

April 11, 2014

Project No.
7828.000.001

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RECEIVED

By Alameda County Environmental Health at 2:10 pm, Apr 11, 2014

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

SOIL REMOVAL WORKPLAN

Reference: ACEH, Technical Comments, Jordan Ranch, Dublin, California, June 17, 2013.

Dear Mr. Wickham:

This workplan was prepared in response to Technical Comment No. 1 in the referenced correspondence. The purpose of the workplan is to remove soil impacts that have been identified in surface soil to ensure that there are no human health concerns prior to development of the site to residential use.

BACKGROUND

The locations of the surface soil samples that were collected in August 2013 are shown on Figure 2. The soil sample locations were selected to address potential polychlorinated biphenyl (PCB) impacts previously observed at the base of a former power pole and petroleum staining previously observed near a former barn and above-ground storage areas. The coordinates of the former structures were obtained from Google Earth to aid in selecting the sample locations. The soil samples were collected at depth intervals of 0 to 6 and 12 to 18 inches below ground surface.

Three of the eleven soil samples were submitted for analysis of PCBs by EPA Test Method 8082. Eight of the eleven soil samples were submitted for analysis of total petroleum hydrocarbons as gasoline (TPHg) and volatile organic compounds by EPA Test Method 8260B, motor oil, and diesel by EPA Test Method 8015B, silica gel cleanup by EPA Test Method 3630, and organochlorine pesticides by EPA Test Method 8081.

PCBs were not detected above the laboratory reporting limit of 0.05 mg/kg. Relatively low concentrations of diesel were detected in seven samples up to a maximum of 58 mg/kg. Motor oil was detected in five samples up to a maximum of 550 mg/kg. Trace concentrations of 4,4-DDD, 4,4-DDE, and alpha-chlordance were detected in one sample. The only detection that exceeded Table A ESLs was a detection of toxaphene at location Barn SS-7 at a depth of 0 to 6 inches. The detected toxaphene concentration, 3.6 mg/kg, is less than the TTLC. Diesel and motor oil detections were also collocated at Barn SS-7, at 63 and 230 mg/kg. Cumulative analytical data is tabulated in Table 1.

PROPOSED REMOVAL ACTION

We propose to remove the elevated toxaphene detected at location Barn SS -7. The proposed removal action will involve excavation of the impacted surface soil and landfill disposal. The removal action scope entails the following:

- We will retain a hazmat licensed backhoe subcontractor to perform the soil excavation and landfill disposal. We estimate that 12 tons of Class II soil will be excavated from a 10- by 10-foot excavation centered on location Barn SS-7. The excavation will extend to a depth of 2 feet. The soil will be temporarily stockpiled onsite for approximately two weeks pending landfill acceptance. We will collect one 4-point composite sample from the stockpile for landfill profiling purposes. The stockpile sample will be analyzed for total petroleum hydrocarbons as diesel and motor oil by EPA Test Method 8015B, silica gel cleanup by EPA Test Method 3630, and organochlorine pesticides by EPA Test Method 8081.
- We will collect four confirmation sidewall samples and one base sample from the excavation. The stockpile sample will be analyzed for total petroleum hydrocarbons as diesel and motor oil by EPA Test Method 8015B, silica gel cleanup by EPA Test Method 3630, and organochlorine pesticides by EPA Test Method 8081. Samples will be collected in driven liners with hand equipment.
- We will prepare a removal action completion report for submittal to ACEH. The report will document the confirmation sampling, soil excavation, and landfill disposal. The locations of the confirmation samples and excavation will be documented on a site plan. Landfill disposal manifests and receipts will be attached to the report.

SCHEDULE

We can perform the excavation and confirmation sampling within two weeks of receiving ACEH approval on the workplan. We estimate that the soil off haul would be performed approximately two weeks after the confirmation sample data is collected.

If you have any questions on any portion of this workplan, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

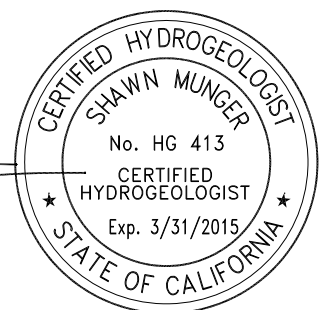


Morgan Johnson
mj/sm/jf

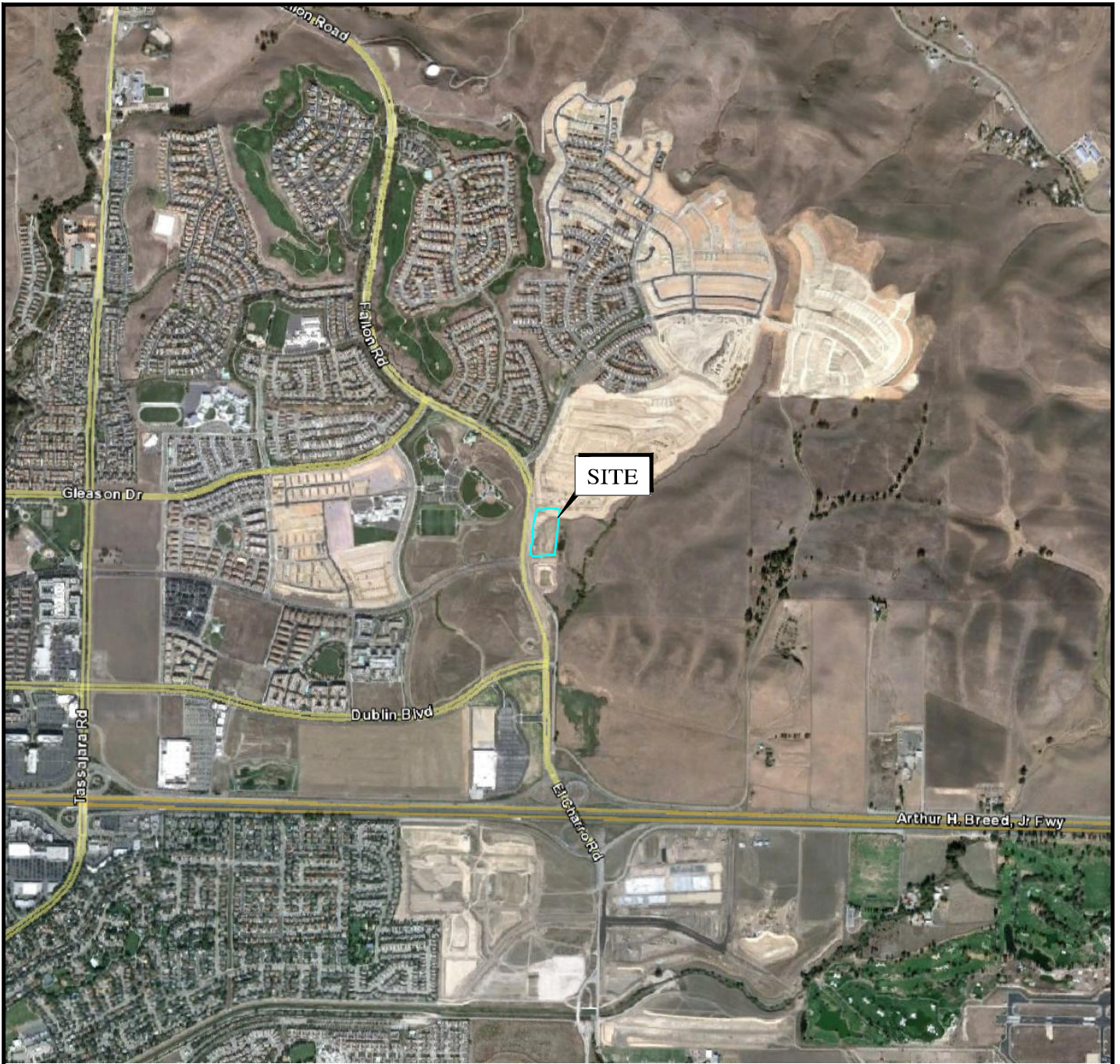
Attachments: Figure 1 – Vicinity Map
Figure 2 – Soil Removal Workplan
Table 1 – Soil Analytical Data
Certified Laboratory Analytical Report



