25 feet bgs, which resulted in the removal of approximately 200 yd^3 of impacted soil below the water table. Due to sidewall caving, the deeper portion of the excavation below the water table was set in approximately 3 feet from the surface perimeter to prevent enlarging of the excavation footprint. Due to site access constraints, some impacted soil was left in place in the sidewalls of the excavation beneath the water table; however, the staining appeared to terminate at 25 feet bgs. We collected four base samples (B-1A through B4A) on September 6, 2011. The base samples exhibited concentrations of TPHd ranging from 47 to 790 milligrams per kilogram (mg/kg) and concentrations of TPHg ranging from 480 to 3,700 mg/kg. Benzene was not detected above laboratory reporting limits. The excavation had to immediately be backfilled with class II drain rock below the water table to address geotechnical concerns. In total, approximately 450 yd^3 of impacted soil was excavated and placed in the ex-situ soil treatment cell.

On September 15, 2011, we collected four discrete samples from the ex-situ soil treatment cell to evaluate the baseline concentrations prior to implementing the bioaugmentation treatment. Samples BL1 through BL4 exhibited concentrations of TPHd ranging from 34 to 110 mg/kg and TPHg ranging from 0.019 to 32 mg/kg. Since the detected TPHd concentrations exceeded the established cleanup goal, it was determined that ex-situ bioaugmentation soil treatment would be necessary. The first bioaugmentation inoculation was performed on September 16, 2011, by spraying the ex-situ treatment cell with approximately 1,000 gallons of a proprietary liquid reagent (trade name BioCritters™) which is produced by Catalina Biosolutions. BioCritters™ is a special blend of naturally-occurring facultative anaerobic microorganisms. The reagent

application was followed by two rounds of tilling on the same day. Following the initial inoculation, the ex-situ treatment cell was moisture conditioned on a weekly basis and a second inoculation was performed on October 14, 2011.

On November 29, 2011 we collected 18 discrete confirmation samples (DS1 through DS18) from the ex-situ treatment cell in accordance with the final screening guidelines from the *Region 2 Technical Reference Document, Characterization and Reuse of Petroleum Hydrocarbon Impacted Soil as Inert Waste, October 20, 2006*. With the exception of two of the samples, the reported concentrations were below the applicable soil cleanup goals. Samples DS2 and DS12 exhibited elevated concentrations of TPHd exceeding the cleanup goals. On December 30, 2011, the remaining soil impacts at locations DS2 and DS12 were excavated and 41.61 tons were hauled to Hay Road Landfill for disposal.

Groundwater Remediation Activities

Between October 12 and October 14, 2011, a direct push Geoprobe rig was used to advance 27 injection points spaced approximately 15 feet apart within the zone of groundwater impacts (Figure 2). At each injection point, the bioaugmentation liquid reagent BioCritters™ was pumped into the saturated zone to target both sorbed phase and dissolved phase petroleum hydrocarbons. At each injection point, the injection interval was from 14 to 26 feet bgs, and the reagent was pumped continuously at approximately 10 gallons per two foot interval using the top down method. In total, 2000 gallons of reagent was pumped into the subsurface over the course of three days. The temporary injection points were properly abandoned in accordance with a Zone 7 Water Agency permit.

On January 10, 2012, we completed the First Quarter 2012 groundwater monitoring event for the Site wells. The groundwater samples exhibited favorable reductions of MTBE and benzene. MTBE was not detected above laboratory reporting limits, representing reductions of 96% to 98% from the historic low concentrations. Benzene exhibited reductions of 60% to 75% from the historic low concentrations. No significant reduction in TPHg concentrations was observed, compared to the historical low concentrations. The concentrations of TPHg and BTEX remain above the designated cleanup goals. The cumulative groundwater analytical data is summarized in Table 1. Monitoring well MW-3 was inadvertently covered by the grading contractor and we are unable to locate the well at this time. Monitoring well MW-4 has an obstruction in the well casing, which prevented sample collection. We recommend replacement/maintenance for these wells so that the downgradient extent of the groundwater impacts can be monitored.

The referenced CAP recommended extracting approximately 40,000 gallons of impacted groundwater from the open excavation during the soil remediation activities. During the excavation, it became apparent that this task would not be feasible due to geologic conditions. Due to the relatively loose sands below the water table, the sidewalls of the excavation experienced continuous caving, making it impracticable keep the excavation open long enough to extract groundwater. To help mitigate for the lack of groundwater extraction, the density of injection points was increased within the source area by adding three additional points within the excavation footprint to maximize contaminant mass removal.

CONCLUSIONS

Implementation of the soil and groundwater remedial alternatives presented in the CAP has been completed. The project is currently in the monitoring phase, with three quarterly groundwater monitoring events to be completed during the remainder of 2012. Our conclusions are presented below:

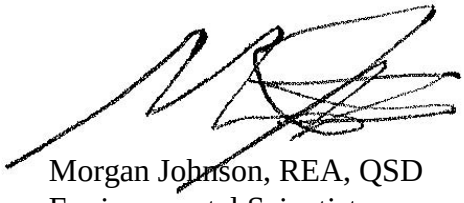
- Final screening of the approximately 420 yd^3 ex-situ soil treatment cell indicates the soil meets the applicable cleanup goals outlined in the CAP. Residual soil impacts, which were inaccessible at depths greater than 14 feet bgs during the excavation, are present at concentrations exceeding the cleanup goals within the sidewalls and base of the excavation. In-situ injection points were advanced within the residual soil impacts, which should reduce elevated concentrations of petroleum hydrocarbons in saturated soil. We request that ACEH provide approval for unrestricted use of the 420 yd^3 of soil located in the ex-situ treatment cell.

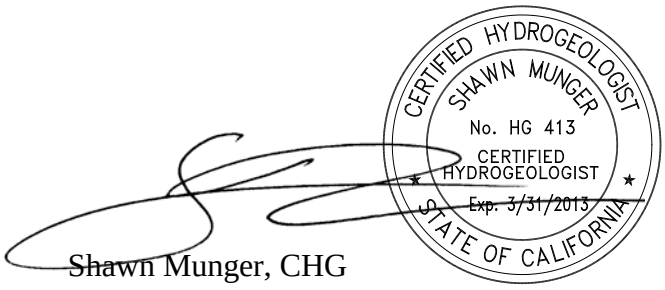
- Results from the first quarterly groundwater monitoring event performed three months after the in-situ bioaugmentation injections, indicate the bioaugmentation program has successfully reduced concentrations of MTBE to non detect levels. Significant reductions in benzene concentrations were observed; however the BTEX and TPHg concentrations exceed the established cleanup goals for groundwater. We will continue to monitor the effectiveness of the in-situ bioaugmentation injections during future quarterly monitoring events, and in the event that TPHg and BTEX concentrations do not decline, we many propose implementing a second round of in-situ injections.

If you have any questions regarding the report, please do not hesitate to contact us.

Sincerely,

ENGEO Incorporated



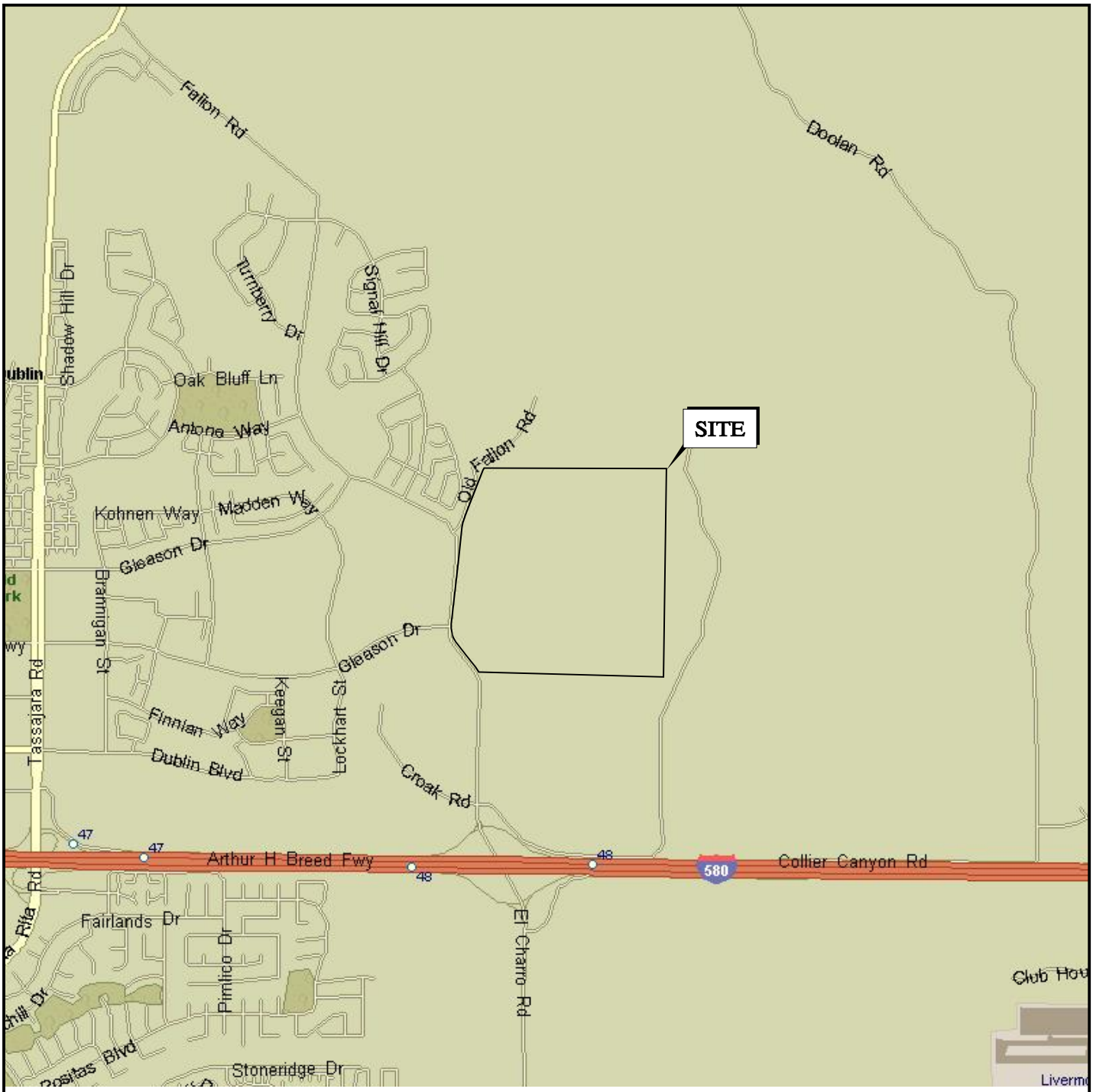


Morgan Johnson, REA, QSD
Environmental Scientist

Shawn Munger, CHG
Principal

Attachments: Figure 1 – Site Vicinity Map
Figure 2 – Site Plan
Table 1 – Cumulative Groundwater Analytical Data
Certified Laboratory Analytical Reports and Chain of Custodies
Landfill Receipts

Copies: Mr. Ravi Nandwana, BJP-ROF Jordan Ranch, LLC
Mr. Kevin Fryer, BJP-ROF Jordan Ranch, LLC



BASE MAP SOURCE: MS STREETS AND TRIPS

ENGEO Expect Excellence

VICINITY MAP

JORDAN RANCH

DUBLIN, CALIFORNIA

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

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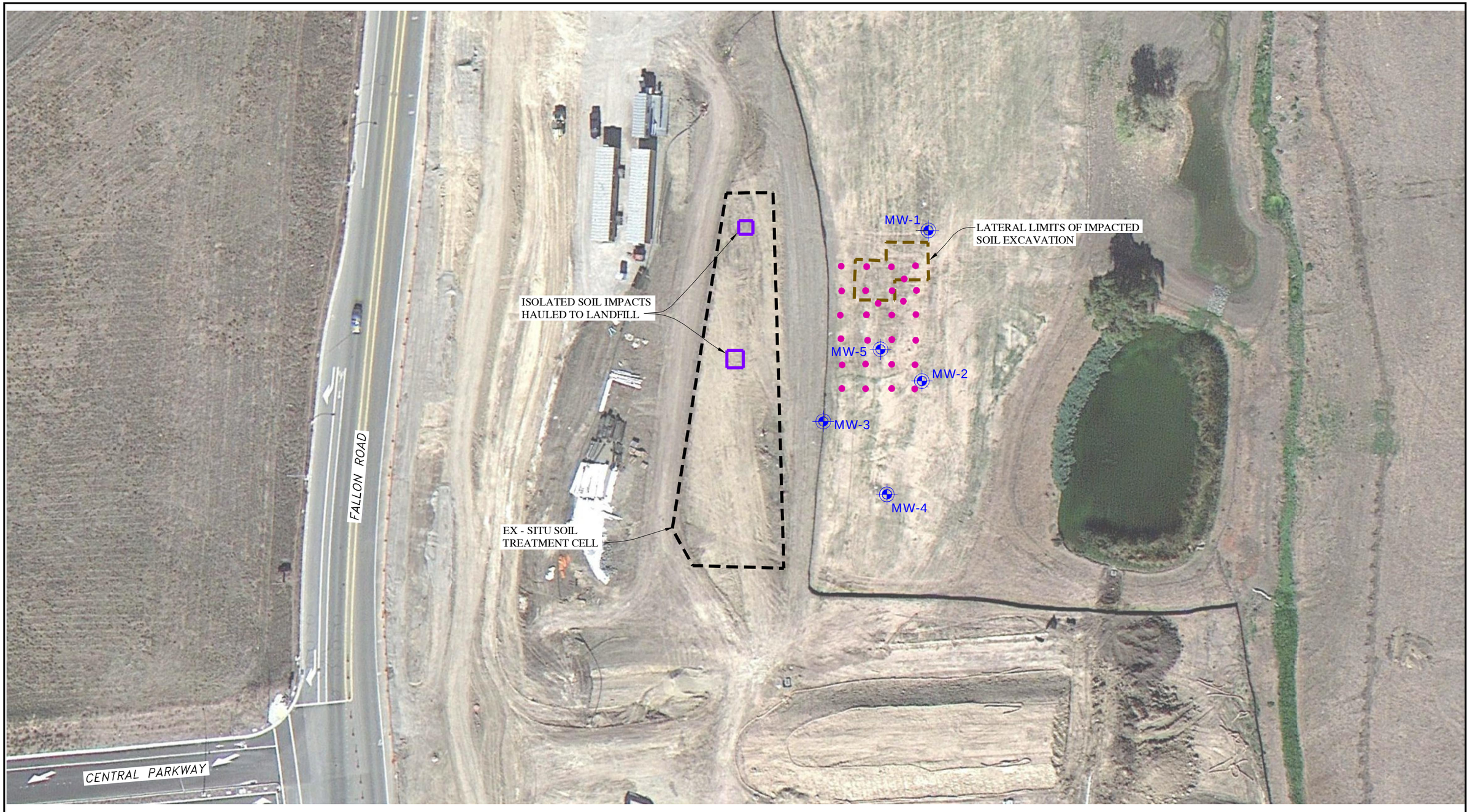
ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

MW-5 APPROXIMATE LOCATION OF MONITORING WELL

APPROXIMATE LOCATION OF INJECTION POINT

N

0 FEET 60

0 METERS 30

BASE MAP SOURCE: GOOGLE EARTH, 2011

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SITE PLAN

JORDAN RANCH

DUBLIN, CALIFORNIA

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

G:\Drafting\DRAFTING2_Dwg\7828\000\7828000001-2-SitePlan-0112.dwg Plot Date: 1-27-12 spatters

ORIGINAL FIGURE PRINTED IN COLOR

TABLE 1
Cumulative Groundwater Analytical Data
Jordan Ranch

Well ID	Date	TPHd (ug/L)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	TBA (mg/L)	MTBE (ug/L)	DIPE (mg/L)	ETBE (mg/L)	TAME (mg/L)	1,2-DCA (mg/L)
MW-1	12/6/2005	NA	**64**	**2**	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	4/10/2008	NA	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<50	<1.0	<0.5	<0.5	<0.5
	8/24/2010*	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	<0.5	NA	NA	NA	NA
	1/10/2012	<50	<50	<0.5	1.1	1.1	2.4	NA	<0.5	NA	NA	NA	NA
MW-2	12/6/2005	NA	**3,400**	**470**	<25	**55**	**120**	<250	**800**	<25	<25	<25	**57**
	7/26/2006	**150**	**650**	**130**	<0.5	<0.5	<0.5	<5.0	**510**	<0.5	<0.5	<0.5	**14**
	4/10/2008	NA	**8,700**	**1,600**	**350**	**370**	**790**	**110**	**810**	<10	<5.0	**5.8**	**15**
	8/24/2010*	<50	**15,000**	**780**	**93**	**1,200**	**2,600**	NA	**170**	NA	NA	NA	NA
	1/10/2012	**1.1**	**4,200**	**32**	**10**	**210**	**337**	NA	<4	NA	NA	NA	NA
MW-3	12/6/2005	NA	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5
	4/10/2008	NA	**430**	**45**	**34**	**22**	**90**	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5
	8/24/2010*	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	<0.5	NA	NA	NA	NA
	1/10/2012	Well inadvertantly covered by grading operations											
MW-4	12/6/2005	NA	**70**	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2006	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5
	4/10/2008	NA	**830**	**29**	**19**	**16**	**54**	<50	**1,200**	<10	<5.0	<5.0	**26**
	8/24/2010*	<50	<50	<0.5	<0.5	<0.5	<1.0	NA	**80**	NA	NA	NA	NA
	1/10/2012	Obstruction in well casing											
MW-5	12/6/2005	NA	**53,000**	**13,000**	**1,300**	**930**	**4,400**	<2,500	**7,000**	<250	<250	<250	**290**
	7/26/2006	**560**	**15,000**	**4,100**	**580**	**200**	**870**	<5.0	**2,200**	<0.5	<0.5	<0.5	<0.5
	4/10/2008	NA	**66,000**	**24,000**	**7,600**	**2,200**	**9,200**	<1,300	<130	<250	<130	<130	<130
	8/24/2010*	<50	**74,000**	**7,500**	**11,000**	**2,700**	**13,000**	NA	**100**	NA	NA	NA	NA
	1/10/2012	**2.1**	**60,000**	**1,600**	**3,700**	**1,800**	**5,400**	NA	<4	NA	NA	NA	NA

NOTES:

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TBA = Tert-butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl Tert-butyl ether
TAME = tert-Amyl methyl ether
(ug/L) = micrograms per liter or parts per billion

2005 Northgate Env. Mgt., Volatile organics by SW8260B; MTBE, BTEX, TPHg by SW8021B/8015Cm
2006 ICES, Volatile organics by SW8260B; MTBE, BTEX, TPHg by SW8021B/8015Cm; TPHd by SW8015C
2008 ATC, Volatile organics by 8260B; MTBE, BTEX, TPHg by 8260B
2010 ENGEO, Volatile organics by 8260B; MTBE, BTEX, TPHg by 8015M 5030; TPHd by 8015M
(mg/L) = milligrams per liter or parts per million
(ug/L) = micrograms per liter
<50 = Less than laboratory reporting limits
* = Indicates the sample was collected by ENGEO
NA = Not analyzed

ENGEO INCORPORATED

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

17 January 2012

Richard Gandolfo
Engeo -- Ripon
580 N. Wilma, Suite A
Ripon, CA 95366

RE: Jordan Ranch MW

Enclosed are the results of analyses for samples received by the laboratory on 01/12/12 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
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Lake Forest, California 92630
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949.297.5027 Fax

Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T120050-01	Water	01/10/12 00:00	01/12/12 09:45
MW-2	T120050-02	Water	01/10/12 00:00	01/12/12 09:45
MW-5	T120050-03	Water	01/10/12 00:00	01/12/12 09:45

SunStar Laboratories, Inc.

Daniel J Chavez

Daniel Chavez, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

MW-1

T120050-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	50	ug/l	1	2011613	01/16/12	01/17/12	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*103 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	0.050	mg/l	1	2011217	01/12/12	01/13/12	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Methyl tert-butyl ether	ND	4.0	ug/l	1	2011614	01/16/12	01/17/12	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	**1.1**	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.1**	1.0	"	"	"	"	"	"	
m,p-Xylene	**2.4**	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*73.5-148*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

MW-2

T120050-02 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**4200**	50	ug/l	1	2011613	01/16/12	01/17/12	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*103 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	**1.1**	0.050	mg/l	1	2011217	01/12/12	01/13/12	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.1 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Methyl tert-butyl ether	ND	4.0	ug/l	1	2011614	01/16/12	01/17/12	EPA 8021B	
Benzene	**32**	1.0	"	"	"	"	"	"	
Toluene	**9.5**	1.0	"	"	"	"	"	"	
Ethylbenzene	**210**	1.0	"	"	"	"	"	"	
m,p-Xylene	**320**	2.0	"	"	"	"	"	"	
o-Xylene	**17**	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*73.5-148*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel J Chavez

Daniel Chavez, Project Manager

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Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

MW-5

T120050-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**60000**	250	ug/l	5	2011613	01/16/12	01/17/12	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*110 %*	*72.6-146*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	**2.1**	0.050	mg/l	1	2011217	01/12/12	01/13/12	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*77.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Methyl tert-butyl ether	ND	4.0	ug/l	1	2011614	01/16/12	01/17/12	EPA 8021B	
Benzene	**1600**	1.0	"	"	"	"	"	"	
Toluene	**3700**	1.0	"	"	"	"	"	"	
Ethylbenzene	**1800**	1.0	"	"	"	"	"	"	
m,p-Xylene	**3200**	2.0	"	"	"	"	"	"	
o-Xylene	**2200**	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*73.5-148*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011613 - EPA 5030 GC										
Blank (2011613-BLK1)				Prepared: 01/16/12 Analyzed: 01/17/12						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*101*		*"*	*100*		*101*	*72.6-146*			
LCS (2011613-BS1)				Prepared: 01/16/12 Analyzed: 01/17/12						
C6-C12 (GRO)	5480	50	ug/l	5500		99.6	75-125			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*72.6-146*			
Matrix Spike (2011613-MS1)	**Source: T120050-01**			Prepared: 01/16/12 Analyzed: 01/17/12						
C6-C12 (GRO)	5380	50	ug/l	5500	25.5	97.4	65-135			
Surrogate: 4-Bromofluorobenzene	*106*		*"*	*100*		*106*	*72.6-146*			
Matrix Spike Dup (2011613-MSD1)	**Source: T120050-01**			Prepared: 01/16/12 Analyzed: 01/17/12						
C6-C12 (GRO)	5410	50	ug/l	5500	25.5	98.0	65-135	0.598	20	
Surrogate: 4-Bromofluorobenzene	*106*		*"*	*100*		*106*	*72.6-146*			

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011217 - EPA 3510C GC										
Blank (2011217-BLK1)				Prepared: 01/12/12 Analyzed: 01/13/12						
C13-C28 (DRO)	ND	0.050	mg/l							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: p-Terphenyl	*2.84*		"	*4.00*		*71.1*	*65-135*			
LCS (2011217-BS1)				Prepared: 01/12/12 Analyzed: 01/13/12						
C13-C28 (DRO)	18.6	0.050	mg/l	20.0		92.8	75-125			
Surrogate: p-Terphenyl	*3.00*		"	*4.00*		*75.1*	*65-135*			
Matrix Spike (2011217-MS1)	**Source: T120050-01**			Prepared: 01/12/12 Analyzed: 01/13/12						
C13-C28 (DRO)	22.2	0.050	mg/l	20.0	ND	111	75-125			
Surrogate: p-Terphenyl	*3.93*		"	*4.00*		*98.2*	*65-135*			
Matrix Spike Dup (2011217-MSD1)	**Source: T120050-01**			Prepared: 01/12/12 Analyzed: 01/13/12						
C13-C28 (DRO)	22.8	0.050	mg/l	20.0	ND	114	75-125	2.65	20	
Surrogate: p-Terphenyl	*3.76*		"	*4.00*		*93.9*	*65-135*			

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
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Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

Volatile Organic Compounds by EPA Method 8021B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2011614 - EPA 5030 GC										
Blank (2011614-BLK1)				Prepared: 01/16/12 Analyzed: 01/17/12						
Methyl tert-butyl ether	ND	4.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	*97.7*		*"*	*100*		*97.7*	*73.5-148*			
LCS (2011614-BS1)				Prepared: 01/16/12 Analyzed: 01/17/12						
Benzene	109	1.0	ug/l	100		109	70-130			
Toluene	98.1	1.0	"	100		98.1	70-130			
Ethylbenzene	91.5	1.0	"	100		91.5	70-130			
m,p-Xylene	189	2.0	"	200		94.7	70-130			
o-Xylene	90.6	1.0	"	100		90.6	70-130			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*73.5-148*			
Matrix Spike (2011614-MS1)	**Source: T120050-01**			Prepared: 01/16/12 Analyzed: 01/17/12						
Benzene	112	1.0	ug/l	100	ND	112	70-130			
Toluene	103	1.0	"	100	1.09	102	70-130			
Ethylbenzene	94.2	1.0	"	100	1.12	93.1	70-130			
m,p-Xylene	194	2.0	"	200	2.35	96.0	70-130			
o-Xylene	93.4	1.0	"	100	0.955	92.4	70-130			
Surrogate: 4-Bromofluorobenzene	*108*		*"*	*100*		*108*	*73.5-148*			
Matrix Spike Dup (2011614-MSD1)	**Source: T120050-01**			Prepared: 01/16/12 Analyzed: 01/17/12						
Benzene	114	1.0	ug/l	100	ND	114	70-130	1.73	20	
Toluene	107	1.0	"	100	1.09	106	70-130	3.26	20	
Ethylbenzene	93.3	1.0	"	100	1.12	92.2	70-130	0.899	20	
m,p-Xylene	191	2.0	"	200	2.35	94.5	70-130	1.55	20	
o-Xylene	91.6	1.0	"	100	0.955	90.6	70-130	1.94	20	
Surrogate: 4-Bromofluorobenzene	*106*		*"*	*100*		*106*	*73.5-148*			

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Engeo -- Ripon	Project: Jordan Ranch MW	
580 N. Wilma, Suite A	Project Number: 7828.000.001	**Reported:**
Ripon CA, 95366	Project Manager: Richard Gandolfo	01/17/12 16:10

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Client: ENGEO
Address: 580 N. Wilma Ave
Phone: 209 321 2665 Fax:
Project Manager: Richard Gandolfo

Date: 1-11-12 Page: 1 Of 1
Project Name: Jordan Ranch MW
Collector: R. Gandolfo / A. Christ Client Project #: 7828.000.001
Batch #: T1200150 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	VOCs	TPHg BTEX/MTBE	TPH d/mo w/silica gel	Laboratory ID #	Comments/Preservative	Total # of containers
MW-1	1-10-12		GW											/	/	/	01		5
MW-2	1-10-12		GW											/	/	/	02		5
MW-5	1-10-12													/	/	/	03		5

Relinquished by: (signature)	Date / Time 1-11-12 10:30	Received by: (signature)	Date / Time 1-11-12 10:30
Relinquished by: (signature) GSO.	Date / Time 1-12-12	Received by: (signature)	Date / Time 1-12-12 9:45
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals (Y)/N/NA
Seals intact? (Y)/N/NA
Received good condition/cold 2.6

Turn around time: 5-day Standard

Notes
STD. TAT
1-12-12

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 91261

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

BATCH # T120050

Client Name: ENGEO Project: JORDAN RANCH MW

Received by: SUNNY Date/Time Received: 1-12-12 / 9:45

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 2.8 °C +/- the CF (- 0.2°C) = 2.6 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒ Yes	☐ No*	☐ N/A
Custody Seals Intact on Cooler/Sample	☒ Yes	☐ No*	☐ N/A
Sample Containers Intact	☒ Yes	☐ No*	
Sample labels match COC ID's	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date SL 1-12-12

Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-37519-1
Client Project/Site: Jordan Ranch

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

Attn: Ms. Morgan Johnson

Surinder Sidhu

Authorized for release by:
09/23/2011 02:27:13 PM
Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com

Designee for

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

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 720-37519-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-37519-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-37519-1

Comments
No additional comments.

Receipt
The following sample(s) was received at the laboratory outside the required temperature criteria: 0-6 The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

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

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch #99227 exceeded control limits for the following analytes: Chloroethane and Vinyl chloride. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Surrogate recovery for the following sample 37519-1 was outside control limits due to bad matrix.: BL-1 (720-37519-1).
.

Method(s) 8260B: Surrogate recovery for the following sample 720-37519-2 was outside control limits: BL-2 (720-37519-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: BL-1 (720-37519-1), BL-2 (720-37519-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 99232 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: BL-3 (720-37519-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other 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: 720-37519-1

Client Sample ID: BL-1 — Lab Sample ID: 720-37519-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	160		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
sec-Butylbenzene	18		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
4-Isopropyltoluene	18		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Naphthalene	200		9.5		ug/Kg	1		8260B/CA_LUFTM	Total/NA
N-Propylbenzene	20		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	390		25		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	300		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	62		9.5		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	32000		1200		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	110		0.99		mg/Kg	1		8015B	Silica Gel Clean
Motor Oil Range Organics [C24-C36]	66		49		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: BL-2 — Lab Sample ID: 720-37519-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	220		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
sec-Butylbenzene	31		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Ethylbenzene	7.3		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Isopropylbenzene	12		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
4-Isopropyltoluene	27		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Naphthalene	270		9.8		ug/Kg	1		8260B/CA_LUFTM	Total/NA
N-Propylbenzene	36		4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	0.29		0.13		ug/Kg	100		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	19		6.3		ug/Kg	100		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	34		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: BL-3 — Lab Sample ID: 720-37519-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	320		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
sec-Butylbenzene	54		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Ethylbenzene	33		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Isopropylbenzene	24		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
4-Isopropyltoluene	45		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Naphthalene	1100		50		ug/Kg	1		8260B/CA_LUFTM	Total/NA
N-Propylbenzene	80		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Toluene	4.9		4.7		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	420		25		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	730		25		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	450		50		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	30000		1300		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	63		1.0		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: BL-4 — Lab Sample ID: 720-37519-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	120		23		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Naphthalene	280		46		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	98		23		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	280		23		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	170		46		ug/Kg	1		8260B/CA_LUFTM	Total/NA

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

TestAmerica Job ID: 720-37519-1

Client Sample ID: BL-4 (Continued)

Lab Sample ID: 720-37519-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	12000		1200		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	15		0.99		mg/Kg	1		8015B	Silica Gel Clean

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

TestAmerica Job ID: 720-37519-1

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

Client Sample ID: BL-1
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Acetone	ND		47		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Benzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Dichlorobromomethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Bromobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chlorobromomethane	ND		19		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Bromoform	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Bromomethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
2-Butanone (MEK)	ND		47		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
n-Butylbenzene	**160**		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
sec-Butylbenzene	**18**		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
tert-Butylbenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Carbon disulfide	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Carbon tetrachloride	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chloroethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chloroform	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chloromethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
2-Chlorotoluene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
4-Chlorotoluene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Chlorodibromomethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,3-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2-Dibromo-3-Chloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Ethylene Dibromide	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Dibromomethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1-Dichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2-Dichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Ethylbenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Hexachlorobutadiene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
2-Hexanone	ND		47		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Isopropylbenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
4-Isopropyltoluene	**18**		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Methylene Chloride	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
4-Methyl-2-pentanone (MIBK)	ND		47		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Naphthalene	**200**		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
N-Propylbenzene	**20**		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Styrene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1

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

Client Sample ID: BL-1
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Tetrachloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Toluene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Trichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Trichlorofluoromethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
1,2,4-Trimethylbenzene	**390**		25		ug/Kg		09/17/11 09:00	09/17/11 19:46	1
1,3,5-Trimethylbenzene	**300**		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Vinyl acetate	ND		47		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Vinyl chloride	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Xylenes, Total	**62**		9.5		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
2,2-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 01:32	1
Gasoline Range Organics (GRO) -C5-C12	**32000**		1200		ug/Kg		09/17/11 09:00	09/17/11 19:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*118*		*45 - 131*	*09/16/11 15:01*	*09/17/11 01:32*	*1*
4-Bromofluorobenzene	*156*	*X*	*45 - 131*	*09/17/11 09:00*	*09/17/11 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*	*09/16/11 15:01*	*09/17/11 01:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*60 - 140*	*09/17/11 09:00*	*09/17/11 19:46*	*1*
Toluene-d8 (Surr)	*102*		*58 - 140*	*09/16/11 15:01*	*09/17/11 01:32*	*1*
Toluene-d8 (Surr)	*86*		*58 - 140*	*09/17/11 09:00*	*09/17/11 19:46*	*1*

Client Sample ID: BL-2
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Acetone	ND		49		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Benzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Bromobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Chlorobromomethane	ND		20		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Bromoform	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Bromomethane	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
2-Butanone (MEK)	ND		49		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
n-Butylbenzene	**220**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
sec-Butylbenzene	**31**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Carbon disulfide	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Chlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Chloroethane	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Chloroform	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1

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

Client Sample ID: BL-2
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Dibromomethane	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Dichlorodifluoromethane	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Ethylbenzene	**7.3**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
2-Hexanone	ND		49		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Isopropylbenzene	**12**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
4-Isopropyltoluene	**27**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Methylene Chloride	ND		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Naphthalene	**270**		9.8		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
N-Propylbenzene	**36**		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Styrene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Tetrachloroethene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Toluene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Trichloroethene	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
1,2,4-Trimethylbenzene	ND		0.13		ug/Kg		09/19/11 08:23	09/20/11 02:51	100
1,3,5-Trimethylbenzene	**0.29**		0.13		ug/Kg		09/19/11 08:23	09/20/11 02:51	100
Vinyl acetate	ND		49		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Vinyl chloride	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1
Xylenes, Total	ND		0.25		ug/Kg		09/19/11 08:23	09/20/11 02:51	100
2,2-Dichloropropane	ND		4.9		ug/Kg		09/16/11 15:01	09/17/11 02:05	1

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

Client Sample ID: BL-2
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	**19**		6.3		ug/Kg		09/19/11 08:23	09/20/11 02:51	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*143*	*X*	*45 - 131*	*09/16/11 15:01*	*09/17/11 02:05*	*1*
4-Bromofluorobenzene	*105*		*66 - 148*	*09/19/11 08:23*	*09/20/11 02:51*	*100*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*	*09/16/11 15:01*	*09/17/11 02:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*	*09/19/11 08:23*	*09/20/11 02:51*	*100*
Toluene-d8 (Surr)	*94*		*58 - 140*	*09/16/11 15:01*	*09/17/11 02:05*	*1*
Toluene-d8 (Surr)	*100*		*65 - 141*	*09/19/11 08:23*	*09/20/11 02:51*	*100*

Client Sample ID: BL-3
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Acetone	ND		47		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Benzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Dichlorobromomethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Bromobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chlorobromomethane	ND		19		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Bromoform	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Bromomethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
2-Butanone (MEK)	ND		47		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
n-Butylbenzene	**320**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
sec-Butylbenzene	**54**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
tert-Butylbenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Carbon disulfide	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Carbon tetrachloride	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chloroethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chloroform	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chloromethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
2-Chlorotoluene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
4-Chlorotoluene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Chlorodibromomethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,3-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2-Dibromo-3-Chloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Ethylene Dibromide	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Dibromomethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1-Dichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2-Dichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1

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

Client Sample ID: BL-3
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Ethylbenzene	**33**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Hexachlorobutadiene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
2-Hexanone	ND		47		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Isopropylbenzene	**24**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
4-Isopropyltoluene	**45**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Methylene Chloride	ND		9.5		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
4-Methyl-2-pentanone (MIBK)	ND		47		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Naphthalene	**1100**		50		ug/Kg		09/17/11 09:00	09/17/11 20:51	1
N-Propylbenzene	**80**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Styrene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Tetrachloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Toluene	**4.9**		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Trichloroethene	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Trichlorofluoromethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
1,2,4-Trimethylbenzene	**420**		25		ug/Kg		09/17/11 09:00	09/17/11 20:51	1
1,3,5-Trimethylbenzene	**730**		25		ug/Kg		09/17/11 09:00	09/17/11 20:51	1
Vinyl acetate	ND		47		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Vinyl chloride	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Xylenes, Total	**450**		50		ug/Kg		09/17/11 09:00	09/17/11 20:51	1
2,2-Dichloropropane	ND		4.7		ug/Kg		09/16/11 15:01	09/17/11 02:37	1
Gasoline Range Organics (GRO) -C5-C12	**30000**		1300		ug/Kg		09/17/11 09:00	09/17/11 20:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*131*		*45 - 131*	*09/16/11 15:01*	*09/17/11 02:37*	*1*
4-Bromofluorobenzene	*125*		*45 - 131*	*09/17/11 09:00*	*09/17/11 20:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*09/16/11 15:01*	*09/17/11 02:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*	*09/17/11 09:00*	*09/17/11 20:51*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*09/16/11 15:01*	*09/17/11 02:37*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*09/17/11 09:00*	*09/17/11 20:51*	*1*

Client Sample ID: BL-4
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Acetone	ND		230		ug/Kg		09/17/11 09:00	09/17/11 21:23	1

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

Client Sample ID: BL-4
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Dichlorobromomethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Bromobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chlorobromomethane	ND		93		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Bromoform	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Bromomethane	ND		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
2-Butanone (MEK)	ND		230		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
n-Butylbenzene	**120**		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
sec-Butylbenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
tert-Butylbenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Carbon disulfide	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Carbon tetrachloride	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chloroethane	ND	*	46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chloroform	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chloromethane	ND		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
2-Chlorotoluene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
4-Chlorotoluene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Chlorodibromomethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2-Dichlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,3-Dichlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,4-Dichlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,3-Dichloropropane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1-Dichloropropene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2-Dibromo-3-Chloropropane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Ethylene Dibromide	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Dibromomethane	ND		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Dichlorodifluoromethane	ND		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1-Dichloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2-Dichloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1-Dichloroethene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
cis-1,2-Dichloroethene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
trans-1,2-Dichloroethene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2-Dichloropropane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
cis-1,3-Dichloropropene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
trans-1,3-Dichloropropene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Ethylbenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Hexachlorobutadiene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
2-Hexanone	ND		230		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Isopropylbenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
4-Isopropyltoluene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Methylene Chloride	ND		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		230		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Naphthalene	**280**		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
N-Propylbenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Styrene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1,1,2-Tetrachloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1,2,2-Tetrachloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Tetrachloroethene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1

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

TestAmerica Job ID: 720-37519-1

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

Client Sample ID: BL-4
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2,3-Trichlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2,4-Trichlorobenzene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1,1-Trichloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1,2-Trichloroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Trichloroethene	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Trichlorofluoromethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2,3-Trichloropropane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,2,4-Trimethylbenzene	**98**		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
1,3,5-Trimethylbenzene	**280**		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Vinyl acetate	ND		230		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Vinyl chloride	ND	*	23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Xylenes, Total	**170**		46		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
2,2-Dichloropropane	ND		23		ug/Kg		09/17/11 09:00	09/17/11 21:23	1
Gasoline Range Organics (GRO) -C5-C12	**12000**		1200		ug/Kg		09/17/11 09:00	09/17/11 21:23	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*45 - 131*	*09/17/11 09:00*	*09/17/11 21:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*09/17/11 09:00*	*09/17/11 21:23*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*09/17/11 09:00*	*09/17/11 21:23*	*1*

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

Client Sample ID: BL-1
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		0.99		mg/Kg		09/17/11 10:35	09/19/11 18:19	1
Motor Oil Range Organics [C24-C36]	**66**		49		mg/Kg		09/17/11 10:35	09/19/11 18:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*37*	*X*	*0 - 5*	*09/17/11 10:35*	*09/19/11 18:19*	*1*
p-Terphenyl	*91*		*38 - 148*	*09/17/11 10:35*	*09/19/11 18:19*	*1*

Client Sample ID: BL-2
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**34**		0.99		mg/Kg		09/17/11 10:35	09/19/11 18:43	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/17/11 10:35	09/19/11 18:43	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*17*	*X*	*0 - 5*	*09/17/11 10:35*	*09/19/11 18:43*	*1*
p-Terphenyl	*73*		*38 - 148*	*09/17/11 10:35*	*09/19/11 18:43*	*1*

Client Sample ID: BL-3
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**63**		1.0		mg/Kg		09/17/11 10:35	09/19/11 19:06	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/17/11 10:35	09/19/11 19:06	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*20*	*X*	*0 - 5*	*09/17/11 10:35*	*09/19/11 19:06*	*1*
p-Terphenyl	*73*		*38 - 148*	*09/17/11 10:35*	*09/19/11 19:06*	*1*

Client Sample ID: BL-4
Date Collected: 09/15/11 19:00
Date Received: 09/16/11 12:19

Lab Sample ID: 720-37519-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**15**		0.99		mg/Kg		09/17/11 10:35	09/19/11 19:30	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/17/11 10:35	09/19/11 19:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*5*		*0 - 5*	*09/17/11 10:35*	*09/19/11 19:30*	*1*
p-Terphenyl	*79*		*38 - 148*	*09/17/11 10:35*	*09/19/11 19:30*	*1*

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

Lab Sample ID: MB 720-99202/1-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Acetone	ND		50		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Benzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Dichlorobromomethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Bromobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chlorobromomethane	ND		20		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Bromoform	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Bromomethane	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
2-Butanone (MEK)	ND		50		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
n-Butylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
sec-Butylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
tert-Butylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Carbon disulfide	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chloroethane	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chloroform	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chloromethane	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
2-Chlorotoluene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
4-Chlorotoluene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Chlorodibromomethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,3-Dichloropropane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1-Dichloropropene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Ethylene Dibromide	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Dibromomethane	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Dichlorodifluoromethane	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Ethylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Hexachlorobutadiene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
2-Hexanone	ND		50		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Isopropylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
4-Isopropyltoluene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Methylene Chloride	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Naphthalene	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
N-Propylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Styrene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1

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

Lab Sample ID: MB 720-99202/1-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Tetrachloroethene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Toluene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Trichloroethene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Vinyl acetate	ND		50		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Vinyl chloride	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Xylenes, Total	ND		10		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/16/11 15:01	09/16/11 16:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/16/11 15:01	09/16/11 16:23	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*	*09/16/11 15:01*	*09/16/11 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*	*09/16/11 15:01*	*09/16/11 16:23*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*09/16/11 15:01*	*09/16/11 16:23*	*1*