Shawn Munger, CHG



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BASE MAP SOURCE: GOOGLE EARTH



VICINITY MAP
JORDAN RANCH - PARCEL H
DUBLIN, CALIFORNIA

PROJECT NO.: 7828.000.001

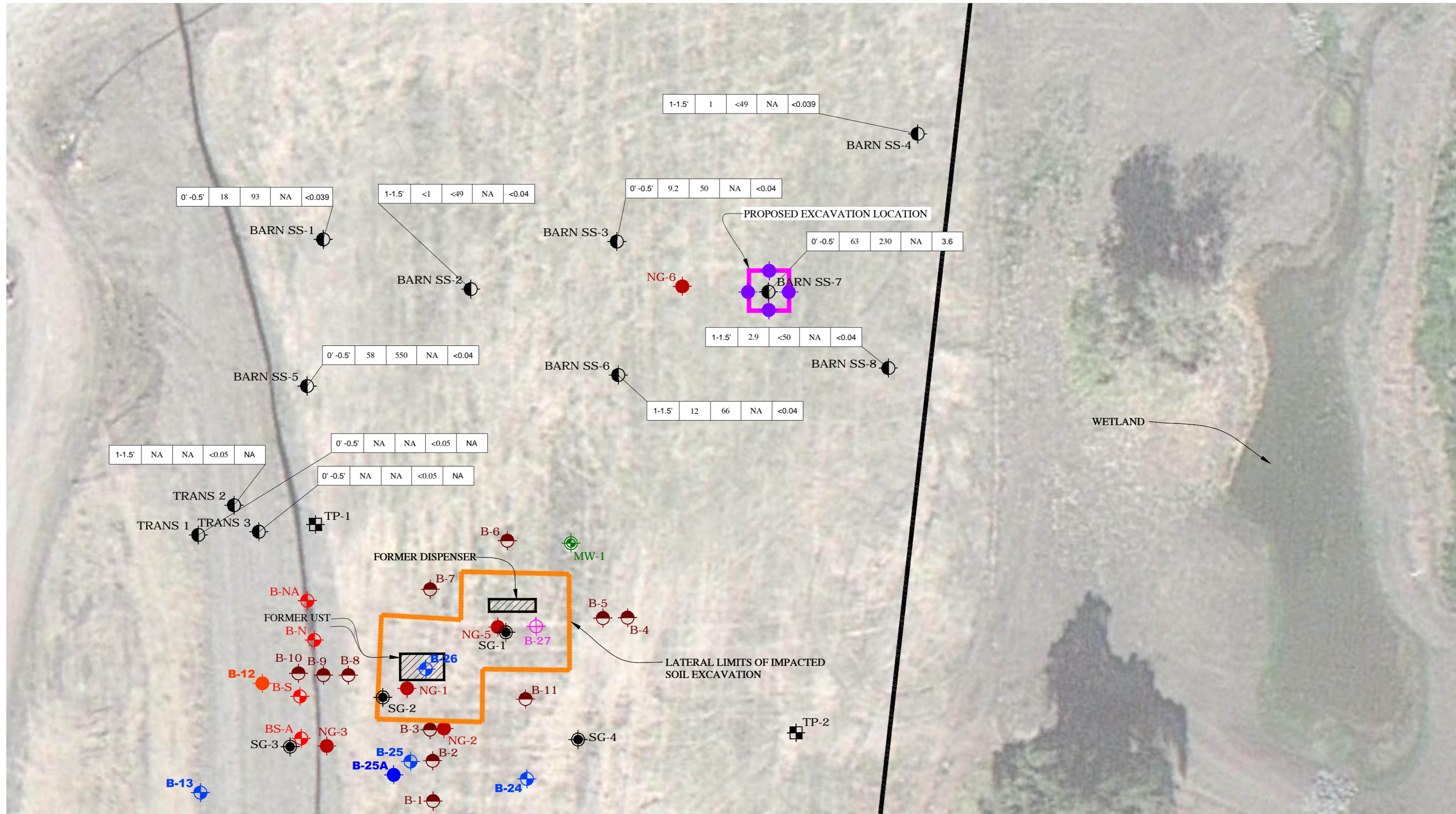
DATE: AS SHOWN

DRAWN BY: SRP

CHECKED BY: SM

FIGURE NO.