Lab Sample ID: LCS 720-99202/2-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	49.9	50.9		ug/Kg		102	71 - 144
Acetone	250	218		ug/Kg		87	30 - 162
Benzene	49.9	48.7		ug/Kg		98	82 - 124
Dichlorobromomethane	49.9	51.7		ug/Kg		104	86 - 131
Bromobenzene	49.9	49.3		ug/Kg		99	88 - 120
Chlorobromomethane	49.9	50.1		ug/Kg		100	81 - 116
Bromoform	49.9	55.5		ug/Kg		111	59 - 158
Bromomethane	49.9	50.5		ug/Kg		101	59 - 132
2-Butanone (MEK)	250	250		ug/Kg		100	61 - 150
n-Butylbenzene	49.9	53.3		ug/Kg		107	80 - 142
sec-Butylbenzene	49.9	52.5		ug/Kg		105	85 - 136
tert-Butylbenzene	49.9	52.3		ug/Kg		105	71 - 130
Carbon disulfide	49.9	48.3		ug/Kg		97	60 - 136
Carbon tetrachloride	49.9	51.1		ug/Kg		102	81 - 138
Chlorobenzene	49.9	46.9		ug/Kg		94	87 - 113
Chloroethane	49.9	52.7		ug/Kg		106	65 - 126
Chloroform	49.9	48.5		ug/Kg		97	77 - 127
Chloromethane	49.9	47.3		ug/Kg		95	60 - 149
2-Chlorotoluene	49.9	52.3		ug/Kg		105	80 - 138
4-Chlorotoluene	49.9	50.5		ug/Kg		101	79 - 136

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

Lab Sample ID: LCS 720-99202/2-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99202

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlorodibromomethane	49.9	54.1		ug/Kg		108	75 - 146
1,2-Dichlorobenzene	49.9	49.3		ug/Kg		99	84 - 130
1,3-Dichlorobenzene	49.9	49.5		ug/Kg		99	84 - 131
1,4-Dichlorobenzene	49.9	49.1		ug/Kg		98	85 - 125
1,3-Dichloropropane	49.9	50.9		ug/Kg		102	79 - 140
1,1-Dichloropropene	49.9	48.9		ug/Kg		98	70 - 130
1,2-Dibromo-3-Chloropropane	49.9	59.5		ug/Kg		119	68 - 145
Ethylene Dibromide	49.9	53.9		ug/Kg		108	79 - 140
Dibromomethane	49.9	50.7		ug/Kg		102	80 - 139
Dichlorodifluoromethane	49.9	50.7		ug/Kg		102	37 - 158
1,1-Dichloroethane	49.9	48.7		ug/Kg		98	85 - 124
1,2-Dichloroethane	49.9	47.1		ug/Kg		94	72 - 130
1,1-Dichloroethene	49.9	45.9		ug/Kg		92	76 - 122
cis-1,2-Dichloroethene	49.9	54.7		ug/Kg		110	87 - 138
trans-1,2-Dichloroethene	49.9	41.5		ug/Kg		83	67 - 108
1,2-Dichloropropane	49.9	48.3		ug/Kg		97	73 - 127
cis-1,3-Dichloropropene	49.9	53.9		ug/Kg		108	68 - 147
trans-1,3-Dichloropropene	49.9	56.3		ug/Kg		113	84 - 136
Ethylbenzene	49.9	48.5		ug/Kg		97	80 - 137
Hexachlorobutadiene	49.9	52.9		ug/Kg		106	72 - 132
2-Hexanone	250	252		ug/Kg		101	60 - 161
Isopropylbenzene	49.9	51.1		ug/Kg		102	88 - 128
4-Isopropyltoluene	49.9	50.9		ug/Kg		102	85 - 133
Methylene Chloride	49.9	47.9		ug/Kg		96	72 - 134
4-Methyl-2-pentanone (MIBK)	250	273		ug/Kg		110	69 - 160
Naphthalene	49.9	53.5		ug/Kg		107	70 - 147
N-Propylbenzene	49.9	50.3		ug/Kg		101	72 - 125
Styrene	49.9	52.3		ug/Kg		105	89 - 126
1,1,1,2-Tetrachloroethane	49.9	52.9		ug/Kg		106	90 - 130
1,1,2,2-Tetrachloroethane	49.9	53.9		ug/Kg		108	82 - 146
Tetrachloroethene	49.9	48.5		ug/Kg		97	78 - 132
Toluene	49.9	49.3		ug/Kg		99	83 - 128
1,2,3-Trichlorobenzene	49.9	50.1		ug/Kg		100	82 - 135
1,2,4-Trichlorobenzene	49.9	48.9		ug/Kg		98	70 - 131
1,1,1-Trichloroethane	49.9	49.1		ug/Kg		98	80 - 127
1,1,2-Trichloroethane	49.9	51.7		ug/Kg		104	82 - 125
Trichloroethene	49.9	48.3		ug/Kg		97	81 - 133
Trichlorofluoromethane	49.9	53.3		ug/Kg		107	71 - 139
1,2,3-Trichloropropane	49.9	54.1		ug/Kg		108	76 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	49.9	50.5		ug/Kg		101	70 - 130
1,2,4-Trimethylbenzene	49.9	49.9		ug/Kg		100	84 - 130
1,3,5-Trimethylbenzene	49.9	52.7		ug/Kg		106	82 - 131
Vinyl acetate	49.9	63.9		ug/Kg		128	38 - 176
Vinyl chloride	49.9	52.3		ug/Kg		105	58 - 125
m-Xylene & p-Xylene	99.8	96.6		ug/Kg		97	79 - 146
o-Xylene	49.9	50.1		ug/Kg		100	84 - 140
2,2-Dichloropropane	49.9	56.9		ug/Kg		114	73 - 162

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

Lab Sample ID: LCS 720-99202/2-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99202

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: LCS 720-99202/4-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	901		ug/Kg		90	61 - 128		

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	97		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-99202/3-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			49.6	52.8		ug/Kg		106	71 - 144	4	20
Acetone			248	255		ug/Kg		103	30 - 162	16	30
Benzene			49.6	50.2		ug/Kg		101	82 - 124	3	20
Dichlorobromomethane			49.6	53.8		ug/Kg		108	86 - 131	4	20
Bromobenzene			49.6	49.8		ug/Kg		100	88 - 120	1	20
Chlorobromomethane			49.6	50.6		ug/Kg		102	81 - 116	1	20
Bromoform			49.6	58.1		ug/Kg		117	59 - 158	5	20
Bromomethane			49.6	53.0		ug/Kg		107	59 - 132	5	20
2-Butanone (MEK)			248	272		ug/Kg		110	61 - 150	9	20
n-Butylbenzene			49.6	54.0		ug/Kg		109	80 - 142	1	20
sec-Butylbenzene			49.6	53.2		ug/Kg		107	85 - 136	1	20
tert-Butylbenzene			49.6	53.0		ug/Kg		107	71 - 130	1	20
Carbon disulfide			49.6	48.8		ug/Kg		98	60 - 136	1	20
Carbon tetrachloride			49.6	50.0		ug/Kg		101	81 - 138	2	20
Chlorobenzene			49.6	48.4		ug/Kg		98	87 - 113	3	20
Chloroethane			49.6	56.2		ug/Kg		113	65 - 126	6	20
Chloroform			49.6	49.2		ug/Kg		99	77 - 127	1	20
Chloromethane			49.6	54.2		ug/Kg		109	60 - 149	14	20
2-Chlorotoluene			49.6	53.2		ug/Kg		107	80 - 138	2	20
4-Chlorotoluene			49.6	51.4		ug/Kg		104	79 - 136	2	20
Chlorodibromomethane			49.6	56.2		ug/Kg		113	75 - 146	4	20
1,2-Dichlorobenzene			49.6	49.8		ug/Kg		100	84 - 130	1	20
1,3-Dichlorobenzene			49.6	50.6		ug/Kg		102	84 - 131	2	20
1,4-Dichlorobenzene			49.6	48.6		ug/Kg		98	85 - 125	1	20
1,3-Dichloropropane			49.6	53.8		ug/Kg		108	79 - 140	5	20
1,1-Dichloropropene			49.6	49.4		ug/Kg		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			49.6	61.3		ug/Kg		124	68 - 145	3	20

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

Lab Sample ID: LCSD 720-99202/3-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ethylene Dibromide			49.6	56.0		ug/Kg		113	79 - 140	4	20
Dibromomethane			49.6	53.0		ug/Kg		107	80 - 139	4	20
Dichlorodifluoromethane			49.6	52.2		ug/Kg		105	37 - 158	3	20
1,1-Dichloroethane			49.6	50.2		ug/Kg		101	85 - 124	3	20
1,2-Dichloroethane			49.6	48.8		ug/Kg		98	72 - 130	4	20
1,1-Dichloroethene			49.6	44.6		ug/Kg		90	76 - 122	3	20
cis-1,2-Dichloroethene			49.6	56.9		ug/Kg		115	87 - 138	4	20
trans-1,2-Dichloroethene			49.6	42.3		ug/Kg		85	67 - 108	2	20
1,2-Dichloropropane			49.6	50.0		ug/Kg		101	73 - 127	3	20
cis-1,3-Dichloropropene			49.6	56.0		ug/Kg		113	68 - 147	4	20
trans-1,3-Dichloropropene			49.6	58.3		ug/Kg		118	84 - 136	4	20
Ethylbenzene			49.6	49.6		ug/Kg		100	80 - 137	2	20
Hexachlorobutadiene			49.6	52.2		ug/Kg		105	72 - 132	1	20
2-Hexanone			248	284		ug/Kg		115	60 - 161	12	20
Isopropylbenzene			49.6	52.0		ug/Kg		105	88 - 128	2	20
4-Isopropyltoluene			49.6	51.0		ug/Kg		103	85 - 133	0	20
Methylene Chloride			49.6	48.8		ug/Kg		98	72 - 134	2	20
4-Methyl-2-pentanone (MIBK)			248	306		ug/Kg		123	69 - 160	11	20
Naphthalene			49.6	55.8		ug/Kg		112	70 - 147	4	20
N-Propylbenzene			49.6	50.8		ug/Kg		102	72 - 125	1	20
Styrene			49.6	53.6		ug/Kg		108	89 - 126	2	20
1,1,1,2-Tetrachloroethane			49.6	53.0		ug/Kg		107	90 - 130	0	20
1,1,2,2-Tetrachloroethane			49.6	57.1		ug/Kg		115	82 - 146	6	20
Tetrachloroethene			49.6	48.8		ug/Kg		98	78 - 132	1	20
Toluene			49.6	50.2		ug/Kg		101	83 - 128	2	20
1,2,3-Trichlorobenzene			49.6	51.0		ug/Kg		103	82 - 135	2	20
1,2,4-Trichlorobenzene			49.6	48.8		ug/Kg		98	70 - 131	0	20
1,1,1-Trichloroethane			49.6	49.4		ug/Kg		100	80 - 127	1	20
1,1,2-Trichloroethane			49.6	54.0		ug/Kg		109	82 - 125	4	20
Trichloroethene			49.6	47.6		ug/Kg		96	81 - 133	1	20
Trichlorofluoromethane			49.6	51.8		ug/Kg		104	71 - 139	3	20
1,2,3-Trichloropropane			49.6	56.3		ug/Kg		114	76 - 146	4	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			49.6	47.8		ug/Kg		96	70 - 130	5	20
1,2,4-Trimethylbenzene			49.6	51.0		ug/Kg		103	84 - 130	2	20
1,3,5-Trimethylbenzene			49.6	53.0		ug/Kg		107	82 - 131	1	20
Vinyl acetate			49.6	69.0		ug/Kg		139	38 - 176	8	20
Vinyl chloride			49.6	56.3		ug/Kg		114	58 - 125	7	20
m-Xylene & p-Xylene			99.2	98.2		ug/Kg		99	79 - 146	2	20
o-Xylene			49.6	51.0		ug/Kg		103	84 - 140	2	20
2,2-Dichloropropane			49.6	55.0		ug/Kg		111	73 - 162	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

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

Lab Sample ID: LCSD 720-99202/5-A
Matrix: Solid
Analysis Batch: 99197

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			998	925		ug/Kg		93	61 - 128	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: MB 720-99229/1-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Acetone	ND		50		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Benzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Dichlorobromomethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Bromobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chlorobromomethane	ND		20		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Bromoform	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Bromomethane	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
2-Butanone (MEK)	ND		50		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
n-Butylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
sec-Butylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
tert-Butylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Carbon disulfide	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chloroethane	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chloroform	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chloromethane	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
2-Chlorotoluene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
4-Chlorotoluene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Chlorodibromomethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,3-Dichloropropane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1-Dichloropropene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Ethylene Dibromide	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Dibromomethane	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1

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

Lab Sample ID: MB 720-99229/1-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Ethylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Hexachlorobutadiene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
2-Hexanone	ND		50		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Isopropylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
4-Isopropyltoluene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Methylene Chloride	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Naphthalene	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
N-Propylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Styrene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Tetrachloroethene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Toluene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Trichloroethene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Vinyl acetate	ND		50		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Vinyl chloride	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Xylenes, Total	ND		9.9		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/17/11 09:00	09/17/11 12:06	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/17/11 09:00	09/17/11 12:06	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*45 - 131*	*09/17/11 09:00*	*09/17/11 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*	*09/17/11 09:00*	*09/17/11 12:06*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*	*09/17/11 09:00*	*09/17/11 12:06*	*1*

Lab Sample ID: LCS 720-99229/2-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methyl tert-butyl ether	47.9	54.0		ug/Kg		113	71 - 144
Acetone	239	232		ug/Kg		97	30 - 162
Benzene	47.9	50.4		ug/Kg		105	82 - 124
Dichlorobromomethane	47.9	54.0		ug/Kg		113	86 - 131
Bromobenzene	47.9	44.3		ug/Kg		92	88 - 120
Chlorobromomethane	47.9	52.9		ug/Kg		110	81 - 116
Bromoform	47.9	55.6		ug/Kg		116	59 - 158

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

Lab Sample ID: LCS 720-99229/2-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromomethane	47.9	56.3		ug/Kg		118	59 - 132
2-Butanone (MEK)	239	252		ug/Kg		105	61 - 150
n-Butylbenzene	47.9	45.0		ug/Kg		94	80 - 142
sec-Butylbenzene	47.9	45.0		ug/Kg		94	85 - 136
tert-Butylbenzene	47.9	45.8		ug/Kg		96	71 - 130
Carbon disulfide	47.9	49.0		ug/Kg		102	60 - 136
Carbon tetrachloride	47.9	51.5		ug/Kg		108	81 - 138
Chlorobenzene	47.9	46.0		ug/Kg		96	87 - 113
Chloroethane	47.9	60.0		ug/Kg		125	65 - 126
Chloroform	47.9	50.4		ug/Kg		105	77 - 127
Chloromethane	47.9	52.5		ug/Kg		110	60 - 149
2-Chlorotoluene	47.9	46.0		ug/Kg		96	80 - 138
4-Chlorotoluene	47.9	44.4		ug/Kg		93	79 - 136
Chlorodibromomethane	47.9	56.5		ug/Kg		118	75 - 146
1,2-Dichlorobenzene	47.9	43.7		ug/Kg		91	84 - 130
1,3-Dichlorobenzene	47.9	43.7		ug/Kg		91	84 - 131
1,4-Dichlorobenzene	47.9	43.3		ug/Kg		90	85 - 125
1,3-Dichloropropane	47.9	52.7		ug/Kg		110	79 - 140
1,1-Dichloropropene	47.9	49.8		ug/Kg		104	70 - 130
1,2-Dibromo-3-Chloropropane	47.9	50.8		ug/Kg		106	68 - 145
Ethylene Dibromide	47.9	54.8		ug/Kg		114	79 - 140
Dibromomethane	47.9	51.9		ug/Kg		108	80 - 139
Dichlorodifluoromethane	47.9	50.2		ug/Kg		105	37 - 158
1,1-Dichloroethane	47.9	51.7		ug/Kg		108	85 - 124
1,2-Dichloroethane	47.9	49.8		ug/Kg		104	72 - 130
1,1-Dichloroethene	47.9	47.7		ug/Kg		100	76 - 122
cis-1,2-Dichloroethene	47.9	57.5		ug/Kg		120	87 - 138
trans-1,2-Dichloroethene	47.9	44.3		ug/Kg		92	67 - 108
1,2-Dichloropropane	47.9	50.2		ug/Kg		105	73 - 127
cis-1,3-Dichloropropene	47.9	56.3		ug/Kg		118	68 - 147
trans-1,3-Dichloropropene	47.9	58.8		ug/Kg		123	84 - 136
Ethylbenzene	47.9	46.7		ug/Kg		98	80 - 137
Hexachlorobutadiene	47.9	46.6		ug/Kg		97	72 - 132
2-Hexanone	239	254		ug/Kg		106	60 - 161
Isopropylbenzene	47.9	48.5		ug/Kg		101	88 - 128
4-Isopropyltoluene	47.9	43.9		ug/Kg		92	85 - 133
Methylene Chloride	47.9	52.9		ug/Kg		110	72 - 134
4-Methyl-2-pentanone (MIBK)	239	274		ug/Kg		115	69 - 160
Naphthalene	47.9	46.4		ug/Kg		97	70 - 147
N-Propylbenzene	47.9	43.3		ug/Kg		90	72 - 125
Styrene	47.9	50.6		ug/Kg		106	89 - 126
1,1,1,2-Tetrachloroethane	47.9	52.1		ug/Kg		109	90 - 130
1,1,2,2-Tetrachloroethane	47.9	46.7		ug/Kg		98	82 - 146
Tetrachloroethene	47.9	49.2		ug/Kg		103	78 - 132
Toluene	47.9	48.5		ug/Kg		101	83 - 128
1,2,3-Trichlorobenzene	47.9	43.5		ug/Kg		91	82 - 135
1,2,4-Trichlorobenzene	47.9	42.3		ug/Kg		88	70 - 131
1,1,1-Trichloroethane	47.9	51.1		ug/Kg		107	80 - 127
1,1,2-Trichloroethane	47.9	53.1		ug/Kg		111	82 - 125
Trichloroethene	47.9	49.2		ug/Kg		103	81 - 133

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

Lab Sample ID: LCS 720-99229/2-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Trichlorofluoromethane			47.9	52.5		ug/Kg		110	71 - 139		
1,2,3-Trichloropropane			47.9	47.3		ug/Kg		99	76 - 146		
1,1,2-Trichloro-1,2,2-trifluoroethane			47.9	51.1		ug/Kg		107	70 - 130		
1,2,4-Trimethylbenzene			47.9	44.3		ug/Kg		92	84 - 130		
1,3,5-Trimethylbenzene			47.9	46.2		ug/Kg		96	82 - 131		
Vinyl acetate			47.9	66.5		ug/Kg		139	38 - 176		
Vinyl chloride			47.9	56.3		ug/Kg		118	58 - 125		
m-Xylene & p-Xylene			95.8	94.3		ug/Kg		98	79 - 146		
o-Xylene			47.9	48.5		ug/Kg		101	84 - 140		
2,2-Dichloropropane			47.9	58.4		ug/Kg		122	73 - 162		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCS 720-99229/4-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			978	1010		ug/Kg		103	61 - 128		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: LCSD 720-99229/3-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			49.0	57.5		ug/Kg		117	71 - 144	6	20
Acetone			245	254		ug/Kg		104	30 - 162	9	30
Benzene			49.0	53.7		ug/Kg		110	82 - 124	6	20
Dichlorobromomethane			49.0	58.6		ug/Kg		120	86 - 131	8	20
Bromobenzene			49.0	46.7		ug/Kg		95	88 - 120	5	20
Chlorobromomethane			49.0	55.3		ug/Kg		113	81 - 116	4	20
Bromoform			49.0	58.0		ug/Kg		118	59 - 158	4	20
Bromomethane			49.0	59.6		ug/Kg		122	59 - 132	6	20
2-Butanone (MEK)			245	277		ug/Kg		113	61 - 150	9	20
n-Butylbenzene			49.0	48.6		ug/Kg		99	80 - 142	8	20
sec-Butylbenzene			49.0	48.6		ug/Kg		99	85 - 136	8	20
tert-Butylbenzene			49.0	49.8		ug/Kg		102	71 - 130	8	20
Carbon disulfide			49.0	52.0		ug/Kg		106	60 - 136	6	20
Carbon tetrachloride			49.0	54.7		ug/Kg		112	81 - 138	6	20
Chlorobenzene			49.0	48.2		ug/Kg		98	87 - 113	5	20

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

Lab Sample ID: LCSD 720-99229/3-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloroethane	49.0	63.3	*	ug/Kg		129	65 - 126	5	20
Chloroform	49.0	54.3		ug/Kg		111	77 - 127	8	20
Chloromethane	49.0	57.5		ug/Kg		117	60 - 149	9	20
2-Chlorotoluene	49.0	50.4		ug/Kg		103	80 - 138	9	20
4-Chlorotoluene	49.0	48.6		ug/Kg		99	79 - 136	9	20
Chlorodibromomethane	49.0	60.2		ug/Kg		123	75 - 146	6	20
1,2-Dichlorobenzene	49.0	46.5		ug/Kg		95	84 - 130	6	20
1,3-Dichlorobenzene	49.0	46.7		ug/Kg		95	84 - 131	7	20
1,4-Dichlorobenzene	49.0	46.1		ug/Kg		94	85 - 125	6	20
1,3-Dichloropropane	49.0	56.7		ug/Kg		116	79 - 140	7	20
1,1-Dichloropropene	49.0	53.7		ug/Kg		110	70 - 130	8	20
1,2-Dibromo-3-Chloropropane	49.0	57.5		ug/Kg		117	68 - 145	12	20
Ethylene Dibromide	49.0	58.8		ug/Kg		120	79 - 140	7	20
Dibromomethane	49.0	55.9		ug/Kg		114	80 - 139	7	20
Dichlorodifluoromethane	49.0	53.5		ug/Kg		109	37 - 158	6	20
1,1-Dichloroethane	49.0	56.5		ug/Kg		115	85 - 124	9	20
1,2-Dichloroethane	49.0	52.9		ug/Kg		108	72 - 130	6	20
1,1-Dichloroethene	49.0	48.8		ug/Kg		100	76 - 122	2	20
cis-1,2-Dichloroethene	49.0	62.0		ug/Kg		126	87 - 138	8	20
trans-1,2-Dichloroethene	49.0	46.5		ug/Kg		95	67 - 108	5	20
1,2-Dichloropropane	49.0	54.5		ug/Kg		111	73 - 127	8	20
cis-1,3-Dichloropropene	49.0	60.4		ug/Kg		123	68 - 147	7	20
trans-1,3-Dichloropropene	49.0	63.1		ug/Kg		129	84 - 136	7	20
Ethylbenzene	49.0	49.8		ug/Kg		102	80 - 137	6	20
Hexachlorobutadiene	49.0	47.3		ug/Kg		96	72 - 132	1	20
2-Hexanone	245	290		ug/Kg		118	60 - 161	13	20
Isopropylbenzene	49.0	51.0		ug/Kg		104	88 - 128	5	20
4-Isopropyltoluene	49.0	47.1		ug/Kg		96	85 - 133	7	20
Methylene Chloride	49.0	55.9		ug/Kg		114	72 - 134	6	20
4-Methyl-2-pentanone (MIBK)	245	311		ug/Kg		127	69 - 160	13	20
Naphthalene	49.0	51.6		ug/Kg		105	70 - 147	11	20
N-Propylbenzene	49.0	47.6		ug/Kg		97	72 - 125	10	20
Styrene	49.0	53.1		ug/Kg		108	89 - 126	5	20
1,1,1,2-Tetrachloroethane	49.0	54.9		ug/Kg		112	90 - 130	5	20
1,1,2,2-Tetrachloroethane	49.0	52.2		ug/Kg		106	82 - 146	11	20
Tetrachloroethene	49.0	50.8		ug/Kg		104	78 - 132	3	20
Toluene	49.0	50.4		ug/Kg		103	83 - 128	4	20
1,2,3-Trichlorobenzene	49.0	46.9		ug/Kg		96	82 - 135	7	20
1,2,4-Trichlorobenzene	49.0	45.3		ug/Kg		92	70 - 131	7	20
1,1,1-Trichloroethane	49.0	54.3		ug/Kg		111	80 - 127	6	20
1,1,2-Trichloroethane	49.0	56.7		ug/Kg		116	82 - 125	7	20
Trichloroethene	49.0	51.8		ug/Kg		106	81 - 133	5	20
Trichlorofluoromethane	49.0	56.5		ug/Kg		115	71 - 139	7	20
1,2,3-Trichloropropane	49.0	51.8		ug/Kg		106	76 - 146	9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	49.0	51.4		ug/Kg		105	70 - 130	0	20
1,2,4-Trimethylbenzene	49.0	47.6		ug/Kg		97	84 - 130	7	20
1,3,5-Trimethylbenzene	49.0	50.0		ug/Kg		102	82 - 131	8	20
Vinyl acetate	49.0	73.5		ug/Kg		150	38 - 176	10	20
Vinyl chloride	49.0	62.7	*	ug/Kg		128	58 - 125	11	20

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

Lab Sample ID: LCSD 720-99229/3-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			98.0	99.2		ug/Kg		101	79 - 146	5	20
o-Xylene			49.0	51.2		ug/Kg		104	84 - 140	5	20
2,2-Dichloropropane			49.0	60.8		ug/Kg		124	73 - 162	4	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: LCSD 720-99229/5-A
Matrix: Solid
Analysis Batch: 99227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			994	1050		ug/Kg		106	61 - 128	4	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: MB 720-99264/1-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 99264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		500		ug/Kg		09/19/11 08:23	09/19/11 10:21	100
1,3,5-Trimethylbenzene	ND		500		ug/Kg		09/19/11 08:23	09/19/11 10:21	100
Xylenes, Total	ND		1000		ug/Kg		09/19/11 08:23	09/19/11 10:21	100
Gasoline Range Organics (GRO) -C5-C12	ND		25000		ug/Kg		09/19/11 08:23	09/19/11 10:21	100

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*66 - 148*	*09/19/11 08:23*	*09/19/11 10:21*	*100*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*	*09/19/11 08:23*	*09/19/11 10:21*	*100*
Toluene-d8 (Surr)	*97*		*65 - 141*	*09/19/11 08:23*	*09/19/11 10:21*	*100*

Lab Sample ID: LCS 720-99264/2-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,2,4-Trimethylbenzene			2490	2510		ug/Kg		101	62 - 155		
1,3,5-Trimethylbenzene			2490	2600		ug/Kg		104	69 - 142		
m-Xylene & p-Xylene			4980	5260		ug/Kg		106	71 - 142		
o-Xylene			2490	2640		ug/Kg		106	71 - 142		

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

Lab Sample ID: LCS 720-99264/2-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99264

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		66 - 148
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
Toluene-d8 (Surr)	101		65 - 141

Lab Sample ID: LCS 720-99264/4-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 99264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			49800	47900		ug/Kg		96	60 - 116		

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		66 - 148
1,2-Dichloroethane-d4 (Surr)	94		62 - 137
Toluene-d8 (Surr)	98		65 - 141

Lab Sample ID: LCSD 720-99264/3-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene			2490	2510		ug/Kg		101	62 - 155	0	20
1,3,5-Trimethylbenzene			2490	2620		ug/Kg		105	69 - 142	1	20
m-Xylene & p-Xylene			4980	5330		ug/Kg		107	71 - 142	1	20
o-Xylene			2490	2650		ug/Kg		106	71 - 142	0	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		66 - 148
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
Toluene-d8 (Surr)	100		65 - 141

Lab Sample ID: LCSD 720-99264/5-A
Matrix: Solid
Analysis Batch: 99254

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 99264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			49800	47800		ug/Kg		96	60 - 116	0	20

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		66 - 148
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
Toluene-d8 (Surr)	99		65 - 141

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

Lab Sample ID: MB 720-99232/1-A
Matrix: Solid
Analysis Batch: 99258

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 99232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		09/17/11 10:35	09/19/11 12:42	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/17/11 10:35	09/19/11 12:42	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 5*	*09/17/11 10:35*	*09/19/11 12:42*	*1*
p-Terphenyl	*98*		*38 - 148*	*09/17/11 10:35*	*09/19/11 12:42*	*1*

Lab Sample ID: LCS 720-99232/2-A
Matrix: Solid
Analysis Batch: 99258

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 99232

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel Range Organics [C10-C28]			82.6	74.7		mg/Kg		90	50 - 150		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*94*		*38 - 148*

Lab Sample ID: LCSD 720-99232/3-A
Matrix: Solid
Analysis Batch: 99258

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 99232

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.4	82.3		mg/Kg		100	50 - 150	10	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

GC/MS VOA

Analysis Batch: 99197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Total/NA	Solid	8260B/CA_LUFT MS	99202
720-37519-2	BL-2	Total/NA	Solid	8260B/CA_LUFT MS	99202
720-37519-3	BL-3	Total/NA	Solid	8260B/CA_LUFT MS	99202
LCS 720-99202/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99202
LCS 720-99202/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99202
LCSD 720-99202/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99202
LCSD 720-99202/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99202
MB 720-99202/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	99202

Prep Batch: 99202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Total/NA	Solid	5030B	
720-37519-2	BL-2	Total/NA	Solid	5030B	
720-37519-3	BL-3	Total/NA	Solid	5030B	
LCS 720-99202/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-99202/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-99202/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-99202/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-99202/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 99227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Total/NA	Solid	8260B/CA_LUFT MS	99229
720-37519-3	BL-3	Total/NA	Solid	8260B/CA_LUFT MS	99229
720-37519-4	BL-4	Total/NA	Solid	8260B/CA_LUFT MS	99229
LCS 720-99229/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99229
LCS 720-99229/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99229
LCSD 720-99229/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99229
LCSD 720-99229/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99229
MB 720-99229/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	99229

Prep Batch: 99229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Total/NA	Solid	5030B	
720-37519-3	BL-3	Total/NA	Solid	5030B	
720-37519-4	BL-4	Total/NA	Solid	5030B	
LCS 720-99229/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-99229/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-99229/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-99229/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC/MS VOA (Continued)

Prep Batch: 99229 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-99229/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 99254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-99264/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99264
LCS 720-99264/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	99264
LCSD 720-99264/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99264
LCSD 720-99264/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	99264
MB 720-99264/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	99264

Prep Batch: 99264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-2	BL-2	Total/NA	Solid	5030B	
LCS 720-99264/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-99264/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-99264/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-99264/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-99264/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 99302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-2	BL-2	Total/NA	Solid	8260B/CA_LUFT MS	99264

GC Semi VOA

Prep Batch: 99232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Silica Gel Cleanup	Solid	3546	
720-37519-2	BL-2	Silica Gel Cleanup	Solid	3546	
720-37519-3	BL-3	Silica Gel Cleanup	Solid	3546	
720-37519-4	BL-4	Silica Gel Cleanup	Solid	3546	
LCS 720-99232/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-99232/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-99232/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 99258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-37519-1	BL-1	Silica Gel Cleanup	Solid	8015B	99232
720-37519-2	BL-2	Silica Gel Cleanup	Solid	8015B	99232
720-37519-3	BL-3	Silica Gel Cleanup	Solid	8015B	99232
720-37519-4	BL-4	Silica Gel Cleanup	Solid	8015B	99232
LCS 720-99232/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	99232
LCSD 720-99232/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	99232
MB 720-99232/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	99232

Certification Summary

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

TestAmerica Job ID: 720-37519-1

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

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

Method Summary

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

TestAmerica Job ID: 720-37519-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 720-37519-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-37519-1	BL-1	Solid	09/15/11 19:00	09/16/11 12:19
720-37519-2	BL-2	Solid	09/15/11 19:00	09/16/11 12:19
720-37519-3	BL-3	Solid	09/15/11 19:00	09/16/11 12:19
720-37519-4	BL-4	Solid	09/15/11 19:00	09/16/11 12:19

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane Pleasanton, CA 94566-4756
Phone: (925) 484-1919 Fax: (925) 600-3002

720-37519

Reference #: 133754

Date 9/16/11 Page 1 of 1

9/23/2011

Report To

Attn: Morgan Johnson
Company: ENGEO
Address: 2213 Plaza Dr, Rocklin
Phone: 916 580 6518 Email: mjohnson@engeo.com
Bill To:
Sampled By: GH
Attn:
Phone: 925-570-8893

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☐ MTBE ☒ Gas w/ ☐ BTEX	TEPH EPA 8015M* ☒ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP ☐ ☐	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
BL-1	9/15/11	4:00 pm	Soil		X	X			X												
BL-2	↓	↓	↓		↓	↓			↓												
BL-3	↓	↓	↓		↓	↓			↓												
BL-4	↓	↓	↓		↓	↓			↓												

Page 33 of 34

Project Info.

Project Name: Jordan Ranch
Project#: 78280000.01
PO#:
Credit Card#:

Sample Receipt

of Containers: 4 Sleeves
Head Space:
Temp: 12.3°C
Conforms to record:

TAT: (5 Day) 3 Day 2 Day 1 Day Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF
Special Instructions / Comments: ☐ Global ID ___
OK TO ANALIZE OUT OF TEMP.

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

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 12:19	Signature: Time:	Signature: Time:
Printed Name: GREG HOLDEN Date: 9/16/11	Printed Name: Date:	Printed Name: Date:
Company: ENGEO	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 1219	Signature: Time:	Signature: Time:
Printed Name: Mulley Date: 9-16-11	Printed Name: Date:	Printed Name: Date:
Company: [signature]	Company:	Company:

Rev09/09

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-37519-1

Login Number: 37519

List Source: TestAmerica San Francisco

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	22.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

January 25, 2012

CLS Work Order #: CUI0090
COC #:

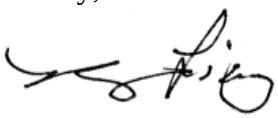
Morgan Johnson
ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project Name: Jordan Ranch

Enclosed are the results of analyses for samples received by the laboratory on 09/02/11 13:38. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



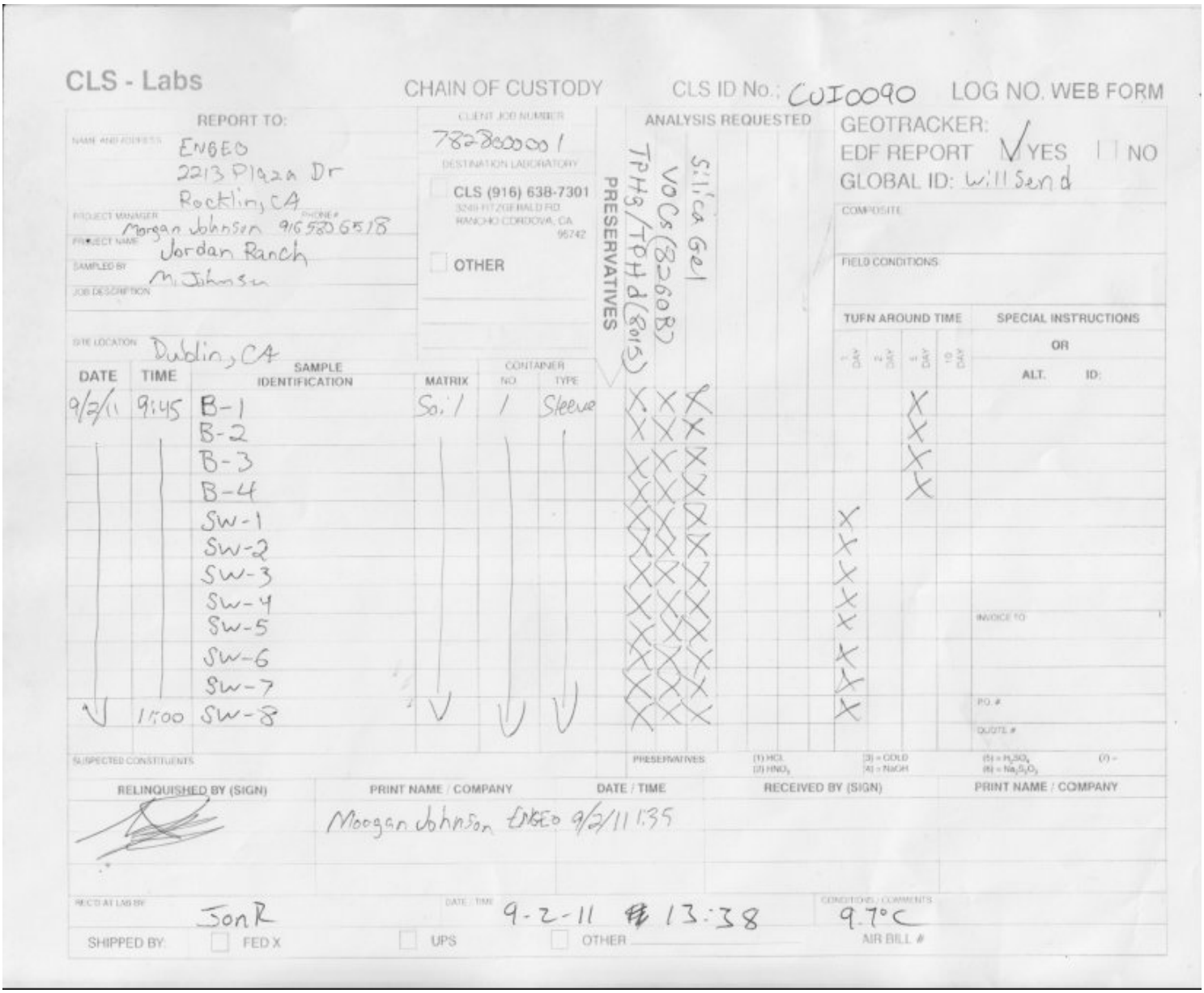
James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

01/25/12 11:28

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:



CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: CUI0090

LOG NO. WEB FORM

REPORT TO:

ENGEO
2213 Plaza Dr
Rocklin, CA
Morgan Johnson 9165806518

Project Name: Jordan Ranch
Sampled By: M. Johnson
Job Description:
Site Location: Dublin, CA

Client Job Number: 7828.000.001

Destination Laboratory: CLS (916) 638-7301
3249 Fitzgerald Rd
Rancho Cordova, CA
95742

OTHER

ANALYSIS REQUESTED

PRESERVATIVES

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO	CONTAINER TYPE	TPHg/TPHd (8015)	VOCs (8260B)	Silica Gel
9/2/11	9:45	B-1	Soil	1	Sleeve	X	X	X
		B-2				X	X	X
		B-3				X	X	X
		B-4				X	X	X
		SW-1				X	X	X
		SW-2				X	X	X
		SW-3				X	X	X
		SW-4				X	X	X
		SW-5				X	X	X
		SW-6				X	X	X
		SW-7				X	X	X
	11:00	SW-8				X	X	X

GEOTRACKER:
EDF REPORT ☑ YES ☐ NO
GLOBAL ID: Will Send

COMPOSITE

FIELD CONDITIONS

TURN AROUND TIME: 1 DAY, 2 DAY, 3 DAY, 10 DAY

SPECIAL INSTRUCTIONS
OR
ALT. ID:

INVOICE TO:

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCl, (2) HNO_3, (3) = GOLD, (4) = NaOH, (5) = H_2SO_4, (6) = $Na_2S_2O_3$, (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Morgan Johnson ENGEO	9/2/11 1:35		

RECD AT LAB BY: JonR
DATE / TIME: 9-2-11 @ 13:38
CONDITIONS / COMMENTS: 9.7°C

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER
AIR BILL #

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 (CUI0090-05) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.8**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*70 %*		*65-135*	"	"	"	"	
SW-2 (CUI0090-06) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**5.2**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*68 %*		*65-135*	"	"	"	"	
SW-3 (CUI0090-07) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.6**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*74 %*		*65-135*	"	"	"	"	
SW-4 (CUI0090-08) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.5**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*70 %*		*65-135*	"	"	"	"	
SW-5 (CUI0090-09) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.1**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*66 %*		*65-135*	"	"	"	"	
SW-6 (CUI0090-10) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.2**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*72 %*		*65-135*	"	"	"	"	
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Diesel	**4.2**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 (CUI0090-11) Soil	**Sampled: 09/02/11 09:45**	**Received: 09/02/11 13:38**							
Surrogate: o-Terphenyl		*72 %*	*65-135*		*CU06343*	"	*09/06/11*	*EPA 8015M*	
SW-8 (CUI0090-12) Soil	**Sampled: 09/02/11 11:00**	**Received: 09/02/11 13:38**							
Diesel	**5.1**	1.0	mg/kg	1	CU06343	09/02/11	09/06/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*81 %*	*65-135*		"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 (CUI0090-05) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*65 %*		*65-135*		"	"	"	"
SW-2 (CUI0090-06) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*78 %*		*65-135*		"	"	"	"
SW-3 (CUI0090-07) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*77 %*		*65-135*		"	"	"	"
SW-4 (CUI0090-08) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*71 %*		*65-135*		"	"	"	"
SW-5 (CUI0090-09) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*74 %*		*65-135*		"	"	"	"
SW-6 (CUI0090-10) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*75 %*		*65-135*		"	"	"	"
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Surrogate: o-Chlorotoluene (Gas)		*73 %*	*65-135*		*CU06342*	"	*09/02/11*	*EPA 8015M*	
SW-8 (CUI0090-12) Soil Sampled: 09/02/11 11:00 Received: 09/02/11 13:38									
Gasoline	ND	0.50	mg/kg	1	CU06342	09/02/11	09/02/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*76 %*	*65-135*		*"*	"	*"*	*"*	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 (CUI0090-05) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 (CUI0090-05) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2-Dichloropropane	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1 (CUI0090-05) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2,4-Trimethylbenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*98 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*		*50-128*	"	"	"	"	
SW-2 (CUI0090-06) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-2 (CUI0090-06) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2-Dichlorobenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-2 (CUI0090-06) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Toluene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*97 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*		*50-128*	"	"	"	"	
SW-3 (CUI0090-07) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-3 (CUI0090-07) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Chloroethane	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	

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Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-3 (CUI0090-07) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Methylene chloride	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*50-125*			"	"	"	"	
Surrogate: Toluene-d8	*99 %*	*62-125*			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	*101 %*	*50-128*			"	"	"	"	