1



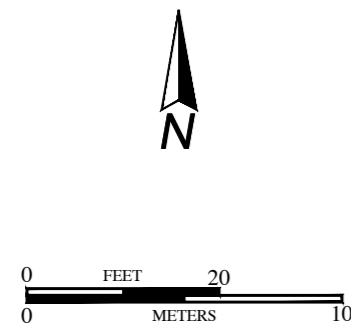
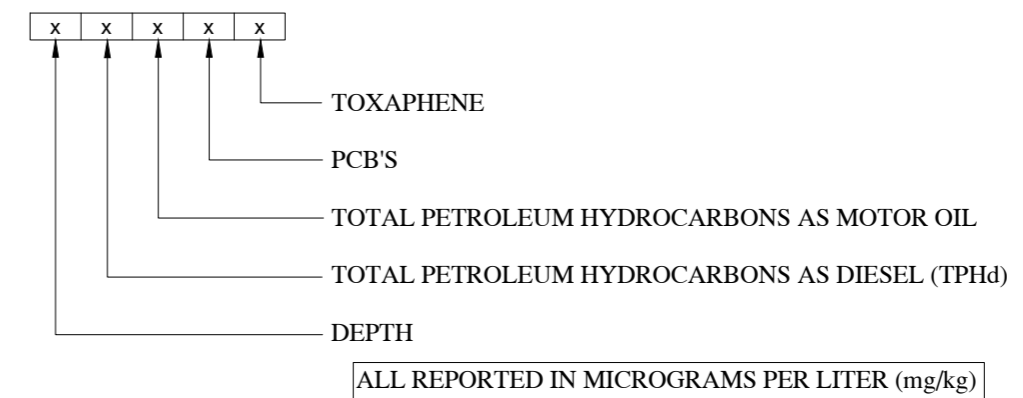
EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- PROPOSED LOCATION OF CONFORMATION SAMPLE
- MW-5 MONITORING WELL LOCATION (OCTOBER 2012)
- B-25A PROPOSED GRAB GROUNDWATER SAMPLE LOCATION
- B-32 GRAB GROUNDWATER SAMPLE SURVEYED WITH GPS LOCATION (ENGE0 2012/2013)
- NG-5 GRAB GROUNDWATER SAMPLE LOCATION (NEM, 2006)
- TP-3 GRAB GROUNDWATER SAMPLE LOCATION (ICES, 2006)
- B-12 SOIL AND GRAB GROUNDWATER SAMPLE LOCATION (ENGE0 2012/2013)
- BS-A GRAB SOIL SAMPLE LOCATION
- TRANS 3/BARN SS-7 SURFACE SOIL SAMPLE LOCATION (ENGE0, 9-2013)
- B-27 SOIL SAMPLE ONLY LOCATION (ENGE0 2012/2013)

B-11 SOIL BORING FOR SOIL SAMPLING AND PID SCREENING LOCATION (ENGE0, 2012)

SG-4 SOIL GAS WELL LOCATION



BASE MAP SOURCE: UNKNOWN



SOIL REMOVAL WORKPLAN
JORDAN RANCH - PARCEL H
DUBLIN, CALIFORNIA

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

FIGURE NO.
2

ORIGINAL FIGURE PRINTED IN COLOR

Table 1
Surface Soil Analytical Data

Client Sample ID	Date	Sample depth	Location	Acetone	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-pentanone	Benzene	Bromobenzene	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethane	cis-1,3-Dichloroethane	Dibromomethane	Dichlorobromomethane	Dichlorodibromomethane	Ethylbenzene	Ethylene Dichloride	Hexachlorobenzene	Isopropylbenzene	Methyl tert-butyl ether	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethane	trans-1,3-Dichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride	Xylenes						
BARNSS-1@0-6	08/30/13	0-6	North barn area	<5.1	<5.1	<51	57	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<20	<5.1	<10	<5.1	<10	<5.1	<5.1	<10	<5.1	<10	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<10	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10						
BARNSS-2@12-18	08/30/13	12-18	North barn area	<4.9	<4.9	<49	<49	<4.9	<4.9	<9.7	<4.9	<4.9	<4.9	<19	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7				
BARNSS-3@0-6	08/30/13	0-6	North barn area	<4.9	<4.9	<49	<49	<4.9	<4.9	<9.9	<4.9	<4.9	<4.9	<20	<4.9	<9.9	<4.9	<9.9	<4.9	<4.9	<9.9	<4.9	<9.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9	<9.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9			
BARNSS-4@12-18	08/30/13	12-18	North barn area	<4.9	<4.9	<49	<49	<4.9	<4.9	<9.7	<4.9	<4.9	<4.9	<19	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7		
BARNSS-5@0-6	08/30/13	0-6	North barn area	<5.0	<5.0	<50	<42	<5.0	<5.0	<9.9	<5.0	<5.0	<5.0	<20	<5.0	<9.9	<5.0	<9.9	<5.0	<5.0	<9.9	<5.0	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	
BARNSS-6@12-18	08/30/13	12-18	North barn area	<4.8	<4.8	<48	<48	<4.8	<4.8	<9.7	<4.8	<4.8	<4.8	<19	<4.8	<9.7	<4.8	<9.7	<4.8	<4.8	<9.7	<4.8	<9.7	<4.8	<4.8	<4.8	<4.8	<4.8	<9.7	<9.7	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<9.7	
BARNSS-7@0-6	08/30/13	0-6	North barn area	<4.7	<4.7	<47	<47	<4.7	<4.7	<9.5	<4.7	<4.7	<4.7	<19	<4.7	<9.5	<4.7	<9.5	<4.7	<4.7	<9.5	<4.7	<9.5	<4.7	<4.7	<4.7	<4.7	<4.7	<9.5	<9.5	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<9.5		
BARNSS-8@12-16	08/30/13	12-18	North barn area	<4.9	<4.9	<49	<49	<4.9	<4.9	<9.7	<4.9	<4.9	<4.9	<19	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<9.7	<4.9	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7	<9.7	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.7
TRANS-1@0-6	08/30/13	0-6	Former transformer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TRANS-2@12-18	08/30/13	12-18	Former transformer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRANS-3@0-6	08/30/13	0-6	Former transformer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-52038-1
Client Project/Site: Jordan Ranch

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

Attn: Ms. Morgan Johnson



Authorized for release by:
9/9/2013 5:34:09 PM

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

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 720-52038-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits

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
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 720-52038-1

Job ID: 720-52038-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-52038-1

Comments

No additional comments.

Receipt

The samples were received on 8/30/2013 4:16 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.7° C.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch #143423 recovered outside control limits for the following analytes: 2-Hexanone.