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Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-4 (CUI0090-08) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO
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Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-4 (CUI0090-08) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2-Dichloropropane	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-4 (CUI0090-08) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2,4-Trimethylbenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*98 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*50-128*	"	"	"	"	
SW-5 (CUI0090-09) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-5 (CUI0090-09) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2-Dichlorobenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-5 (CUI0090-09) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Toluene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*98 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*		*50-128*	"	"	"	"	
SW-6 (CUI0090-10) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-6 (CUI0090-10) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Chloroethane	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-6 (CUI0090-10) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Methylene chloride	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*95 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*50-128*	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2-Dichloropropane	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 (CUI0090-11) Soil Sampled: 09/02/11 09:45 Received: 09/02/11 13:38									
1,2,4-Trimethylbenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*96 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*50-128*	"	"	"	"	
SW-8 (CUI0090-12) Soil Sampled: 09/02/11 11:00 Received: 09/02/11 13:38									
Acetone	ND	100	µg/kg	1	CU06366	09/03/11	09/03/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-8 (CUI0090-12) Soil Sampled: 09/02/11 11:00 Received: 09/02/11 13:38									
1,2-Dichlorobenzene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-8 (CUI0090-12) Soil Sampled: 09/02/11 11:00 Received: 09/02/11 13:38									
Toluene	ND	5.0	µg/kg	1	CU06366	"	09/03/11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*95 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*		*50-128*	"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06343 - CA LUFT - orb shaker										
Blank (CU06343-BLK1)				Prepared: 09/02/11 Analyzed: 09/06/11						
Diesel	ND	1.0	mg/kg							
Motor Oil	ND	1.0	"							
Hydraulic Oil	ND	1.0	"							
Mineral Oil	ND	1.0	"							
Kerosene	ND	1.0	"							
Surrogate: o-Terphenyl	*0.424*		*"*	*0.500*		*85*	*65-135*			
LCS (CU06343-BS1)				Prepared: 09/02/11 Analyzed: 09/06/11						
Diesel	43.9	1.0	mg/kg	50.0		88	65-135			
Surrogate: o-Terphenyl	*0.522*		*"*	*0.500*		*104*	*65-135*			
LCS Dup (CU06343-BSD1)				Prepared: 09/02/11 Analyzed: 09/06/11						
Diesel	43.2	1.0	mg/kg	50.0		86	65-135	1	30	
Surrogate: o-Terphenyl	*0.524*		*"*	*0.500*		*105*	*65-135*			
Matrix Spike (CU06343-MS1)		**Source: CUI0090-12**		Prepared: 09/02/11 Analyzed: 09/06/11						
Diesel	13.7	1.0	mg/kg	10.0	5.13	86	59-138			
Surrogate: o-Terphenyl	*0.402*		*"*	*0.500*		*80*	*65-135*			
Matrix Spike Dup (CU06343-MSD1)		**Source: CUI0090-12**		Prepared: 09/02/11 Analyzed: 09/06/11						
Diesel	11.3	1.0	mg/kg	10.0	5.13	62	59-138	19	37	
Surrogate: o-Terphenyl	*0.461*		*"*	*0.500*		*92*	*65-135*			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

TPH-Gasoline by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06342 - EPA 5030 Soil GC										
Blank (CU06342-BLK1)				Prepared & Analyzed: 09/02/11						
Gasoline	ND	0.50	mg/kg							
Surrogate: o-Chlorotoluene (Gas)	*0.0142*		*"*	*0.0200*		*71*	*65-135*			
LCS (CU06342-BS1)				Prepared & Analyzed: 09/02/11						
Gasoline	1.03	0.50	mg/kg	1.00		103	65-135			
Surrogate: o-Chlorotoluene (Gas)	*0.0144*		*"*	*0.0200*		*72*	*65-135*			
LCS Dup (CU06342-BSD1)				Prepared & Analyzed: 09/02/11						
Gasoline	0.975	0.50	mg/kg	1.00		98	65-135	5	30	
Surrogate: o-Chlorotoluene (Gas)	*0.0164*		*"*	*0.0200*		*82*	*65-135*			
Matrix Spike (CU06342-MS1)		**Source: CUI0090-05**		Prepared & Analyzed: 09/02/11						
Gasoline	1.13	0.50	mg/kg	1.00	ND	113	63-124			
Surrogate: o-Chlorotoluene (Gas)	*0.0201*		*"*	*0.0200*		*100*	*65-135*			
Matrix Spike Dup (CU06342-MSD1)		**Source: CUI0090-05**		Prepared & Analyzed: 09/02/11						
Gasoline	1.01	0.50	mg/kg	1.00	ND	101	63-124	11	35	
Surrogate: o-Chlorotoluene (Gas)	*0.0193*		*"*	*0.0200*		*97*	*65-135*			

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06366 - EPA 5030 Soil MS										
Blank (CU06366-BLK1)				Prepared & Analyzed: 09/03/11						
Acetone	ND	100	µg/kg							
Benzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	10	"							
2-Butanone	ND	100	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	10	"							
o-Chlorotoluene	ND	5.0	"							
p-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane (Freon 12)	ND	10	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06366 - EPA 5030 Soil MS										
Blank (CU06366-BLK1)				Prepared & Analyzed: 09/03/11						
1,2-Dichloropropane	ND	5.0	µg/kg							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
2-Hexanone	ND	50	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
4-Methyl-2-pentanone	ND	50	"							
Methyl tert-butyl ether	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0090
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06366 - EPA 5030 Soil MS										
Blank (CU06366-BLK1)				Prepared & Analyzed: 09/03/11						
1,2,4-Trimethylbenzene	ND	5.0	µg/kg							
Vinyl chloride	ND	10	"							
Xylenes (total)	ND	10	"							
Surrogate: 1,2-Dichloroethane-d4	*32.4*		*"*	*30.0*		*108*	*50-125*			
Surrogate: Toluene-d8	*28.1*		*"*	*30.0*		*94*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*31.9*		*"*	*30.0*		*106*	*50-128*			
LCS (CU06366-BS1)				Prepared: 09/03/11 Analyzed: 09/06/11						
Benzene	20.7	5.0	µg/kg	20.0		103	64-135			
Chlorobenzene	19.0	5.0	"	20.0		95	67-133			
1,1-Dichloroethene	22.7	5.0	"	20.0		114	53-137			
Toluene	18.9	5.0	"	20.0		94	61-138			
Trichloroethene	18.9	5.0	"	20.0		94	64-130			
Surrogate: 1,2-Dichloroethane-d4	*32.3*		*"*	*30.0*		*108*	*50-125*			
Surrogate: Toluene-d8	*35.6*		*"*	*30.0*		*119*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*31.5*		*"*	*30.0*		*105*	*50-128*			
LCS Dup (CU06366-BSD1)				Prepared & Analyzed: 09/03/11						
Benzene	26.4	5.0	µg/kg	20.0		132	64-135	24	30	
Chlorobenzene	21.2	5.0	"	20.0		106	67-133	11	30	
1,1-Dichloroethene	24.0	5.0	"	20.0		120	53-137	5	30	
Toluene	23.9	5.0	"	20.0		119	61-138	23	30	
Trichloroethene	24.7	5.0	"	20.0		124	64-130	27	30	
Surrogate: 1,2-Dichloroethane-d4	*30.0*		*"*	*30.0*		*100*	*50-125*			
Surrogate: Toluene-d8	*39.8*		*"*	*30.0*		*133*	*62-125*			*QS-HI*
Surrogate: 4-Bromofluorobenzene	*35.9*		*"*	*30.0*		*120*	*50-128*			
Matrix Spike (CU06366-MS1)		**Source: CUI0090-05**		Prepared & Analyzed: 09/03/11						
Benzene	18.7	5.0	µg/kg	20.0	ND	94	58-139			
Chlorobenzene	14.5	5.0	"	20.0	ND	73	62-134			
1,1-Dichloroethene	17.8	5.0	"	20.0	ND	89	53-152			
Toluene	17.1	5.0	"	20.0	ND	86	58-139			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06366 - EPA 5030 Soil MS										
Matrix Spike (CU06366-MS1)		**Source: CUI0090-05**		Prepared & Analyzed: 09/03/11						
Trichloroethene	17.6	5.0	µg/kg	20.0	ND	88	55-138			
Surrogate: 1,2-Dichloroethane-d4	*29.4*		*"*	*30.0*		*98*	*50-125*			
Surrogate: Toluene-d8	*32.2*		*"*	*30.0*		*107*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*32.9*		*"*	*30.0*		*110*	*50-128*			
Matrix Spike Dup (CU06366-MSD1)		**Source: CUI0090-05**		Prepared & Analyzed: 09/03/11						
Benzene	20.9	5.0	µg/kg	20.0	ND	105	58-139	11	30	
Chlorobenzene	15.6	5.0	"	20.0	ND	78	62-134	7	30	
1,1-Dichloroethene	21.4	5.0	"	20.0	ND	107	53-152	18	30	
Toluene	18.8	5.0	"	20.0	ND	94	58-139	9	30	
Trichloroethene	19.6	5.0	"	20.0	ND	98	55-138	11	30	
Surrogate: 1,2-Dichloroethane-d4	*31.4*		*"*	*30.0*		*105*	*50-125*			
Surrogate: Toluene-d8	*31.6*		*"*	*30.0*		*105*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*34.2*		*"*	*30.0*		*114*	*50-128*			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0090**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Notes and Definitions

TPH-X	Although the sample contains compounds in the retention time range of target parameter, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on the target parameter.
QS-HI	Surrogate recovery was greater than the upper control limit. A reanalysis was not performed since the analytes associated with the surrogate were not detected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

September 13, 2011

CLS Work Order #: CUI0220
COC #:

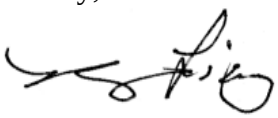
Morgan Johnson
ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project Name: Jordan Ranch

Enclosed are the results of analyses for samples received by the laboratory on 09/07/11 13:05. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

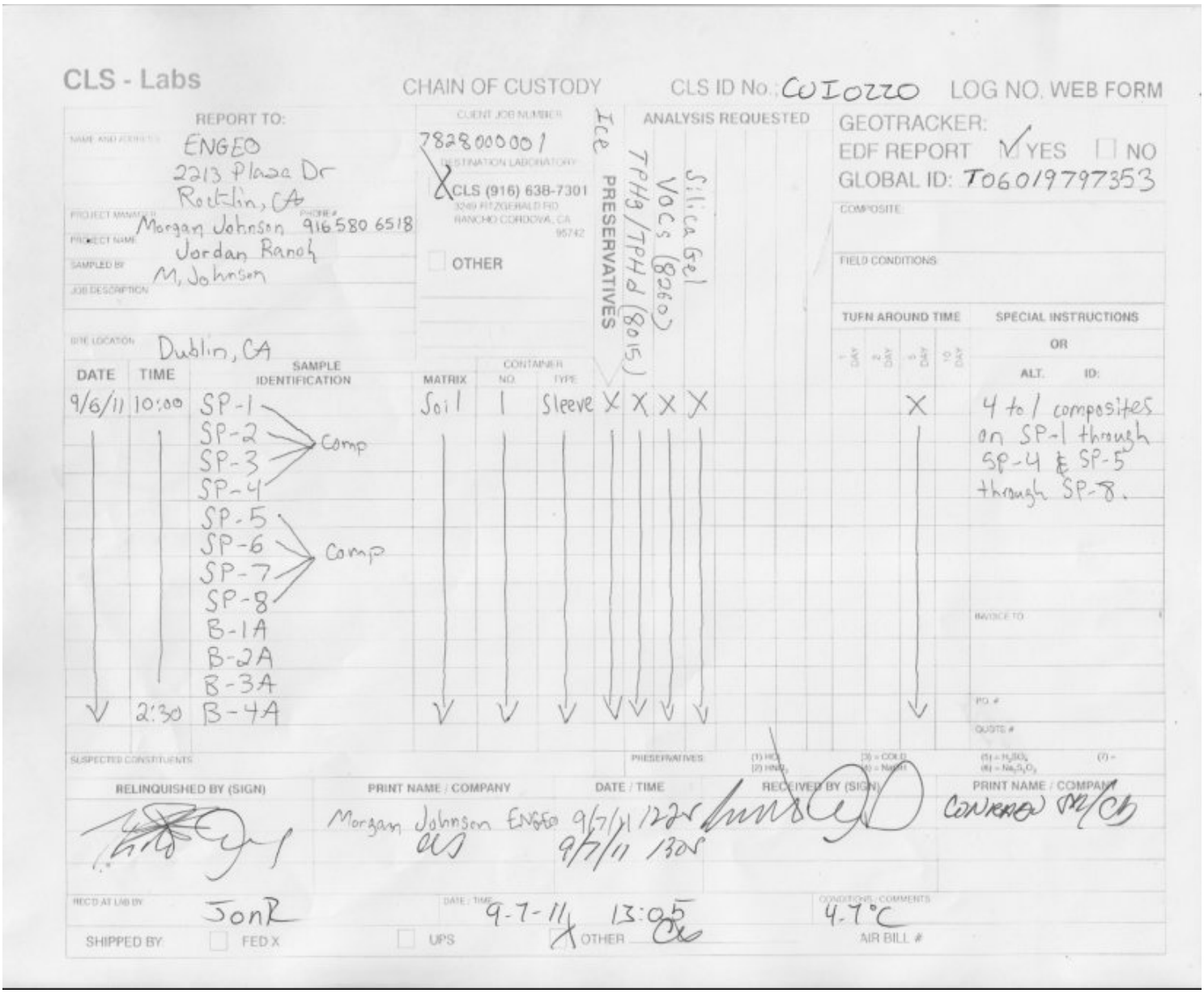


James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:



CLS - Labs

CHAIN OF CUSTODY CLS ID No.: CUI0220 LOG NO. WEB FORM

REPORT TO: ENGEO 2213 Plaza Dr Rocklin, CA

Morgan Johnson 916 580 6518

Jordan Ranch

M. Johnson

Dublin, CA

CLIENT JOB NUMBER: 7828000001

DESTINATION LABORATORY: CLS (916) 638-7301 3249 FITZGERALD RD RANCHO CORDOVA, CA 95742

OTHER

ANALYSIS REQUESTED

PRESERVATIVES: Ice

TPH g/TPH d (8015) VOCs (8260) Silica Gel

GEOTRACKER: EDF REPORT ☑ YES ☐ NO

GLOBAL ID: T0601979735 3

COMPOSITE

FIELD CONDITIONS

TURN AROUND TIME: 1 DAY 2 DAY 3 DAY 10 DAY

SPECIAL INSTRUCTIONS OR ALT. ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE						
9/6/11	10:00	SP-1	Soil	1	Sleeve	X	X	X	X		X
		SP-2									
		SP-3									
		SP-4									
		SP-5									
		SP-6									
		SP-7									
		SP-8									
		B-1A									
		B-2A									
		B-3A									
↓	2:30	B-4A	↓	↓	↓	↓	↓	↓	↓		↓

Comp (SP-1 through SP-4)

Comp (SP-5 through SP-8)

4 to 1 composites on SP-1 through SP-4 & SP-5 through SP-8.

INVOICE TO

P.O. #

QUOTE #

SUSPECTED CONSTITUENTS

PRESERVATIVES: (1) HCl (2) HNO3 (3) = COLD (4) = NaOH (5) = H_2SO_4 (6) = $Na_2S_2O_3$ (7) =

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
	Morgan Johnson ENGEO	9/7/11 1225		CONRAD CLS
	CLS	9/7/11 1305		

RECD AT LAB BY: JonR DATE / TIME: 9-7-11 13:05 CONDITION / COMMENTS: 4.7°C

SHIPPED BY: ☐ FED X ☐ UPS ☒ OTHER AIR BILL #

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 1-4 (CUI0220-05) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**4.9**	1.0	mg/kg	1	CU06449	09/08/11	09/08/11	EPA 8015M	
Surrogate: o-Terphenyl		*87 %*	*65-135*		"	"	"	"	
Composite SP 5-8 (CUI0220-10) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**4.6**	1.0	mg/kg	1	CU06449	09/08/11	09/08/11	EPA 8015M	
Surrogate: o-Terphenyl		*90 %*	*65-135*		"	"	"	"	
B-1A (CUI0220-11) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**790**	10	mg/kg	10	CU06449	09/08/11	09/08/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*116 %*	*65-135*		"	"	"	"	
B-2A (CUI0220-12) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**65**	1.0	mg/kg	1	CU06449	09/08/11	09/08/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*93 %*	*65-135*		"	"	"	"	
B-3A (CUI0220-13) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**47**	1.0	mg/kg	1	CU06449	09/08/11	09/08/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*115 %*	*65-135*		"	"	"	"	
B-4A (CUI0220-14) Soil	**Sampled: 09/06/11 14:30**		**Received: 09/07/11 13:05**						**EXT-3**
Diesel	**110**	1.0	mg/kg	1	CU06449	09/08/11	09/08/11	EPA 8015M	TPH-X
Surrogate: o-Terphenyl		*91 %*	*65-135*		"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

TPH-Gasoline by GC FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 1-4 (CUI0220-05) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Gasoline	ND	0.50	mg/kg	1	CU06411	09/07/11	09/07/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*81 %*	*65-135*		"	"	"	"	
Composite SP 5-8 (CUI0220-10) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Gasoline	ND	0.50	mg/kg	1	CU06411	09/07/11	09/07/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*66 %*	*65-135*		"	"	"	"	
B-1A (CUI0220-11) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Gasoline	**3700**	1000	mg/kg	2000	CU06411	09/07/11	09/08/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*143 %*	*65-135*		"	"	"	"	*QS-4*
B-2A (CUI0220-12) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Gasoline	**1800**	1000	mg/kg	2000	CU06411	09/07/11	09/08/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*116 %*	*65-135*		"	"	"	"	
B-3A (CUI0220-13) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Gasoline	**480**	250	mg/kg	500	CU06411	09/07/11	09/08/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*102 %*	*65-135*		"	"	"	"	
B-4A (CUI0220-14) Soil Sampled: 09/06/11 14:30 Received: 09/07/11 13:05									
Gasoline	**480**	250	mg/kg	500	CU06411	09/07/11	09/08/11	EPA 8015M	
Surrogate: o-Chlorotoluene (Gas)		*103 %*	*65-135*		"	"	"	"	

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 1-4 (CUI0220-05) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Acetone	ND	100	µg/kg	1	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 1-4 (CUI0220-05) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
1,2-Dichloropropane	ND	5.0	µg/kg	1	CU06483	"	09/08/11	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 1-4 (CUI0220-05) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
1,2,4-Trimethylbenzene	ND	5.0	µg/kg	1	CU06483	"	09/08/11	EPA 8260B	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*		*50-125*	"	"	"	"	
Surrogate: Toluene-d8		*87 %*		*62-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*50-128*	"	"	"	"	
Composite SP 5-8 (CUI0220-10) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Acetone	ND	100	µg/kg	1	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 5-8 (CUI0220-10) Soil	**Sampled: 09/06/11 10:00**		**Received: 09/07/11 13:05**						
1,2-Dichlorobenzene	ND	5.0	µg/kg	1	CU06483	"	09/08/11	EPA 8260B	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite SP 5-8 (CUI0220-10) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Toluene	ND	5.0	µg/kg	1	CU06483	"	09/08/11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*50-125*		"	"	"	
Surrogate: Toluene-d8		*86 %*		*62-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*		*50-128*		"	"	"	
B-1A (CUI0220-11) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Acetone	ND	20000	µg/kg	200	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	1000	"	"	"	"	"	"	
Bromobenzene	ND	1000	"	"	"	"	"	"	
Bromochloromethane	ND	1000	"	"	"	"	"	"	
Bromodichloromethane	ND	1000	"	"	"	"	"	"	
Bromoform	ND	1000	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
2-Butanone	ND	20000	"	"	"	"	"	"	
n-Butylbenzene	**10000**	5000	"	1000	"	"	"	"	
sec-Butylbenzene	ND	1000	"	200	"	"	"	"	
tert-Butylbenzene	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1000	"	"	"	"	"	"	
Chlorobenzene	ND	1000	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1A (CUI0220-11) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Chloroethane	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
Chloroform	ND	1000	"	"	"	"	"	"	
Chloromethane	ND	2000	"	"	"	"	"	"	
o-Chlorotoluene	ND	1000	"	"	"	"	"	"	
p-Chlorotoluene	ND	1000	"	"	"	"	"	"	
Dibromochloromethane	ND	1000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1000	"	"	"	"	"	"	
Dibromomethane	ND	1000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**21000**	5000	"	1000	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	"	200	"	"	"	"	
Hexachlorobutadiene	ND	1000	"	"	"	"	"	"	
2-Hexanone	ND	10000	"	"	"	"	"	"	
Isopropylbenzene	**8200**	1000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1000	"	"	"	"	"	"	

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1A (CUI0220-11) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Methylene chloride	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
4-Methyl-2-pentanone	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1000	"	"	"	"	"	"	
Naphthalene	**9400**	5000	"	1000	"	"	"	"	
n-Propylbenzene	**15000**	5000	"	"	"	"	"	"	
Styrene	ND	1000	"	200	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
Tetrachloroethene	ND	1000	"	"	"	"	"	"	
Toluene	**12000**	1000	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1000	"	"	"	"	"	"	
Trichloroethene	ND	1000	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**25000**	10000	"	2000	"	"	"	"	
1,2,4-Trimethylbenzene	**68000**	10000	"	"	"	"	"	"	
Vinyl chloride	ND	2000	"	200	"	"	"	"	
Xylenes (total)	**110000**	10000	"	1000	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*50-125*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*62-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*50-128*		"	"	"	"	

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Project Manager: Morgan Johnson