Method(s) 8260B: Internal standard response for the following sample 52038-1,3,4,5,7 exceeded the lower control limit and confirmed by reanalysis. As such, the sample results may be biased high.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch #143465 were outside control limits. This is attributed to matrix interferences.

Method(s) 8260B: Internal standard response for the following sample 52038-1MSD exceeded the lower control limit and confirmed by sample 52038-1. As such, the sample results may be biased high.

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: BARNSS-5@0-6 (720-52038-5).

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 143689 were outside control limits due to matrix interference.

Method(s) 8081A: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: BARNSS-7@0-6 (720-52038-7).

Method(s) 8082: The following sample(s) was diluted due to the abundance of non-target analytes: TRANS-1@0-6 (720-52038-9). Elevated reporting limits (RLs) are provided.

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: 720-52038-1

Client Sample ID: BARNSS-1@0-6

Lab Sample ID: 720-52038-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	57		51		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	18		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	93		49		mg/Kg	1		8015B	Silica Gel Cleanup
alpha-Chlordane	3.0		2.0		ug/Kg	1		8081A	Total/NA

Client Sample ID: BARNSS-2@12-18

Lab Sample ID: 720-52038-2

No Detections.

Client Sample ID: BARNSS-3@0-6

Lab Sample ID: 720-52038-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	9.2		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	50		49		mg/Kg	1		8015B	Silica Gel Cleanup
4,4'-DDE	14		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDD	3.3		2.0		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	2.4		2.0		ug/Kg	1		8081A	Total/NA

Client Sample ID: BARNSS-4@12-18

Lab Sample ID: 720-52038-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.0		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: BARNSS-5@0-6

Lab Sample ID: 720-52038-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	58		5.0		mg/Kg	5		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	550		250		mg/Kg	5		8015B	Silica Gel Cleanup

Client Sample ID: BARNSS-6@12-18

Lab Sample ID: 720-52038-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	12		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	66		49		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: BARNSS-7@0-6

Lab Sample ID: 720-52038-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	63		2.0		mg/Kg	2		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	230		100		mg/Kg	2		8015B	Silica Gel Cleanup
Heptachlor epoxide	310		99		ug/Kg	50		8081A	Total/NA
Toxaphene	36000		2000		ug/Kg	50		8081A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.9		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: TRANSS-1@0-6

Lab Sample ID: 720-52038-9

No Detections.

Client Sample ID: TRANSS-2@12-18

Lab Sample ID: 720-52038-10

No Detections.

Client Sample ID: TRANSS-3@0-6

Lab Sample ID: 720-52038-11

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton



Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-1@0-6

Lab Sample ID: 720-52038-1

Date Collected: 08/30/13 09:10

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Acetone	57		51		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Benzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Dichlorobromomethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Bromobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chlorobromomethane	ND		20		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Bromoform	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Bromomethane	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
2-Butanone (MEK)	ND		51		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
n-Butylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
sec-Butylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
tert-Butylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Carbon disulfide	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Carbon tetrachloride	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chloroethane	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chloroform	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chloromethane	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
2-Chlorotoluene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
4-Chlorotoluene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Chlorodibromomethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2-Dichlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,3-Dichlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,4-Dichlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,3-Dichloropropane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1-Dichloropropene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2-Dibromo-3-Chloropropane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Ethylene Dibromide	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Dibromomethane	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Dichlorodifluoromethane	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1-Dichloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2-Dichloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1-Dichloroethene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
cis-1,2-Dichloroethene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
trans-1,2-Dichloroethene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2-Dichloropropane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
cis-1,3-Dichloropropene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
trans-1,3-Dichloropropene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Ethylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Hexachlorobutadiene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
2-Hexanone	ND		51		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Isopropylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
4-Isopropyltoluene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Methylene Chloride	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
4-Methyl-2-pentanone (MIBK)	ND		51		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Naphthalene	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
N-Propylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Styrene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1,1,2-Tetrachloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-1@0-6

Lab Sample ID: 720-52038-1

Date Collected: 08/30/13 09:10

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Tetrachloroethene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Toluene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2,3-Trichlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2,4-Trichlorobenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1,1-Trichloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1,2-Trichloroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Trichloroethene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Trichlorofluoromethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2,3-Trichloropropane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,2,4-Trimethylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
1,3,5-Trimethylbenzene	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Vinyl acetate	ND		51		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Vinyl chloride	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Xylenes, Total	ND		10		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
2,2-Dichloropropane	ND		5.1		ug/Kg		09/03/13 10:00	09/03/13 14:28	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/03/13 10:00	09/03/13 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	63		45 - 131	09/03/13 10:00	09/03/13 14:28	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 140	09/03/13 10:00	09/03/13 14:28	1
Toluene-d8 (Surr)	87		58 - 140	09/03/13 10:00	09/03/13 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18		0.99		mg/Kg		09/05/13 15:09	09/06/13 17:26	1
Motor Oil Range Organics [C24-C36]	93		49		mg/Kg		09/05/13 15:09	09/06/13 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.04		0 - 1	09/05/13 15:09	09/06/13 17:26	1
p-Terphenyl	84		38 - 148	09/05/13 15:09	09/06/13 17:26	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-1@0-6

Lab Sample ID: 720-52038-1

Date Collected: 08/30/13 09:10

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Toxaphene	ND		39		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Chlordane (technical)	ND		39		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
alpha-Chlordane	3.0		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		57 - 122				09/05/13 11:07	09/06/13 23:41	1
DCB Decachlorobiphenyl	105		21 - 136				09/05/13 11:07	09/06/13 23:41	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-2@12-18

Lab Sample ID: 720-52038-2

Date Collected: 08/30/13 09:20

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Acetone	ND		49		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Benzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Dichlorobromomethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Bromobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chlorobromomethane	ND		19		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Bromoform	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Bromomethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
2-Butanone (MEK)	ND		49		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
n-Butylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
sec-Butylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
tert-Butylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Carbon disulfide	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Carbon tetrachloride	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chloroethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chloroform	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chloromethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
2-Chlorotoluene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
4-Chlorotoluene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Chlorodibromomethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,3-Dichloropropane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1-Dichloropropene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Ethylene Dibromide	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Dibromomethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1-Dichloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2-Dichloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1-Dichloroethene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2-Dichloropropane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Ethylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Hexachlorobutadiene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
2-Hexanone	ND *		49		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Isopropylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
4-Isopropyltoluene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Methylene Chloride	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Naphthalene	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
N-Propylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Styrene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-2@12-18

Lab Sample ID: 720-52038-2

Date Collected: 08/30/13 09:20

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Tetrachloroethene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Toluene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Trichloroethene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Trichlorofluoromethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Vinyl acetate	ND		49		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Vinyl chloride	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Xylenes, Total	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
2,2-Dichloropropane	ND		4.9		ug/Kg		08/30/13 18:00	08/31/13 03:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/30/13 18:00	08/31/13 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	73		45 - 131	08/30/13 18:00	08/31/13 03:48	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	08/30/13 18:00	08/31/13 03:48	1
Toluene-d8 (Surr)	88		58 - 140	08/30/13 18:00	08/31/13 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		09/05/13 15:09	09/06/13 21:29	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/05/13 15:09	09/06/13 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.001		0 - 1	09/05/13 15:09	09/06/13 21:29	1
p-Terphenyl	104		38 - 148	09/05/13 15:09	09/06/13 21:29	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-2@12-18

Lab Sample ID: 720-52038-2

Date Collected: 08/30/13 09:20

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Toxaphene	ND		40		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		57 - 122	09/05/13 11:07	09/06/13 23:57	1
DCB Decachlorobiphenyl	109		21 - 136	09/05/13 11:07	09/06/13 23:57	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-3@0-6

Lab Sample ID: 720-52038-3

Date Collected: 08/30/13 09:40

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Acetone	ND		49		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Benzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Bromobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chlorobromomethane	ND		20		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Bromoform	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Bromomethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
2-Butanone (MEK)	ND		49		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
n-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Carbon disulfide	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chloroethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chloroform	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chloromethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Dibromomethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Ethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
2-Hexanone	ND		49		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Isopropylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Methylene Chloride	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Naphthalene	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
N-Propylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Styrene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-3@0-6

Lab Sample ID: 720-52038-3

Date Collected: 08/30/13 09:40

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Tetrachloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Toluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Trichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Vinyl acetate	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Vinyl chloride	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Xylenes, Total	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 14:57	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/03/13 10:00	09/03/13 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	60		45 - 131	09/03/13 10:00	09/03/13 14:57	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140	09/03/13 10:00	09/03/13 14:57	1
Toluene-d8 (Surr)	80		58 - 140	09/03/13 10:00	09/03/13 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.2		0.99		mg/Kg		09/05/13 15:09	09/06/13 17:56	1
Motor Oil Range Organics [C24-C36]	50		49		mg/Kg		09/05/13 15:09	09/06/13 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.09		0 - 1	09/05/13 15:09	09/06/13 17:56	1
p-Terphenyl	80		38 - 148	09/05/13 15:09	09/06/13 17:56	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
4,4'-DDE	14		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
4,4'-DDD	3.3		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-3@0-6

Lab Sample ID: 720-52038-3

Date Collected: 08/30/13 09:40

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Toxaphene	ND		40		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
alpha-Chlordane	2.4		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		57 - 122				09/05/13 11:07	09/07/13 00:14	1
DCB Decachlorobiphenyl	97		21 - 136				09/05/13 11:07	09/07/13 00:14	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-4@12-18

Lab Sample ID: 720-52038-4

Date Collected: 08/30/13 09:50

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Acetone	ND		49		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Benzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Bromobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chlorobromomethane	ND		19		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Bromoform	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Bromomethane	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
2-Butanone (MEK)	ND		49		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
n-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Carbon disulfide	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chloroethane	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chloroform	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chloromethane	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Dibromomethane	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Ethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
2-Hexanone	ND		49		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Isopropylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Methylene Chloride	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Naphthalene	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
N-Propylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Styrene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-4@12-18

Lab Sample ID: 720-52038-4

Date Collected: 08/30/13 09:50

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Tetrachloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Toluene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Trichloroethene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Vinyl acetate	ND		49		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Vinyl chloride	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Xylenes, Total	ND		9.7		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/03/13 10:00	09/03/13 15:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		09/03/13 10:00	09/03/13 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	64		45 - 131	09/03/13 10:00	09/03/13 15:26	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140	09/03/13 10:00	09/03/13 15:26	1
Toluene-d8 (Surr)	83		58 - 140	09/03/13 10:00	09/03/13 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.0		0.99		mg/Kg		09/05/13 15:09	09/06/13 18:13	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/05/13 15:09	09/06/13 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.004		0 - 1	09/05/13 15:09	09/06/13 18:13	1
p-Terphenyl	102		38 - 148	09/05/13 15:09	09/06/13 18:13	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endrin	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-4@12-18

Lab Sample ID: 720-52038-4

Date Collected: 08/30/13 09:50

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Toxaphene	ND		39		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
Chlordane (technical)	ND		39		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/07/13 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		57 - 122	09/05/13 11:07	09/07/13 00:31	1
DCB Decachlorobiphenyl	84		21 - 136	09/05/13 11:07	09/07/13 00:31	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-5@0-6

Lab Sample ID: 720-52038-5

Date Collected: 08/30/13 09:17

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Acetone	ND		42		ug/Kg		08/30/13 18:00	08/31/13 05:15	1
Benzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Dichlorobromomethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Bromobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chlorobromomethane	ND		20		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Bromoform	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Bromomethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
2-Butanone (MEK)	ND		50		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
n-Butylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
sec-Butylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
tert-Butylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Carbon disulfide	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chloroethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chloroform	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chloromethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
2-Chlorotoluene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
4-Chlorotoluene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Chlorodibromomethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,3-Dichloropropane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1-Dichloropropene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Ethylene Dibromide	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Dibromomethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Ethylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Hexachlorobutadiene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
2-Hexanone	ND		50		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Isopropylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
4-Isopropyltoluene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Methylene Chloride	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Naphthalene	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
N-Propylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Styrene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-5@0-6