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2A (CUI0220-12) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Acetone	ND	20000	µg/kg	200	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	1000	"	"	"	"	"	"	
Bromobenzene	ND	1000	"	"	"	"	"	"	
Bromochloromethane	ND	1000	"	"	"	"	"	"	
Bromodichloromethane	ND	1000	"	"	"	"	"	"	
Bromoform	ND	1000	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
2-Butanone	ND	20000	"	"	"	"	"	"	
n-Butylbenzene	**8600**	5000	"	1000	"	"	"	"	
sec-Butylbenzene	ND	1000	"	200	"	"	"	"	
tert-Butylbenzene	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1000	"	"	"	"	"	"	
Chlorobenzene	ND	1000	"	"	"	"	"	"	
Chloroethane	ND	1000	"	"	"	"	"	"	
Chloroform	ND	1000	"	"	"	"	"	"	
Chloromethane	ND	2000	"	"	"	"	"	"	
o-Chlorotoluene	ND	1000	"	"	"	"	"	"	
p-Chlorotoluene	ND	1000	"	"	"	"	"	"	
Dibromochloromethane	ND	1000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1000	"	"	"	"	"	"	
Dibromomethane	ND	1000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2A (CUI0220-12) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
1,2-Dichloropropane	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
1,3-Dichloropropane	ND	1000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**25000**	5000	"	1000	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	"	200	"	"	"	"	
Hexachlorobutadiene	ND	1000	"	"	"	"	"	"	
2-Hexanone	ND	10000	"	"	"	"	"	"	
Isopropylbenzene	**5000**	1000	"	"	"	"	"	"	
p-Isopropyltoluene	**1300**	1000	"	"	"	"	"	"	
Methylene chloride	ND	1000	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1000	"	"	"	"	"	"	
Naphthalene	**13000**	5000	"	1000	"	"	"	"	
n-Propylbenzene	**11000**	5000	"	"	"	"	"	"	
Styrene	ND	1000	"	200	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
Tetrachloroethene	ND	1000	"	"	"	"	"	"	
Toluene	**15000**	5000	"	1000	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1000	"	200	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1000	"	"	"	"	"	"	
Trichloroethene	ND	1000	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**23000**	5000	"	1000	"	"	"	"	

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Project Manager: Morgan Johnson

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2A (CUI0220-12) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
1,2,4-Trimethylbenzene	**33000**	10000	µg/kg	2000	CU06483	"	09/08/11	EPA 8260B	
Vinyl chloride	ND	2000	"	200	"	"	"	"	
Xylenes (total)	**140000**	10000	"	1000	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*50-125*		*"*	"	*"*	*"*	
Surrogate: Toluene-d8		*96 %*	*62-125*		*"*	"	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*50-128*		*"*	"	*"*	*"*	
B-3A (CUI0220-13) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Acetone	ND	20000	µg/kg	200	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	1000	"	"	"	"	"	"	
Bromobenzene	ND	1000	"	"	"	"	"	"	
Bromochloromethane	ND	1000	"	"	"	"	"	"	
Bromodichloromethane	ND	1000	"	"	"	"	"	"	
Bromoform	ND	1000	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
2-Butanone	ND	20000	"	"	"	"	"	"	
n-Butylbenzene	**3100**	1000	"	"	"	"	"	"	
sec-Butylbenzene	ND	1000	"	"	"	"	"	"	
tert-Butylbenzene	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1000	"	"	"	"	"	"	
Chlorobenzene	ND	1000	"	"	"	"	"	"	
Chloroethane	ND	1000	"	"	"	"	"	"	
Chloroform	ND	1000	"	"	"	"	"	"	
Chloromethane	ND	2000	"	"	"	"	"	"	
o-Chlorotoluene	ND	1000	"	"	"	"	"	"	
p-Chlorotoluene	ND	1000	"	"	"	"	"	"	
Dibromochloromethane	ND	1000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1000	"	"	"	"	"	"	
Dibromomethane	ND	1000	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3A (CUI0220-13) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
1,2-Dichlorobenzene	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
1,3-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**9400**	1000	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1000	"	"	"	"	"	"	
2-Hexanone	ND	10000	"	"	"	"	"	"	
Isopropylbenzene	ND	1000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1000	"	"	"	"	"	"	
Methylene chloride	ND	1000	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1000	"	"	"	"	"	"	
Naphthalene	**6800**	1000	"	"	"	"	"	"	
n-Propylbenzene	**4700**	1000	"	"	"	"	"	"	
Styrene	ND	1000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
Tetrachloroethene	ND	1000	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3A (CUI0220-13) Soil Sampled: 09/06/11 10:00 Received: 09/07/11 13:05									
Toluene	**3000**	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1000	"	"	"	"	"	"	
Trichloroethene	ND	1000	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**12000**	5000	"	1000	"	"	"	"	
1,2,4-Trimethylbenzene	**31000**	5000	"	"	"	"	"	"	
Vinyl chloride	ND	2000	"	200	"	"	"	"	
Xylenes (total)	**49000**	10000	"	1000	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*50-125*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*62-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*50-128*		"	"	"	"	
B-4A (CUI0220-14) Soil Sampled: 09/06/11 14:30 Received: 09/07/11 13:05									
Acetone	ND	20000	µg/kg	200	CU06483	09/08/11	09/08/11	EPA 8260B	
Benzene	ND	1000	"	"	"	"	"	"	
Bromobenzene	ND	1000	"	"	"	"	"	"	
Bromochloromethane	ND	1000	"	"	"	"	"	"	
Bromodichloromethane	ND	1000	"	"	"	"	"	"	
Bromoform	ND	1000	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
2-Butanone	ND	20000	"	"	"	"	"	"	
n-Butylbenzene	**3800**	1000	"	"	"	"	"	"	
sec-Butylbenzene	ND	1000	"	"	"	"	"	"	
tert-Butylbenzene	ND	1000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1000	"	"	"	"	"	"	
Chlorobenzene	ND	1000	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4A (CUI0220-14) Soil Sampled: 09/06/11 14:30 Received: 09/07/11 13:05									
Chloroethane	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
Chloroform	ND	1000	"	"	"	"	"	"	
Chloromethane	ND	2000	"	"	"	"	"	"	
o-Chlorotoluene	ND	1000	"	"	"	"	"	"	
p-Chlorotoluene	ND	1000	"	"	"	"	"	"	
Dibromochloromethane	ND	1000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1000	"	"	"	"	"	"	
Dibromomethane	ND	1000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1000	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1000	"	"	"	"	"	"	
Ethylbenzene	**4600**	1000	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1000	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1000	"	"	"	"	"	"	
2-Hexanone	ND	10000	"	"	"	"	"	"	
Isopropylbenzene	ND	1000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1000	"	"	"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4A (CUI0220-14) Soil Sampled: 09/06/11 14:30 Received: 09/07/11 13:05									
Methylene chloride	ND	1000	µg/kg	200	CU06483	"	09/08/11	EPA 8260B	
4-Methyl-2-pentanone	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1000	"	"	"	"	"	"	
Naphthalene	**4100**	1000	"	"	"	"	"	"	
n-Propylbenzene	**4000**	1000	"	"	"	"	"	"	
Styrene	ND	1000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1000	"	"	"	"	"	"	
Tetrachloroethene	ND	1000	"	"	"	"	"	"	
Toluene	**3000**	1000	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1000	"	"	"	"	"	"	
Trichloroethene	ND	1000	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**10000**	5000	"	1000	"	"	"	"	
1,2,4-Trimethylbenzene	**18000**	5000	"	"	"	"	"	"	
Vinyl chloride	ND	2000	"	200	"	"	"	"	
Xylenes (total)	**27000**	10000	"	1000	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*50-125*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*62-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*50-128*		"	"	"	"	

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Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06449 - CA LUFT - orb shaker										
Blank (CU06449-BLK1)				Prepared & Analyzed: 09/08/11						
Diesel	ND	1.0	mg/kg							
Motor Oil	ND	1.0	"							
Hydraulic Oil	ND	1.0	"							
Mineral Oil	ND	1.0	"							
Kerosene	ND	1.0	"							
Surrogate: o-Terphenyl	*0.424*		"	*0.500*		*85*	*65-135*			
LCS (CU06449-BS1)				Prepared & Analyzed: 09/08/11						
Diesel	43.8	1.0	mg/kg	50.0		88	65-135			
Surrogate: o-Terphenyl	*0.523*		"	*0.500*		*105*	*65-135*			
LCS Dup (CU06449-BSD1)				Prepared & Analyzed: 09/08/11						
Diesel	43.5	1.0	mg/kg	50.0		87	65-135	0.7	30	
Surrogate: o-Terphenyl	*0.541*		"	*0.500*		*108*	*65-135*			
Matrix Spike (CU06449-MS1)		**Source: CUI0220-05**		Prepared & Analyzed: 09/08/11						
Diesel	48.1	1.0	mg/kg	50.0	4.91	86	59-138			
Surrogate: o-Terphenyl	*0.586*		"	*0.500*		*117*	*65-135*			
Matrix Spike Dup (CU06449-MSD1)		**Source: CUI0220-05**		Prepared & Analyzed: 09/08/11						
Diesel	47.2	1.0	mg/kg	50.0	4.91	85	59-138	2	37	
Surrogate: o-Terphenyl	*0.584*		"	*0.500*		*117*	*65-135*			

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Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

TPH-Gasoline by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06411 - EPA 5030 Soil GC										
Blank (CU06411-BLK1)				Prepared & Analyzed: 09/07/11						
Gasoline	ND	0.50	mg/kg							
Surrogate: o-Chlorotoluene (Gas)	*0.0153*		*"*	*0.0200*		*76*	*65-135*			
LCS (CU06411-BS1)				Prepared & Analyzed: 09/07/11						
Gasoline	0.954	0.50	mg/kg	1.00		95	65-135			
Surrogate: o-Chlorotoluene (Gas)	*0.0169*		*"*	*0.0200*		*84*	*65-135*			
LCS Dup (CU06411-BSD1)				Prepared & Analyzed: 09/07/11						
Gasoline	0.904	0.50	mg/kg	1.00		90	65-135	5	30	
Surrogate: o-Chlorotoluene (Gas)	*0.0177*		*"*	*0.0200*		*89*	*65-135*			
Matrix Spike (CU06411-MS1)		**Source: CUI0176-01**		Prepared & Analyzed: 09/07/11						
Gasoline	0.613	0.50	mg/kg	1.00	ND	61	63-124			QM-7
Surrogate: o-Chlorotoluene (Gas)	*0.0148*		*"*	*0.0200*		*74*	*65-135*			
Matrix Spike Dup (CU06411-MSD1)		**Source: CUI0176-01**		Prepared & Analyzed: 09/07/11						
Gasoline	0.596	0.50	mg/kg	1.00	ND	60	63-124	3	35	QM-7
Surrogate: o-Chlorotoluene (Gas)	*0.0157*		*"*	*0.0200*		*78*	*65-135*			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06483 - EPA 5030 Soil MS										
Blank (CU06483-BLK1)				Prepared & Analyzed: 09/08/11						
Acetone	ND	100	µg/kg							
Benzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	10	"							
2-Butanone	ND	100	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	10	"							
o-Chlorotoluene	ND	5.0	"							
p-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane (Freon 12)	ND	10	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06483 - EPA 5030 Soil MS										
Blank (CU06483-BLK1)				Prepared & Analyzed: 09/08/11						
1,2-Dichloropropane	ND	5.0	µg/kg							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
2-Hexanone	ND	50	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
4-Methyl-2-pentanone	ND	50	"							
Methyl tert-butyl ether	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							

ENGEO
2213 Plaza Drive
Rocklin, CA 95765

Project: Jordan Ranch
Project Number: 7828.000.001
Project Manager: Morgan Johnson

CLS Work Order #: CUI0220
COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06483 - EPA 5030 Soil MS										
Blank (CU06483-BLK1)				Prepared & Analyzed: 09/08/11						
1,2,4-Trimethylbenzene	ND	5.0	µg/kg							
Vinyl chloride	ND	10	"							
Xylenes (total)	ND	10	"							
Surrogate: 1,2-Dichloroethane-d4	*33.5*		*"*	*30.0*		*112*	*50-125*			
Surrogate: Toluene-d8	*26.1*		*"*	*30.0*		*87*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*27.4*		*"*	*30.0*		*91*	*50-128*			
LCS (CU06483-BS1)				Prepared & Analyzed: 09/08/11						
Benzene	18.6	5.0	µg/kg	20.0		93	64-135			
Chlorobenzene	21.1	5.0	"	20.0		105	67-133			
1,1-Dichloroethene	21.1	5.0	"	20.0		106	53-137			
Toluene	19.6	5.0	"	20.0		98	61-138			
Trichloroethene	19.0	5.0	"	20.0		95	64-130			
Surrogate: 1,2-Dichloroethane-d4	*34.0*		*"*	*30.0*		*113*	*50-125*			
Surrogate: Toluene-d8	*31.3*		*"*	*30.0*		*104*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*"*	*30.0*		*95*	*50-128*			
LCS Dup (CU06483-BSD1)				Prepared & Analyzed: 09/08/11						
Benzene	18.8	5.0	µg/kg	20.0		94	64-135	1	30	
Chlorobenzene	20.8	5.0	"	20.0		104	67-133	1	30	
1,1-Dichloroethene	21.3	5.0	"	20.0		107	53-137	0.9	30	
Toluene	20.3	5.0	"	20.0		102	61-138	4	30	
Trichloroethene	19.4	5.0	"	20.0		97	64-130	2	30	
Surrogate: 1,2-Dichloroethane-d4	*31.4*		*"*	*30.0*		*105*	*50-125*			
Surrogate: Toluene-d8	*30.9*		*"*	*30.0*		*103*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*"*	*30.0*		*96*	*50-128*			
Matrix Spike (CU06483-MS1)	**Source: CUI0220-05**			Prepared & Analyzed: 09/08/11						
Benzene	15.1	5.0	µg/kg	20.0	ND	75	58-139			
Chlorobenzene	17.3	5.0	"	20.0	ND	86	62-134			
1,1-Dichloroethene	18.9	5.0	"	20.0	ND	94	53-152			
Toluene	15.6	5.0	"	20.0	ND	78	58-139			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CU06483 - EPA 5030 Soil MS										
Matrix Spike (CU06483-MS1)		**Source: CUI0220-05**		Prepared & Analyzed: 09/08/11						
Trichloroethene	14.6	5.0	µg/kg	20.0	ND	73	55-138			
Surrogate: 1,2-Dichloroethane-d4	*34.6*		"	*30.0*		*115*	*50-125*			
Surrogate: Toluene-d8	*30.2*		"	*30.0*		*101*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*30.2*		"	*30.0*		*101*	*50-128*			
Matrix Spike Dup (CU06483-MSD1)		**Source: CUI0220-05**		Prepared & Analyzed: 09/08/11						
Benzene	16.7	5.0	µg/kg	20.0	ND	84	58-139	10	30	
Chlorobenzene	17.5	5.0	"	20.0	ND	88	62-134	1	30	
1,1-Dichloroethene	19.2	5.0	"	20.0	ND	96	53-152	2	30	
Toluene	17.2	5.0	"	20.0	ND	86	58-139	10	30	
Trichloroethene	18.4	5.0	"	20.0	ND	92	55-138	23	30	
Surrogate: 1,2-Dichloroethane-d4	*31.9*		"	*30.0*		*106*	*50-125*			
Surrogate: Toluene-d8	*30.8*		"	*30.0*		*103*	*62-125*			
Surrogate: 4-Bromofluorobenzene	*29.1*		"	*30.0*		*97*	*50-128*			

ENGEO	Project: Jordan Ranch	
2213 Plaza Drive	Project Number: 7828.000.001	**CLS Work Order #: CUI0220**
Rocklin, CA 95765	Project Manager: Morgan Johnson	COC #:

Notes and Definitions

TPH-X	Although the sample contains compounds in the retention time range of target parameter, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on the target parameter.
QS-4	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
EXT-3	The sample extract has undergone silica-gel clean-up, EPA Method 3630, which is specific to polar compound contamination.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-38929-1
Client Project/Site: Jordan Ranch

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

Attn: Ms. Morgan Johnson

Surinder Sidhu

Authorized for release by:
12/7/2011 12:47:44 PM

Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 720-38929-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

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

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

TestAmerica Job ID: 720-38929-1

Job ID: 720-38929-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-38929-1

Comments
No additional comments.

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

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 103643 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following samples: (720-38935-2 MS), (720-38935-2 MSD), SS1@ 13" (720-38935-2). The result was confirmed by MS/MSD.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 103787 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: DS #2 (720-38929-2), DS #3 (720-38929-3).

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: DS #12 (720-38929-12).

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 103945 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other 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: 720-38929-1

Client Sample ID: DS #1 — Lab Sample ID: 720-38929-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	32		3.0		mg/Kg	3		8015B	Silica Gel Clean

Client Sample ID: DS #2 — Lab Sample ID: 720-38929-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	170		9.9		mg/Kg	10		8015B	Silica Gel Clean

Client Sample ID: DS #3 — Lab Sample ID: 720-38929-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	92		5.0		mg/Kg	5		8015B	Silica Gel Clean

Client Sample ID: DS #4 — Lab Sample ID: 720-38929-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.1		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #5 — Lab Sample ID: 720-38929-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.9		0.98		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #6 — Lab Sample ID: 720-38929-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.6		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #7 — Lab Sample ID: 720-38929-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	92		9.9		mg/Kg	10		8015B	Silica Gel Clean

Client Sample ID: DS #8 — Lab Sample ID: 720-38929-8

No Detections

Client Sample ID: DS #9 — Lab Sample ID: 720-38929-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	12		9.6		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	1600		240		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	13		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #10 — Lab Sample ID: 720-38929-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.4		1.0		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #11 — Lab Sample ID: 720-38929-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	220		22		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	41		3.0		mg/Kg	3		8015B	Silica Gel Clean

Detection Summary

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

TestAmerica Job ID: 720-38929-1

Client Sample ID: DS #12 — Lab Sample ID: 720-38929-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	300		12		mg/Kg	5		8015B	Silica Gel Clean

Client Sample ID: DS #13 — Lab Sample ID: 720-38929-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	400		240		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	14		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #14 — Lab Sample ID: 720-38929-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.1		1.0		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #15 — Lab Sample ID: 720-38929-15

No Detections

Client Sample ID: DS #16 — Lab Sample ID: 720-38929-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.8		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #17 — Lab Sample ID: 720-38929-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.7		0.99		mg/Kg	1		8015B	Silica Gel Clean

Client Sample ID: DS #18 — Lab Sample ID: 720-38929-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.5		1.0		mg/Kg	1		8015B	Silica Gel Clean

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

Client Sample ID: DS #1
Date Collected: 11/29/11 09:40
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 03:17	1
Benzene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 03:17	1
Ethylbenzene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 03:17	1
Toluene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 03:17	1
Xylenes, Total	ND		9.4		ug/Kg		11/29/11 19:00	11/30/11 03:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/29/11 19:00	11/30/11 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*45 - 131*	*11/29/11 19:00*	*11/30/11 03:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*	*11/29/11 19:00*	*11/30/11 03:17*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*11/29/11 19:00*	*11/30/11 03:17*	*1*

Client Sample ID: DS #2
Date Collected: 11/29/11 09:52
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/29/11 19:00	11/30/11 05:38	1
Benzene	ND		5.0		ug/Kg		11/29/11 19:00	11/30/11 05:38	1
Ethylbenzene	ND		5.0		ug/Kg		11/29/11 19:00	11/30/11 05:38	1
Toluene	ND		5.0		ug/Kg		11/29/11 19:00	11/30/11 05:38	1
Xylenes, Total	ND		10		ug/Kg		11/29/11 19:00	11/30/11 05:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/29/11 19:00	11/30/11 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*45 - 131*	*11/29/11 19:00*	*11/30/11 05:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*11/29/11 19:00*	*11/30/11 05:38*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*11/29/11 19:00*	*11/30/11 05:38*	*1*

Client Sample ID: DS #3
Date Collected: 11/29/11 09:55
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		11/29/11 19:00	11/30/11 06:06	1
Benzene	ND		4.8		ug/Kg		11/29/11 19:00	11/30/11 06:06	1
Ethylbenzene	ND		4.8		ug/Kg		11/29/11 19:00	11/30/11 06:06	1
Toluene	ND		4.8		ug/Kg		11/29/11 19:00	11/30/11 06:06	1
Xylenes, Total	ND		9.6		ug/Kg		11/29/11 19:00	11/30/11 06:06	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/29/11 19:00	11/30/11 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*	*11/29/11 19:00*	*11/30/11 06:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*	*11/29/11 19:00*	*11/30/11 06:06*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*	*11/29/11 19:00*	*11/30/11 06:06*	*1*

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

Client Sample ID: DS #4
Date Collected: 11/29/11 10:00
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		11/30/11 19:00	11/30/11 23:47	1
Benzene	ND		4.7		ug/Kg		11/30/11 19:00	11/30/11 23:47	1
Ethylbenzene	ND		4.7		ug/Kg		11/30/11 19:00	11/30/11 23:47	1
Toluene	ND		4.7		ug/Kg		11/30/11 19:00	11/30/11 23:47	1
Xylenes, Total	ND		9.4		ug/Kg		11/30/11 19:00	11/30/11 23:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/30/11 19:00	11/30/11 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*45 - 131*	*11/30/11 19:00*	*11/30/11 23:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*	*11/30/11 19:00*	*11/30/11 23:47*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*	*11/30/11 19:00*	*11/30/11 23:47*	*1*

Client Sample ID: DS #5
Date Collected: 11/29/11 10:03
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 01:12	1
Benzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 01:12	1
Ethylbenzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 01:12	1
Toluene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 01:12	1
Xylenes, Total	ND		9.6		ug/Kg		11/30/11 19:00	12/01/11 01:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/30/11 19:00	12/01/11 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*45 - 131*	*11/30/11 19:00*	*12/01/11 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*60 - 140*	*11/30/11 19:00*	*12/01/11 01:12*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*11/30/11 19:00*	*12/01/11 01:12*	*1*