Lab Sample ID: 720-52038-5

Date Collected: 08/30/13 09:17

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Tetrachloroethene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Toluene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Trichloroethene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Vinyl acetate	ND		50		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Vinyl chloride	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Xylenes, Total	ND		9.9		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/03/13 10:00	09/03/13 15:55	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/03/13 10:00	09/03/13 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	58		45 - 131	08/30/13 18:00	08/31/13 05:15	1
4-Bromofluorobenzene	58		45 - 131	09/03/13 10:00	09/03/13 15:55	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 140	08/30/13 18:00	08/31/13 05:15	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	09/03/13 10:00	09/03/13 15:55	1
Toluene-d8 (Surr)	81		58 - 140	08/30/13 18:00	08/31/13 05:15	1
Toluene-d8 (Surr)	80		58 - 140	09/03/13 10:00	09/03/13 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	58		5.0		mg/Kg		09/05/13 15:09	09/06/13 19:51	5
Motor Oil Range Organics [C24-C36]	550		250		mg/Kg		09/05/13 15:09	09/06/13 19:51	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1	09/05/13 15:09	09/06/13 19:51	5
p-Terphenyl	0	XD	38 - 148	09/05/13 15:09	09/06/13 19:51	5

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Endrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-5@0-6

Lab Sample ID: 720-52038-5

Date Collected: 08/30/13 09:17

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Toxaphene	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		57 - 122	09/05/13 15:42	09/06/13 02:03	1
DCB Decachlorobiphenyl	88		21 - 136	09/05/13 15:42	09/06/13 02:03	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-6@12-18

Lab Sample ID: 720-52038-6

Date Collected: 08/30/13 09:55

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Acetone	ND		48		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Benzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Dichlorobromomethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Bromobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chlorobromomethane	ND		19		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Bromoform	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Bromomethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
2-Butanone (MEK)	ND		48		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
n-Butylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
sec-Butylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
tert-Butylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Carbon disulfide	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Carbon tetrachloride	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chloroethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chloroform	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chloromethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
2-Chlorotoluene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
4-Chlorotoluene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Chlorodibromomethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,3-Dichloropropane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1-Dichloropropene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2-Dibromo-3-Chloropropane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Ethylene Dibromide	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Dibromomethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1-Dichloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2-Dichloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1-Dichloroethene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2-Dichloropropane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Ethylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Hexachlorobutadiene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
2-Hexanone	ND *		48		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Isopropylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
4-Isopropyltoluene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Methylene Chloride	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Naphthalene	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
N-Propylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Styrene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-6@12-18

Lab Sample ID: 720-52038-6

Date Collected: 08/30/13 09:55

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Tetrachloroethene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Toluene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Trichloroethene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Trichlorofluoromethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Vinyl acetate	ND		48		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Vinyl chloride	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Xylenes, Total	ND		9.7		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
2,2-Dichloropropane	ND		4.8		ug/Kg		08/30/13 18:00	08/31/13 05:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/30/13 18:00	08/31/13 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	74		45 - 131	08/30/13 18:00	08/31/13 05:44	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140	08/30/13 18:00	08/31/13 05:44	1
Toluene-d8 (Surr)	85		58 - 140	08/30/13 18:00	08/31/13 05:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		0.99		mg/Kg		09/05/13 15:09	09/06/13 18:38	1
Motor Oil Range Organics [C24-C36]	66		49		mg/Kg		09/05/13 15:09	09/06/13 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.002		0 - 1	09/05/13 15:09	09/06/13 18:38	1
p-Terphenyl	95		38 - 148	09/05/13 15:09	09/06/13 18:38	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-6@12-18

Lab Sample ID: 720-52038-6

Date Collected: 08/30/13 09:55

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Toxaphene	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	111		57 - 122				09/05/13 15:42	09/06/13 02:20	1
DCB Decachlorobiphenyl	77		21 - 136				09/05/13 15:42	09/06/13 02:20	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-7@0-6

Lab Sample ID: 720-52038-7

Date Collected: 08/30/13 10:05

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Acetone	ND		47		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Benzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Dichlorobromomethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Bromobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chlorobromomethane	ND		19		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Bromoform	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Bromomethane	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
2-Butanone (MEK)	ND		47		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
n-Butylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
sec-Butylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
tert-Butylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Carbon disulfide	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Carbon tetrachloride	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chloroethane	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chloroform	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chloromethane	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
2-Chlorotoluene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
4-Chlorotoluene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Chlorodibromomethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,3-Dichloropropane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1-Dichloropropene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2-Dibromo-3-Chloropropane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Ethylene Dibromide	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Dibromomethane	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1-Dichloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2-Dichloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1-Dichloroethene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2-Dichloropropane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Ethylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Hexachlorobutadiene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
2-Hexanone	ND		47		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Isopropylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
4-Isopropyltoluene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Methylene Chloride	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		47		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Naphthalene	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
N-Propylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Styrene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-7@0-6

Lab Sample ID: 720-52038-7

Date Collected: 08/30/13 10:05

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Tetrachloroethene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Toluene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Trichloroethene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Trichlorofluoromethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,2,4-Trimethylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Vinyl acetate	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Vinyl chloride	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Xylenes, Total	ND		9.5		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
2,2-Dichloropropane	ND		4.7		ug/Kg		09/03/13 10:00	09/03/13 16:24	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		09/03/13 10:00	09/03/13 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	58		45 - 131	09/03/13 10:00	09/03/13 16:24	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 140	09/03/13 10:00	09/03/13 16:24	1
Toluene-d8 (Surr)	81		58 - 140	09/03/13 10:00	09/03/13 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	63		2.0		mg/Kg		09/05/13 15:09	09/06/13 19:23	2
Motor Oil Range Organics [C24-C36]	230		100		mg/Kg		09/05/13 15:09	09/06/13 19:23	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.09		0 - 1	09/05/13 15:09	09/06/13 19:23	2
p-Terphenyl	60		38 - 148	09/05/13 15:09	09/06/13 19:23	2

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Dieldrin	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endrin aldehyde	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endrin	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endrin ketone	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Heptachlor	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Heptachlor epoxide	310		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
4,4'-DDT	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
4,4'-DDE	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
4,4'-DDD	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endosulfan I	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endosulfan II	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
alpha-BHC	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
beta-BHC	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-7@0-6

Lab Sample ID: 720-52038-7

Date Collected: 08/30/13 10:05

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
delta-BHC	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Endosulfan sulfate	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Methoxychlor	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Toxaphene	36000		2000		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Chlordane (technical)	ND		2000		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
alpha-Chlordane	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
gamma-Chlordane	ND		99		ug/Kg		09/05/13 15:42	09/08/13 23:09	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	X D	57 - 122				09/05/13 15:42	09/08/13 23:09	50
DCB Decachlorobiphenyl	0	X D	21 - 136				09/05/13 15:42	09/08/13 23:09	50

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Date Collected: 08/30/13 09:42

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Acetone	ND		49		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Benzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Dichlorobromomethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Bromobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chlorobromomethane	ND		19		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Bromoform	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Bromomethane	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
2-Butanone (MEK)	ND		49		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
n-Butylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
sec-Butylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
tert-Butylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Carbon disulfide	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Carbon tetrachloride	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chloroethane	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chloroform	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chloromethane	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
2-Chlorotoluene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
4-Chlorotoluene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Chlorodibromomethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,3-Dichloropropane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1-Dichloropropene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2-Dibromo-3-Chloropropane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Ethylene Dibromide	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Dibromomethane	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1-Dichloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2-Dichloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1-Dichloroethene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2-Dichloropropane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Ethylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Hexachlorobutadiene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
2-Hexanone	ND		49		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Isopropylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
4-Isopropyltoluene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Methylene Chloride	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Naphthalene	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
N-Propylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Styrene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Date Collected: 08/30/13 09:42

Matrix: Solid

Date Received: 08/30/13 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Tetrachloroethene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Toluene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Trichloroethene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Trichlorofluoromethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Vinyl acetate	ND		49		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Vinyl chloride	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Xylenes, Total	ND		9.7		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
2,2-Dichloropropane	ND		4.9		ug/Kg		09/05/13 19:14	09/05/13 23:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		09/05/13 19:14	09/05/13 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131	09/05/13 19:14	09/05/13 23:05	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140	09/05/13 19:14	09/05/13 23:05	1
Toluene-d8 (Surr)	97		58 - 140	09/05/13 19:14	09/05/13 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.9		0.99		mg/Kg		09/05/13 15:09	09/06/13 19:23	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/05/13 15:09	09/06/13 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1	09/05/13 15:09	09/06/13 19:23	1
p-Terphenyl	93		38 - 148	09/05/13 15:09	09/06/13 19:23	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Date Collected: 08/30/13 09:42

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Toxaphene	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		57 - 122	09/05/13 15:42	09/06/13 02:53	1
DCB Decachlorobiphenyl	87		21 - 136	09/05/13 15:42	09/06/13 02:53	1

Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: TRANSS-1@0-6

Lab Sample ID: 720-52038-9

Date Collected: 08/30/13 09:30

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1221	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1232	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1242	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1248	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1254	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1
PCB-1260	ND		50		ug/Kg		09/05/13 15:52	09/06/13 08:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	120		45 - 132	09/05/13 15:52	09/06/13 08:06	1
DCB Decachlorobiphenyl	83		42 - 146	09/05/13 15:52	09/06/13 08:06	1



Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: TRANS-2@12-18

Lab Sample ID: 720-52038-10

Date Collected: 08/30/13 10:00

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1221	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1232	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1242	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1248	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1254	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1
PCB-1260	ND		50		ug/Kg		09/05/13 15:52	09/06/13 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		45 - 132	09/05/13 15:52	09/06/13 01:59	1
DCB Decachlorobiphenyl	75		42 - 146	09/05/13 15:52	09/06/13 01:59	1



Client Sample Results

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: TRANSS-3@0-6

Lab Sample ID: 720-52038-11

Date Collected: 08/30/13 09:26

Matrix: Solid

Date Received: 08/30/13 16:16

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1221	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1232	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1242	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1248	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1254	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1
PCB-1260	ND		49		ug/Kg		09/05/13 15:52	09/06/13 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	122		45 - 132	09/05/13 15:52	09/06/13 02:16	1
DCB Decachlorobiphenyl	91		42 - 146	09/05/13 15:52	09/06/13 02:16	1

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: MB 720-143423/4

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			08/30/13 19:35	1
Acetone	ND		50		ug/Kg			08/30/13 19:35	1
Benzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Dichlorobromomethane	ND		5.0		ug/Kg			08/30/13 19:35	1
Bromobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Chlorobromomethane	ND		20		ug/Kg			08/30/13 19:35	1
Bromoform	ND		5.0		ug/Kg			08/30/13 19:35	1
Bromomethane	ND		10		ug/Kg			08/30/13 19:35	1
2-Butanone (MEK)	ND		50		ug/Kg			08/30/13 19:35	1
n-Butylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
sec-Butylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
tert-Butylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Carbon disulfide	ND		5.0		ug/Kg			08/30/13 19:35	1
Carbon tetrachloride	ND		5.0		ug/Kg			08/30/13 19:35	1
Chlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Chloroethane	ND		10		ug/Kg			08/30/13 19:35	1
Chloroform	ND		5.0		ug/Kg			08/30/13 19:35	1
Chloromethane	ND		10		ug/Kg			08/30/13 19:35	1
2-Chlorotoluene	ND		5.0		ug/Kg			08/30/13 19:35	1
4-Chlorotoluene	ND		5.0		ug/Kg			08/30/13 19:35	1
Chlorodibromomethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,3-Dichloropropane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1-Dichloropropene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			08/30/13 19:35	1
Ethylene Dibromide	ND		5.0		ug/Kg			08/30/13 19:35	1
Dibromomethane	ND		10		ug/Kg			08/30/13 19:35	1
Dichlorodifluoromethane	ND		10		ug/Kg			08/30/13 19:35	1
1,1-Dichloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2-Dichloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1-Dichloroethene	ND		5.0		ug/Kg			08/30/13 19:35	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			08/30/13 19:35	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2-Dichloropropane	ND		5.0		ug/Kg			08/30/13 19:35	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			08/30/13 19:35	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			08/30/13 19:35	1
Ethylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Hexachlorobutadiene	ND		5.0		ug/Kg			08/30/13 19:35	1
2-Hexanone	ND		50		ug/Kg			08/30/13 19:35	1
Isopropylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
4-Isopropyltoluene	ND		5.0		ug/Kg			08/30/13 19:35	1
Methylene Chloride	ND		10		ug/Kg			08/30/13 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			08/30/13 19:35	1
Naphthalene	ND		10		ug/Kg			08/30/13 19:35	1
N-Propylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Styrene	ND		5.0		ug/Kg			08/30/13 19:35	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: MB 720-143423/4