Client Sample ID: DS #6
Date Collected: 11/29/11 10:08
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 01:40	1
Benzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 01:40	1
Ethylbenzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 01:40	1
Toluene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 01:40	1
Xylenes, Total	ND		9.1		ug/Kg		11/30/11 19:00	12/01/11 01:40	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/30/11 19:00	12/01/11 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*45 - 131*	*11/30/11 19:00*	*12/01/11 01:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*	*11/30/11 19:00*	*12/01/11 01:40*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*11/30/11 19:00*	*12/01/11 01:40*	*1*

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

Client Sample ID: DS #7
Date Collected: 11/29/11 10:20
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 06:34	1
Benzene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 06:34	1
Ethylbenzene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 06:34	1
Toluene	ND		4.7		ug/Kg		11/29/11 19:00	11/30/11 06:34	1
Xylenes, Total	ND		9.5		ug/Kg		11/29/11 19:00	11/30/11 06:34	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/29/11 19:00	11/30/11 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*45 - 131*	*11/29/11 19:00*	*11/30/11 06:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*60 - 140*	*11/29/11 19:00*	*11/30/11 06:34*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/29/11 19:00*	*11/30/11 06:34*	*1*

Client Sample ID: DS #8
Date Collected: 11/29/11 10:25
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 02:08	1
Benzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 02:08	1
Ethylbenzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 02:08	1
Toluene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 02:08	1
Xylenes, Total	ND		9.3		ug/Kg		11/30/11 19:00	12/01/11 02:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/30/11 19:00	12/01/11 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*45 - 131*	*11/30/11 19:00*	*12/01/11 02:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*60 - 140*	*11/30/11 19:00*	*12/01/11 02:08*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*	*11/30/11 19:00*	*12/01/11 02:08*	*1*

Client Sample ID: DS #9
Date Collected: 11/29/11 13:30
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 02:37	1
Benzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 02:37	1
Ethylbenzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 02:37	1
Toluene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 02:37	1
Xylenes, Total	**12**		9.6		ug/Kg		11/30/11 19:00	12/01/11 02:37	1
Gasoline Range Organics (GRO) -C5-C12	**1600**		240		ug/Kg		11/30/11 19:00	12/01/11 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*45 - 131*	*11/30/11 19:00*	*12/01/11 02:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*60 - 140*	*11/30/11 19:00*	*12/01/11 02:37*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*	*11/30/11 19:00*	*12/01/11 02:37*	*1*

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

Client Sample ID: DS #10
Date Collected: 11/29/11 10:38
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 03:05	1
Benzene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 03:05	1
Ethylbenzene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 03:05	1
Toluene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 03:05	1
Xylenes, Total	ND		9.4		ug/Kg		11/30/11 19:00	12/01/11 03:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/30/11 19:00	12/01/11 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*	*11/30/11 19:00*	*12/01/11 03:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*	*11/30/11 19:00*	*12/01/11 03:05*	*1*
Toluene-d8 (Surr)	*101*		*58 - 140*	*11/30/11 19:00*	*12/01/11 03:05*	*1*

Client Sample ID: DS #11
Date Collected: 11/29/11 11:10
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 03:33	1
Benzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 03:33	1
Ethylbenzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 03:33	1
Toluene	**220**		22		ug/Kg		12/01/11 18:26	12/02/11 03:11	1
Xylenes, Total	ND		9.8		ug/Kg		11/30/11 19:00	12/01/11 03:33	1
Gasoline Range Organics (GRO) -C5-C12	ND		1100		ug/Kg		12/01/11 18:26	12/02/11 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*45 - 131*	*11/30/11 19:00*	*12/01/11 03:33*	*1*
4-Bromofluorobenzene	*86*		*45 - 131*	*12/01/11 18:26*	*12/02/11 03:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*11/30/11 19:00*	*12/01/11 03:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*	*12/01/11 18:26*	*12/02/11 03:11*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/30/11 19:00*	*12/01/11 03:33*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*	*12/01/11 18:26*	*12/02/11 03:11*	*1*

Client Sample ID: DS #12
Date Collected: 11/29/11 12:31
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:01	1
Benzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:01	1
Ethylbenzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:01	1
Toluene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:01	1
Xylenes, Total	ND		9.7		ug/Kg		11/30/11 19:00	12/01/11 04:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/30/11 19:00	12/01/11 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*45 - 131*	*11/30/11 19:00*	*12/01/11 04:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*		*60 - 140*	*11/30/11 19:00*	*12/01/11 04:01*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*	*11/30/11 19:00*	*12/01/11 04:01*	*1*

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

Client Sample ID: DS #13
Date Collected: 11/29/11 10:49
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:30	1
Benzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:30	1
Ethylbenzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:30	1
Toluene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 04:30	1
Xylenes, Total	ND		9.7		ug/Kg		11/30/11 19:00	12/01/11 04:30	1
Gasoline Range Organics (GRO) -C5-C12	**400**		240		ug/Kg		11/30/11 19:00	12/01/11 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*123*		*45 - 131*	*11/30/11 19:00*	*12/01/11 04:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*135*		*60 - 140*	*11/30/11 19:00*	*12/01/11 04:30*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/30/11 19:00*	*12/01/11 04:30*	*1*

Client Sample ID: DS #14
Date Collected: 11/29/11 13:04
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 04:58	1
Benzene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 04:58	1
Ethylbenzene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 04:58	1
Toluene	ND		4.7		ug/Kg		11/30/11 19:00	12/01/11 04:58	1
Xylenes, Total	ND		9.5		ug/Kg		11/30/11 19:00	12/01/11 04:58	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/30/11 19:00	12/01/11 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*		*45 - 131*	*11/30/11 19:00*	*12/01/11 04:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*11/30/11 19:00*	*12/01/11 04:58*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*11/30/11 19:00*	*12/01/11 04:58*	*1*

Client Sample ID: DS #15
Date Collected: 11/29/11 11:52
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 05:26	1
Benzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 05:26	1
Ethylbenzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 05:26	1
Toluene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 05:26	1
Xylenes, Total	ND		9.2		ug/Kg		11/30/11 19:00	12/01/11 05:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/30/11 19:00	12/01/11 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*45 - 131*	*11/30/11 19:00*	*12/01/11 05:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*11/30/11 19:00*	*12/01/11 05:26*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*11/30/11 19:00*	*12/01/11 05:26*	*1*

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

Client Sample ID: DS #16
Date Collected: 11/29/11 10:54
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 05:54	1
Benzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 05:54	1
Ethylbenzene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 05:54	1
Toluene	ND		4.9		ug/Kg		11/30/11 19:00	12/01/11 05:54	1
Xylenes, Total	ND		9.9		ug/Kg		11/30/11 19:00	12/01/11 05:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/30/11 19:00	12/01/11 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*45 - 131*	*11/30/11 19:00*	*12/01/11 05:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*60 - 140*	*11/30/11 19:00*	*12/01/11 05:54*	*1*
Toluene-d8 (Surr)	*88*		*58 - 140*	*11/30/11 19:00*	*12/01/11 05:54*	*1*

Client Sample ID: DS #17
Date Collected: 11/29/11 13:10
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 06:23	1
Benzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 06:23	1
Ethylbenzene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 06:23	1
Toluene	ND		4.6		ug/Kg		11/30/11 19:00	12/01/11 06:23	1
Xylenes, Total	ND		9.2		ug/Kg		11/30/11 19:00	12/01/11 06:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/30/11 19:00	12/01/11 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*45 - 131*	*11/30/11 19:00*	*12/01/11 06:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*60 - 140*	*11/30/11 19:00*	*12/01/11 06:23*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/30/11 19:00*	*12/01/11 06:23*	*1*

Client Sample ID: DS #18
Date Collected: 11/29/11 13:13
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 06:51	1
Benzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 06:51	1
Ethylbenzene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 06:51	1
Toluene	ND		4.8		ug/Kg		11/30/11 19:00	12/01/11 06:51	1
Xylenes, Total	ND		9.7		ug/Kg		11/30/11 19:00	12/01/11 06:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/30/11 19:00	12/01/11 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*11/30/11 19:00*	*12/01/11 06:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*60 - 140*	*11/30/11 19:00*	*12/01/11 06:51*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*11/30/11 19:00*	*12/01/11 06:51*	*1*

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

Client Sample ID: DS #1
Date Collected: 11/29/11 09:40
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	32		3.0		mg/Kg		12/01/11 12:10	12/06/11 09:46	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.04*		*0 - 1*	*12/01/11 12:10*	*12/06/11 09:46*	*3*
p-Terphenyl	*66*		*38 - 148*	*12/01/11 12:10*	*12/06/11 09:46*	*3*

Client Sample ID: DS #2
Date Collected: 11/29/11 09:52
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170		9.9		mg/Kg		12/01/11 12:10	12/06/11 10:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:09*	*10*
p-Terphenyl	*0*	*X D*	*38 - 148*	*12/01/11 12:10*	*12/06/11 10:09*	*10*

Client Sample ID: DS #3
Date Collected: 11/29/11 09:55
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	92		5.0		mg/Kg		12/01/11 12:10	12/06/11 10:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:32*	*5*
p-Terphenyl	*0*	*X D*	*38 - 148*	*12/01/11 12:10*	*12/06/11 10:32*	*5*

Client Sample ID: DS #4
Date Collected: 11/29/11 10:00
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.1		0.99		mg/Kg		12/01/11 12:10	12/06/11 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*12/01/11 12:10*	*12/06/11 09:46*	*1*
p-Terphenyl	*99*		*38 - 148*	*12/01/11 12:10*	*12/06/11 09:46*	*1*

Client Sample ID: DS #5
Date Collected: 11/29/11 10:03
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.9		0.98		mg/Kg		12/01/11 12:10	12/06/11 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:09*	*1*
p-Terphenyl	*109*		*38 - 148*	*12/01/11 12:10*	*12/06/11 10:09*	*1*

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

TestAmerica Job ID: 720-38929-1

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

Client Sample ID: DS #6
Date Collected: 11/29/11 10:08
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.6		0.99		mg/Kg		12/01/11 12:10	12/06/11 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:32*	*1*
p-Terphenyl	*118*		*38 - 148*	*12/01/11 12:10*	*12/06/11 10:32*	*1*

Client Sample ID: DS #7
Date Collected: 11/29/11 10:20
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	92		9.9		mg/Kg		12/01/11 12:10	12/06/11 10:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.8*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:56*	*10*
p-Terphenyl	*76*		*38 - 148*	*12/01/11 12:10*	*12/06/11 10:56*	*10*

Client Sample ID: DS #8
Date Collected: 11/29/11 10:25
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		12/01/11 12:10	12/06/11 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*12/01/11 12:10*	*12/06/11 10:56*	*1*
p-Terphenyl	*91*		*38 - 148*	*12/01/11 12:10*	*12/06/11 10:56*	*1*

Client Sample ID: DS #9
Date Collected: 11/29/11 13:30
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	13		0.99		mg/Kg		12/01/11 12:10	12/06/11 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.3*		*0 - 1*	*12/01/11 12:10*	*12/06/11 11:19*	*1*
p-Terphenyl	*99*		*38 - 148*	*12/01/11 12:10*	*12/06/11 11:19*	*1*

Client Sample ID: DS #10
Date Collected: 11/29/11 10:38
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.4		1.0		mg/Kg		12/01/11 12:10	12/06/11 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*12/01/11 12:10*	*12/06/11 11:42*	*1*
p-Terphenyl	*97*		*38 - 148*	*12/01/11 12:10*	*12/06/11 11:42*	*1*

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

Client Sample ID: DS #11
Date Collected: 11/29/11 11:10
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	41		3.0		mg/Kg		12/01/11 12:10	12/06/11 11:19	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.1*		*0 - 1*	*12/01/11 12:10*	*12/06/11 11:19*	*3*
p-Terphenyl	*65*		*38 - 148*	*12/01/11 12:10*	*12/06/11 11:19*	*3*

Client Sample ID: DS #12
Date Collected: 11/29/11 12:31
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	300		12		mg/Kg		12/05/11 16:23	12/07/11 02:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*12/05/11 16:23*	*12/07/11 02:09*	*5*
p-Terphenyl	*0*	*X D*	*38 - 148*	*12/05/11 16:23*	*12/07/11 02:09*	*5*

Client Sample ID: DS #13
Date Collected: 11/29/11 10:49
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	14		0.99		mg/Kg		12/05/11 16:23	12/07/11 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 1*	*12/05/11 16:23*	*12/07/11 02:32*	*1*
p-Terphenyl	*86*		*38 - 148*	*12/05/11 16:23*	*12/07/11 02:32*	*1*

Client Sample ID: DS #14
Date Collected: 11/29/11 13:04
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.1		1.0		mg/Kg		12/05/11 16:23	12/07/11 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*12/05/11 16:23*	*12/07/11 00:59*	*1*
p-Terphenyl	*93*		*38 - 148*	*12/05/11 16:23*	*12/07/11 00:59*	*1*

Client Sample ID: DS #15
Date Collected: 11/29/11 11:52
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg		12/05/11 16:23	12/07/11 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.3*		*0 - 1*	*12/05/11 16:23*	*12/07/11 01:22*	*1*
p-Terphenyl	*92*		*38 - 148*	*12/05/11 16:23*	*12/07/11 01:22*	*1*

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

TestAmerica Job ID: 720-38929-1

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

Client Sample ID: DS #16
Date Collected: 11/29/11 10:54
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.8		0.99		mg/Kg		12/05/11 16:23	12/07/11 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 1*	*12/05/11 16:23*	*12/07/11 01:46*	*1*
p-Terphenyl	*110*		*38 - 148*	*12/05/11 16:23*	*12/07/11 01:46*	*1*

Client Sample ID: DS #17
Date Collected: 11/29/11 13:10
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-17
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.7		0.99		mg/Kg		12/05/11 16:23	12/07/11 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*12/05/11 16:23*	*12/07/11 02:09*	*1*
p-Terphenyl	*91*		*38 - 148*	*12/05/11 16:23*	*12/07/11 02:09*	*1*

Client Sample ID: DS #18
Date Collected: 11/29/11 13:13
Date Received: 11/29/11 14:14

Lab Sample ID: 720-38929-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.5		1.0		mg/Kg		12/05/11 16:23	12/07/11 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 1*	*12/05/11 16:23*	*12/07/11 02:32*	*1*
p-Terphenyl	*88*		*38 - 148*	*12/05/11 16:23*	*12/07/11 02:32*	*1*

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

Lab Sample ID: MB 720-103653/1-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103653

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/29/11 19:00	11/29/11 20:12	1
Benzene	ND		5.0		ug/Kg		11/29/11 19:00	11/29/11 20:12	1
Ethylbenzene	ND		5.0		ug/Kg		11/29/11 19:00	11/29/11 20:12	1
Toluene	ND		5.0		ug/Kg		11/29/11 19:00	11/29/11 20:12	1
Xylenes, Total	ND		10		ug/Kg		11/29/11 19:00	11/29/11 20:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/29/11 19:00	11/29/11 20:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*45 - 131*	*11/29/11 19:00*	*11/29/11 20:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*	*11/29/11 19:00*	*11/29/11 20:12*	*1*
Toluene-d8 (Surr)	*105*		*58 - 140*	*11/29/11 19:00*	*11/29/11 20:12*	*1*

Lab Sample ID: LCS 720-103653/2-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103653

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	56.4		ug/Kg		113	70 - 144
Benzene	50.0	52.4		ug/Kg		105	70 - 130
Ethylbenzene	50.0	54.2		ug/Kg		108	80 - 137
Toluene	50.0	53.8		ug/Kg		108	80 - 128
m-Xylene & p-Xylene	100	110		ug/Kg		110	70 - 146
o-Xylene	50.0	54.2		ug/Kg		108	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*
Toluene-d8 (Surr)	*107*		*58 - 140*

Lab Sample ID: LCS 720-103653/4-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103653

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1110		ug/Kg		111	61 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCSD 720-103653/3-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103653

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	58.2		ug/Kg		116	70 - 144	3	20

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

Lab Sample ID: LCSD 720-103653/3-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	52.8		ug/Kg		106	70 - 130	1	20
Ethylbenzene			50.0	53.8		ug/Kg		108	80 - 137	1	20
Toluene			50.0	53.6		ug/Kg		107	80 - 128	0	20
m-Xylene & p-Xylene			100	109		ug/Kg		109	70 - 146	1	20
o-Xylene			50.0	53.4		ug/Kg		107	70 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*
Toluene-d8 (Surr)	*105*		*58 - 140*

Lab Sample ID: LCSD 720-103653/5-A
Matrix: Solid
Analysis Batch: 103643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1120		ug/Kg		112	61 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*112*		*60 - 140*
Toluene-d8 (Surr)	*105*		*58 - 140*

Lab Sample ID: MB 720-103734/1-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/30/11 19:00	11/30/11 21:24	1
Benzene	ND		5.0		ug/Kg		11/30/11 19:00	11/30/11 21:24	1
Ethylbenzene	ND		5.0		ug/Kg		11/30/11 19:00	11/30/11 21:24	1
Toluene	ND		5.0		ug/Kg		11/30/11 19:00	11/30/11 21:24	1
Xylenes, Total	ND		10		ug/Kg		11/30/11 19:00	11/30/11 21:24	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/30/11 19:00	11/30/11 21:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*45 - 131*	*11/30/11 19:00*	*11/30/11 21:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*	*11/30/11 19:00*	*11/30/11 21:24*	*1*
Toluene-d8 (Surr)	*101*		*58 - 140*	*11/30/11 19:00*	*11/30/11 21:24*	*1*

Lab Sample ID: LCS 720-103734/2-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			50.0	58.8		ug/Kg		118	70 - 144		
Benzene			50.0	54.0		ug/Kg		108	70 - 130		

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

Lab Sample ID: LCS 720-103734/2-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene			50.0	58.4		ug/Kg		117	80 - 137		
Toluene			50.0	57.0		ug/Kg		114	80 - 128		
m-Xylene & p-Xylene			100	121		ug/Kg		121	70 - 146		
o-Xylene			50.0	60.4		ug/Kg		121	70 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: LCS 720-103734/4-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	1130		ug/Kg		113	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCSD 720-103734/3-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			50.0	59.2		ug/Kg		118	70 - 144	1	20
Benzene			50.0	53.0		ug/Kg		106	70 - 130	2	20
Ethylbenzene			50.0	56.2		ug/Kg		112	80 - 137	4	20
Toluene			50.0	55.0		ug/Kg		110	80 - 128	4	20
m-Xylene & p-Xylene			100	116		ug/Kg		116	70 - 146	4	20
o-Xylene			50.0	58.0		ug/Kg		116	70 - 140	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: LCSD 720-103734/5-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103734

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1100		ug/Kg		110	61 - 128	2	20

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

Lab Sample ID: LCSD 720-103734/5-A
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103734

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: 720-38929-4 MS
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: DS #4
Prep Type: Total/NA
Prep Batch: 103734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		48.8	55.9		ug/Kg		114	69 - 130
Benzene	ND		48.8	50.8		ug/Kg		104	70 - 130
Ethylbenzene	ND		48.8	50.4		ug/Kg		103	65 - 130
Toluene	ND		48.8	51.6		ug/Kg		106	70 - 130
m-Xylene & p-Xylene	ND		97.7	99.0		ug/Kg		101	70 - 130
o-Xylene	ND		48.8	49.6		ug/Kg		102	68 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: 720-38929-4 MSD
Matrix: Solid
Analysis Batch: 103714

Client Sample ID: DS #4
Prep Type: Total/NA
Prep Batch: 103734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		46.6	55.3		ug/Kg		119	69 - 130	1	20
Benzene	ND		46.6	48.6		ug/Kg		104	70 - 130	4	20
Ethylbenzene	ND		46.6	48.4		ug/Kg		104	65 - 130	4	20
Toluene	ND		46.6	49.0		ug/Kg		105	70 - 130	5	20
m-Xylene & p-Xylene	ND		93.1	96.1		ug/Kg		103	70 - 130	3	20
o-Xylene	ND		46.6	48.2		ug/Kg		104	68 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: MB 720-103803/1-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		12/01/11 18:26	12/01/11 19:54	1
Benzene	ND		5.0		ug/Kg		12/01/11 18:26	12/01/11 19:54	1
Ethylbenzene	ND		5.0		ug/Kg		12/01/11 18:26	12/01/11 19:54	1
Toluene	ND		5.0		ug/Kg		12/01/11 18:26	12/01/11 19:54	1
Xylenes, Total	ND		10		ug/Kg		12/01/11 18:26	12/01/11 19:54	1

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

Lab Sample ID: MB 720-103803/1-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		12/01/11 18:26	12/01/11 19:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*45 - 131*	*12/01/11 18:26*	*12/01/11 19:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*12/01/11 18:26*	*12/01/11 19:54*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*12/01/11 18:26*	*12/01/11 19:54*	*1*

Lab Sample ID: LCS 720-103803/2-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	62.0		ug/Kg		124	70 - 144
Benzene	50.0	47.6		ug/Kg		95	70 - 130
Ethylbenzene	50.0	47.8		ug/Kg		96	80 - 137
Toluene	50.0	48.2		ug/Kg		96	80 - 128
m-Xylene & p-Xylene	100	98.4		ug/Kg		98	70 - 146
o-Xylene	50.0	51.2		ug/Kg		102	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCS 720-103803/4-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	997		ug/Kg		100	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCSD 720-103803/3-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	61.8		ug/Kg		124	70 - 144	0	20
Benzene	50.0	47.8		ug/Kg		96	70 - 130	0	20
Ethylbenzene	50.0	48.8		ug/Kg		98	80 - 137	2	20
Toluene	50.0	49.2		ug/Kg		98	80 - 128	2	20
m-Xylene & p-Xylene	100	99.8		ug/Kg		100	70 - 146	1	20
o-Xylene	50.0	51.8		ug/Kg		104	70 - 140	1	20

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

Lab Sample ID: LCSD 720-103803/3-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103803

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		45 - 131
1,2-Dichloroethane-d4 (Surr)	94		60 - 140
Toluene-d8 (Surr)	95		58 - 140

Lab Sample ID: LCSD 720-103803/5-A
Matrix: Solid
Analysis Batch: 103787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 103803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1000		ug/Kg		100	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	95		45 - 131
1,2-Dichloroethane-d4 (Surr)	97		60 - 140
Toluene-d8 (Surr)	96		58 - 140

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

Lab Sample ID: MB 720-103768/1-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 103768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		12/01/11 12:10	12/02/11 21:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01		0 - 1	12/01/11 12:10	12/02/11 21:53	1
p-Terphenyl	116		38 - 148	12/01/11 12:10	12/02/11 21:53	1

Lab Sample ID: LCS 720-103768/2-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 103768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.7	51.1		mg/Kg		62	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	97		38 - 148

Lab Sample ID: LCSD 720-103768/3-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 103768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.5	59.2		mg/Kg		72	36 - 112	15	35

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

Lab Sample ID: LCSD 720-103768/3-A
Matrix: Solid
Analysis Batch: 103807

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 103768

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*99*		*38 - 148*

Lab Sample ID: MB 720-103945/1-A
Matrix: Solid
Analysis Batch: 103970

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 103945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg		12/05/11 16:23	12/06/11 14:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*12/05/11 16:23*	*12/06/11 14:52*	*1*
p-Terphenyl	*88*		*38 - 148*	*12/05/11 16:23*	*12/06/11 14:52*	*1*

Lab Sample ID: LCS 720-103945/2-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 103945

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			83.1	51.4		mg/Kg		62	36 - 112		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*86*		*38 - 148*

Lab Sample ID: LCSD 720-103945/3-A
Matrix: Solid
Analysis Batch: 103971

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 103945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.3	51.4		mg/Kg		62	36 - 112	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*88*		*38 - 148*

GC/MS VOA

Analysis Batch: 103643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-1	DS #1	Total/NA	Solid	8260B/CA_LUFT MS	103653
720-38929-2	DS #2	Total/NA	Solid	8260B/CA_LUFT MS	103653
720-38929-3	DS #3	Total/NA	Solid	8260B/CA_LUFT MS	103653
720-38929-7	DS #7	Total/NA	Solid	8260B/CA_LUFT MS	103653
LCS 720-103653/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103653
LCS 720-103653/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103653
LCSD 720-103653/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103653
LCSD 720-103653/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103653
MB 720-103653/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	103653

Prep Batch: 103653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-1	DS #1	Total/NA	Solid	5030B	
720-38929-2	DS #2	Total/NA	Solid	5030B	
720-38929-3	DS #3	Total/NA	Solid	5030B	
720-38929-7	DS #7	Total/NA	Solid	5030B	
LCS 720-103653/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-103653/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-103653/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-103653/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-103653/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 103714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-4	DS #4	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-4 MS	DS #4	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-4 MSD	DS #4	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-5	DS #5	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-6	DS #6	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-8	DS #8	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-9	DS #9	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-10	DS #10	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-11	DS #11	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-12	DS #12	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-13	DS #13	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-14	DS #14	Total/NA	Solid	8260B/CA_LUFT MS	103734

GC/MS VOA (Continued)

Analysis Batch: 103714 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-15	DS #15	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-16	DS #16	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-17	DS #17	Total/NA	Solid	8260B/CA_LUFT MS	103734
720-38929-18	DS #18	Total/NA	Solid	8260B/CA_LUFT MS	103734
LCS 720-103734/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103734
LCS 720-103734/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103734
LCSD 720-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103734
LCSD 720-103734/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103734
MB 720-103734/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	103734

Prep Batch: 103734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-4	DS #4	Total/NA	Solid	5030B	
720-38929-4 MS	DS #4	Total/NA	Solid	5030B	
720-38929-4 MSD	DS #4	Total/NA	Solid	5030B	
720-38929-5	DS #5	Total/NA	Solid	5030B	
720-38929-6	DS #6	Total/NA	Solid	5030B	
720-38929-8	DS #8	Total/NA	Solid	5030B	
720-38929-9	DS #9	Total/NA	Solid	5030B	
720-38929-10	DS #10	Total/NA	Solid	5030B	
720-38929-11	DS #11	Total/NA	Solid	5030B	
720-38929-12	DS #12	Total/NA	Solid	5030B	
720-38929-13	DS #13	Total/NA	Solid	5030B	
720-38929-14	DS #14	Total/NA	Solid	5030B	
720-38929-15	DS #15	Total/NA	Solid	5030B	
720-38929-16	DS #16	Total/NA	Solid	5030B	
720-38929-17	DS #17	Total/NA	Solid	5030B	
720-38929-18	DS #18	Total/NA	Solid	5030B	
LCS 720-103734/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-103734/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-103734/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-103734/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-103734/1-A	Method Blank	Total/NA	Solid	5030B	

Analysis Batch: 103787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-11	DS #11	Total/NA	Solid	8260B/CA_LUFT MS	103803
LCS 720-103803/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103803
LCS 720-103803/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	103803
LCSD 720-103803/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103803
LCSD 720-103803/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	103803

GC/MS VOA (Continued)

Analysis Batch: 103787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-103803/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	103803

Prep Batch: 103803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-11	DS #11	Total/NA	Solid	5030B	
LCS 720-103803/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCS 720-103803/4-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-103803/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
LCSD 720-103803/5-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-103803/1-A	Method Blank	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 103768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-1	DS #1	Silica Gel Cleanup	Solid	3546	
720-38929-2	DS #2	Silica Gel Cleanup	Solid	3546	
720-38929-3	DS #3	Silica Gel Cleanup	Solid	3546	
720-38929-4	DS #4	Silica Gel Cleanup	Solid	3546	
720-38929-5	DS #5	Silica Gel Cleanup	Solid	3546	
720-38929-6	DS #6	Silica Gel Cleanup	Solid	3546	
720-38929-7	DS #7	Silica Gel Cleanup	Solid	3546	
720-38929-8	DS #8	Silica Gel Cleanup	Solid	3546	
720-38929-9	DS #9	Silica Gel Cleanup	Solid	3546	
720-38929-10	DS #10	Silica Gel Cleanup	Solid	3546	
720-38929-11	DS #11	Silica Gel Cleanup	Solid	3546	
LCS 720-103768/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-103768/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-103768/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 103807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-103768/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	103768
LCSD 720-103768/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	103768
MB 720-103768/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	103768

Prep Batch: 103945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-12	DS #12	Silica Gel Cleanup	Solid	3546	
720-38929-13	DS #13	Silica Gel Cleanup	Solid	3546	
720-38929-14	DS #14	Silica Gel Cleanup	Solid	3546	
720-38929-15	DS #15	Silica Gel Cleanup	Solid	3546	
720-38929-16	DS #16	Silica Gel Cleanup	Solid	3546	
720-38929-17	DS #17	Silica Gel Cleanup	Solid	3546	
720-38929-18	DS #18	Silica Gel Cleanup	Solid	3546	
LCS 720-103945/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-103945/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-103945/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 103970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-4	DS #4	Silica Gel Cleanup	Solid	8015B	103768
720-38929-5	DS #5	Silica Gel Cleanup	Solid	8015B	103768
720-38929-6	DS #6	Silica Gel Cleanup	Solid	8015B	103768
720-38929-8	DS #8	Silica Gel Cleanup	Solid	8015B	103768
720-38929-9	DS #9	Silica Gel Cleanup	Solid	8015B	103768
720-38929-10	DS #10	Silica Gel Cleanup	Solid	8015B	103768
720-38929-12	DS #12	Silica Gel Cleanup	Solid	8015B	103945
720-38929-13	DS #13	Silica Gel Cleanup	Solid	8015B	103945
MB 720-103945/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	103945

Analysis Batch: 103971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38929-1	DS #1	Silica Gel Cleanup	Solid	8015B	103768
720-38929-2	DS #2	Silica Gel Cleanup	Solid	8015B	103768
720-38929-3	DS #3	Silica Gel Cleanup	Solid	8015B	103768
720-38929-7	DS #7	Silica Gel Cleanup	Solid	8015B	103768
720-38929-11	DS #11	Silica Gel Cleanup	Solid	8015B	103768
720-38929-14	DS #14	Silica Gel Cleanup	Solid	8015B	103945
720-38929-15	DS #15	Silica Gel Cleanup	Solid	8015B	103945
720-38929-16	DS #16	Silica Gel Cleanup	Solid	8015B	103945
720-38929-17	DS #17	Silica Gel Cleanup	Solid	8015B	103945
720-38929-18	DS #18	Silica Gel Cleanup	Solid	8015B	103945
LCS 720-103945/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	103945
LCSD 720-103945/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	103945

Certification Summary

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

TestAmerica Job ID: 720-38929-1

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

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

Method Summary

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

TestAmerica Job ID: 720-38929-1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 720-38929-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-38929-1	DS #1	Solid	11/29/11 09:40	11/29/11 14:14
720-38929-2	DS #2	Solid	11/29/11 09:52	11/29/11 14:14
720-38929-3	DS #3	Solid	11/29/11 09:55	11/29/11 14:14
720-38929-4	DS #4	Solid	11/29/11 10:00	11/29/11 14:14
720-38929-5	DS #5	Solid	11/29/11 10:03	11/29/11 14:14
720-38929-6	DS #6	Solid	11/29/11 10:08	11/29/11 14:14
720-38929-7	DS #7	Solid	11/29/11 10:20	11/29/11 14:14
720-38929-8	DS #8	Solid	11/29/11 10:25	11/29/11 14:14
720-38929-9	DS #9	Solid	11/29/11 13:30	11/29/11 14:14
720-38929-10	DS #10	Solid	11/29/11 10:38	11/29/11 14:14
720-38929-11	DS #11	Solid	11/29/11 11:10	11/29/11 14:14
720-38929-12	DS #12	Solid	11/29/11 12:31	11/29/11 14:14
720-38929-13	DS #13	Solid	11/29/11 10:49	11/29/11 14:14
720-38929-14	DS #14	Solid	11/29/11 13:04	11/29/11 14:14
720-38929-15	DS #15	Solid	11/29/11 11:52	11/29/11 14:14
720-38929-16	DS #16	Solid	11/29/11 10:54	11/29/11 14:14
720-38929-17	DS #17	Solid	11/29/11 13:10	11/29/11 14:14
720-38929-18	DS #18	Solid	11/29/11 13:13	11/29/11 14:14

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

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

Reference #: 135127

720-38929

Date 11-29-11 Page 1 of 2

12/7/2011

Report To

Attn: Richard Gandolfo / Morgan Johnson
Company: ENGEO
Address:
Phone: Email: Kyle
Bill To: on
Sampled By: R. Gandolfo
Attn: Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	TEPH EPA 8015M* ☒ Silica Gel ☒ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
DS #1	11-29-11	9:40	S	ice																	1
DS #2		9:52																			1
DS #3		9:55																			1
DS #4		10:00																			1
DS #5		10:03																			1
DS #6		10:08																			1
DS #7		10:26																			1
DS #8		10:25																			1
DS #9		13:30																			1
DS #10		10:38																			1

Project Info.

Project Name: Jordan Ranch
Project#: 7828.000.001
PO#:
Credit Card#:

Sample Receipt

of Containers: 18
Head Space:
Temp: 2.6°C
Conforms to record:

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

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

(Lab to remove obvious asphalt particles prior to analysis)

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by: Richard Gandolfo 14:14
Signature Time
Printed Name 11/29/11 Date
ENGEO
Company

2) Relinquished by:
Signature Time
Printed Name Date
Company

3) Relinquished by:
Signature Time
Printed Name Date
Company

1) Received by: Joan Mullen 1414
Signature Time
Mullen 11-29-11
Printed Name Date
Company

2) Received by:
Signature Time
Printed Name Date
Company

3) Received by:
Signature Time
Printed Name Date
Company

Rev09/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-6002

Reference #: 135127

Date 11-29-11 Page 2 of 2

120-38929

12/7/2011

Report To

Attn: Richard Gandolfe / Morgan Johnson
Company: ENGEO
Address:
Phone: Email: on file
Bill To:
Sampled By: R. Gandolfe
Attn: Phone:

Analysis Request

Sample ID	Date	Time	Mat.	Preserv.	TPH EPA ☐ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	TEPH EPA 8015M* ☒ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
DS #11	11-29-11	11:10	S	ice	/	/															1
DS #12		12:31			/	/															1
DS #13		10:49			/	/															1
DS #14		13:04			/	/															1
DS #15		11:52			/	/															1
DS #16		10:54			/	/															1
DS #17		13:10			/	/															1
DS #18	↓	13:13	↓	↓	/	/															1

Page 32 of 33

Project Info

Project Name: Jordan Ranch
Project#: 7828.000.001
PO#:
Credit Card#:

Sample Receipt

of Containers: 18
Head Space:
Temp: 2.6°C
Conforms to record:

TAT: (5 Day) 3 Day 2 Day 1 Day Other:

Report: ☒ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF

Special Instructions / Comments: ☐ Global ID _____

(Lab to remove obvious asphalt particles prior to analysis)

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_6-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 14:14	Signature: Time:	Signature: Time:
Printed Name: Richard Gandolfe Date: 11/29/11	Printed Name: Date:	Printed Name: Date:
Company: ENGEO	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 14:14	Signature: Time:	Signature: Time:
Printed Name: Mullen Date: 11-29-11	Printed Name: Date:	Printed Name: Date:
Company: test America	Company:	Company:

Rev09/09

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-38929-1

Login Number: 38929

List Source: TestAmerica San Francisco

List Number: 1

Creator: Mullen, Joan

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

EIGHTEEN TRUCKING

P.O. BOX 881116
SAN FRANCISCO
CALIFORNIA 94188

(877) 422-1818 Office
(415) 552-1818
(415) 552-3130 Fax

DBE/LBE CERTIFIED

SHIPPING ORDER
and FREIGHT BILL

F 287599

Day: S | M | T | W | T | (F) | S

Date 12-30 20 11

TRUCK NO. 207

TRAILER TYPE 201

TYPE OF TRUCK

- ☐ ROLL OFF
- ☐ SUPER DUMP
- ☐ BOTTOMS
- ☐ 5 YRD DUMP
- ☐ FLAT BED
- ☒ SEMI END
- ☐ TEN WHEELER
- ☐ TRANSFER

SUB HAULER

PRIME CARRIER 18. TRUCKING

SHIPPER/CONTRACTOR ENGEO

POINT OF ORIGIN DUBLIN. CA

CITY

P.O. No./JOB # 5247

CONSIGNEE ENGEO

DESTINATION HAY. ROAD

CITY VACA VILLE. CA

MANIFEST No.

	MATERIALS			LOADING		UNLOADING	
NO.	SCALE TAG NO	YARD OR WEIGHT	TYPE OF MATERIAL	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE
1	1070579	22.12	DIRT	8:00	9:20	11:00	11:20
2				1:20			
3			LOAD				
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

START 8:00 AM | STOP 3:30 PM | DEDUCT TIME 0 | NET TIME | BRIDGEFARE 6 HOUR TOTAL

DRIVER ALFONSO MORA | RECEIVED BY X

Customer responsible for (A) checking Type & quality of material before driver dumps load (B) Correct location of dumping (C) Overweight loads & court fines (D) Safe access & exit for truck (E) Firm level ground for dumping (F) Collection Charges.

DIRT $50 5

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N/A	1	415-552-1818	002364

GENERATOR

5. Generator's Name and Mailing Address
BJP-ROF JORDAN RANCH, LLC
5000 HOPYARD RD SUITE 170
PLEASANTON, CA 94588 USA

Generator's Site Address (if different than mailing address)
4233 FALLON RD
DUBLIN, CA 94568 USA

Generator's Phone: 925-892-1218

6. Transporter 1 Company Name: Eighteen Trucking — U.S. EPA ID Number: CAR000184788

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Recology Hay Road Landfill
6426 Hay Rd.
Vacaville, CA 95687 USA

U.S. EPA ID Number: CAD982042475

Facility's Phone: 707-678-4718

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZERDOUS WASTE, SOLID,(SOIL WITH TPH-DIESEL)	1	DT	15	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WERE PROPER PPE WHEN HANDELING WASTE.
JOB # 5247

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: ALFONSO MORA — Signature: ALFONSO MORA — Month: 12 — Day: 30 — Year: 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ALFONSO MORA — Signature: ALFONSO MORA — Month: 12 — Day: 30 — Year: 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month: 12 — Day: 30 — Year: 11

DIMT 1553

169-BLC-O 6 10498 (Rev. 8/06)

COPY

RECOLOGY HAY ROAD
RECOLOGY HAY ROAD
6426 Hay Road Vacaville, CA 95687
Phone: (707)-678-4710
Truck: 5463
Customer: 52248/DIRT SHOP, INC.

Profile: 5247/BJP-ROF JORDAN RANCH LLC

Ticket: 1070579
Date: 12/30/2011
Time: 10:53:26 - 10:59:17

Gross: 77600 LBS : Scale
Tare: 33360 LBS : PreTare
Net: 44240 LBS
Scale: H1

Origin	Materials & Services	Quantity
DUB/Dublin	SOIL/VOC Soil	22.12 Tons

Recology
WASTE ZERO

1:20

Shilo Larsen

VMSTR4-LO 9/09 Printed on recycled paper

EIGHTEEN TRUCKING

P.O. BOX 881116
SAN FRANCISCO
CALIFORNIA 94188

(877) 422-1818 Office
(415) 552-1818
(415) 552-3130 Fax

DBE/LBE CERTIFIED

SHIPPING ORDER and FREIGHT BILL

F 288639

Day: S | M | T | W | T | (F) | S

Date 12-30- 2011

TRUCK NO. B-3

TRAILER TYPE 189

TYPE OF TRUCK

- ☐ ROLL OFF
- ☐ SUPER DUMP
- ☐ BOTTOMS
- ☐ 5 YRD DUMP
- ☐ FLAT BED
- ☐ SEMI END
- ☒ TEN WHEELER
- ☐ TRANSFER

SUB HAULER ROJAS - Trucking

PRIME CARRIER 18. Trucking

SHIPPER/CONTRACTOR ENGEO.

POINT OF ORIGIN Dublin Blvd - Fallon Rd.

CITY DUBLIN.

P.O. No./JOB # 5747.

CONSIGNEE 6426 Hwy - 99.

DESTINATION Hwy. 99 Landfill

CITY Oroville. -

MANIFEST No.

MATERIALS				LOADING		UNLOADING	
NO.	SCALE TAG NO	YARD OR WEIGHT	TYPE OF MATERIAL	TIME ARRIVE	TIME LEAVE	TIME ARRIVE	TIME LEAVE
1	10205[illegible]4	19.46	DIRT -	8:25	9:00	11:10	11:30
2				1:30			
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

START	STOP	DEDUCT TIME	NET TIME	BRIDGEFARE
8:30	1:30	0	5:00	$18.00

DRIVER [signature]

RECEIVED BY X [signature]

Customer responsible for (A) checking Type & quality of material before driver dumps load (B) Correct location of dumping (C) Overweight loads & court fines (D) Safe access & exit for truck (E) Firm level ground for dumping (F) Collection Charges.

DIMT 5.0

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N/A	1	415-552-1818	002362

GENERATOR

5. Generator's Name and Mailing Address

BJP-ROF JORDAN RANCH, LLC
5000 HOPYARD RD SUITE 170
PLEASANTON, CA 94588 USA

Generator's Site Address (if different than mailing address)

4233 FALLON RD
DUBLIN, CA 94568 USA

Generator's Phone: 925-892-1218

6. Transporter 1 Company Name: Eighteen Trucking — U.S. EPA ID Number: CAR000184788

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Recology Hay Road Landfill
6426 Hay Rd.
Vacaville, CA 95687 USA

U.S. EPA ID Number: CAD982042475

Facility's Phone: 707-678-4718

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZERDOUS WASTE, SOLID,(SOIL WITH TPH-DIESEL)	1	DT	15	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

WERE PROPER PPE WHEN HANDELING WASTE.
JOB # 5247

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

RECOLOGY HAY ROAD
RECOLOGY HAY ROAD
6426 Hay Road Vacaville, CA 95687
Phone: (707)-678-4718
Truck: 5153
Customer: 52340/DIRT SHOP, INC.

Profile: 5247/BJP=ROF JORDAN RANCH LLC

Ticket: 1070584
Date: 12/30/2011
Time: 11:02:45 - 11:03:11

Gross: 72920 LBS *Scale
Tare: 34000 LBS *PreTare
Net: 38920 LBS
Scale: N1

Origin	Materials & Services	Quantity
DUB/Dublin	SOIL V/VOC Soil	19.46 Tons

Recology
WASTE ZERO

Shilo Larsen

/MSTR4-LO 9/09 Printed on recycled paper

Date: January 27, 2012

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