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
Tetrachloroethene	ND		5.0		ug/Kg			08/30/13 19:35	1
Toluene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
Trichloroethene	ND		5.0		ug/Kg			08/30/13 19:35	1
Trichlorofluoromethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			08/30/13 19:35	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			08/30/13 19:35	1
Vinyl acetate	ND		50		ug/Kg			08/30/13 19:35	1
Vinyl chloride	ND		5.0		ug/Kg			08/30/13 19:35	1
Xylenes, Total	ND		10		ug/Kg			08/30/13 19:35	1
2,2-Dichloropropane	ND		5.0		ug/Kg			08/30/13 19:35	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			08/30/13 19:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	79		45 - 131		08/30/13 19:35	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140		08/30/13 19:35	1
Toluene-d8 (Surr)	90		58 - 140		08/30/13 19:35	1

Lab Sample ID: LCS 720-143423/5

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	46.4		ug/Kg		93	70 - 144
Acetone	250	217		ug/Kg		87	30 - 162
Benzene	50.0	46.5		ug/Kg		93	70 - 130
Dichlorobromomethane	50.0	48.6		ug/Kg		97	70 - 131
Bromobenzene	50.0	45.0		ug/Kg		90	70 - 130
Chlorobromomethane	50.0	45.5		ug/Kg		91	70 - 130
Bromoform	50.0	48.8		ug/Kg		98	59 - 158
Bromomethane	50.0	40.1		ug/Kg		80	59 - 132
2-Butanone (MEK)	250	221		ug/Kg		88	53 - 124
n-Butylbenzene	50.0	45.7		ug/Kg		91	70 - 142
sec-Butylbenzene	50.0	46.1		ug/Kg		92	70 - 136
tert-Butylbenzene	50.0	47.8		ug/Kg		96	70 - 130
Carbon disulfide	50.0	42.9		ug/Kg		86	60 - 140
Carbon tetrachloride	50.0	49.2		ug/Kg		98	70 - 138
Chlorobenzene	50.0	47.7		ug/Kg		95	70 - 130
Chloroethane	50.0	41.2		ug/Kg		82	65 - 130
Chloroform	50.0	47.4		ug/Kg		95	77 - 127

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143423/5

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	40.4		ug/Kg		81	55 - 140
2-Chlorotoluene	50.0	50.4		ug/Kg		101	70 - 138
4-Chlorotoluene	50.0	49.6		ug/Kg		99	70 - 136
Chlorodibromomethane	50.0	52.1		ug/Kg		104	70 - 146
1,2-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 130
1,3-Dichlorobenzene	50.0	47.7		ug/Kg		95	70 - 131
1,4-Dichlorobenzene	50.0	46.5		ug/Kg		93	70 - 130
1,3-Dichloropropane	50.0	50.7		ug/Kg		101	70 - 140
1,1-Dichloropropene	50.0	48.6		ug/Kg		97	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	45.1		ug/Kg		90	60 - 145
Ethylene Dibromide	50.0	49.6		ug/Kg		99	70 - 140
Dibromomethane	50.0	45.0		ug/Kg		90	70 - 139
Dichlorodifluoromethane	50.0	44.0		ug/Kg		88	37 - 158
1,1-Dichloroethane	50.0	44.0		ug/Kg		88	70 - 130
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	70 - 130
1,1-Dichloroethene	50.0	41.1		ug/Kg		82	76 - 122
cis-1,2-Dichloroethene	50.0	46.8		ug/Kg		94	70 - 138
trans-1,2-Dichloroethene	50.0	42.8		ug/Kg		86	67 - 130
1,2-Dichloropropane	50.0	47.0		ug/Kg		94	73 - 127
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	68 - 147
trans-1,3-Dichloropropene	50.0	51.9		ug/Kg		104	70 - 136
Ethylbenzene	50.0	47.3		ug/Kg		95	80 - 137
Hexachlorobutadiene	50.0	44.2		ug/Kg		88	70 - 132
2-Hexanone	250	226		ug/Kg		90	44 - 133
Isopropylbenzene	50.0	50.2		ug/Kg		100	88 - 128
4-Isopropyltoluene	50.0	45.5		ug/Kg		91	70 - 133
Methylene Chloride	50.0	45.7		ug/Kg		91	70 - 134
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	60 - 160
Naphthalene	50.0	40.3		ug/Kg		81	60 - 147
N-Propylbenzene	50.0	46.3		ug/Kg		93	70 - 130
Styrene	50.0	52.5		ug/Kg		105	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.3		ug/Kg		101	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/Kg		94	70 - 146
Tetrachloroethene	50.0	49.5		ug/Kg		99	70 - 132
Toluene	50.0	45.1		ug/Kg		90	80 - 128
1,2,3-Trichlorobenzene	50.0	44.7		ug/Kg		89	60 - 140
1,2,4-Trichlorobenzene	50.0	44.6		ug/Kg		89	60 - 140
1,1,1-Trichloroethane	50.0	46.5		ug/Kg		93	70 - 130
1,1,2-Trichloroethane	50.0	49.0		ug/Kg		98	70 - 130
Trichloroethene	50.0	47.0		ug/Kg		94	70 - 133
Trichlorofluoromethane	50.0	41.8		ug/Kg		84	60 - 140
1,2,3-Trichloropropane	50.0	47.4		ug/Kg		95	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.5		ug/Kg		89	60 - 140
1,2,4-Trimethylbenzene	50.0	49.4		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	46.2		ug/Kg		92	70 - 131
Vinyl acetate	50.0	56.0		ug/Kg		112	38 - 176
Vinyl chloride	50.0	35.8		ug/Kg		72	58 - 125

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143423/5

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	92.8		ug/Kg		93	70 - 146
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140
2,2-Dichloropropane	50.0	47.3		ug/Kg		95	70 - 162

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

Lab Sample ID: LCS 720-143423/7

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	946		ug/Kg		95	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-143423/6

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	70 - 144	11	20
Acetone	250	252		ug/Kg		101	30 - 162	15	30
Benzene	50.0	47.0		ug/Kg		94	70 - 130	1	20
Dichlorobromomethane	50.0	50.1		ug/Kg		100	70 - 131	3	20
Bromobenzene	50.0	46.0		ug/Kg		92	70 - 130	2	20
Chlorobromomethane	50.0	47.8		ug/Kg		96	70 - 130	5	20
Bromoform	50.0	53.8		ug/Kg		108	59 - 158	10	20
Bromomethane	50.0	40.1		ug/Kg		80	59 - 132	0	20
2-Butanone (MEK)	250	268		ug/Kg		107	53 - 124	19	20
n-Butylbenzene	50.0	45.1		ug/Kg		90	70 - 142	1	20
sec-Butylbenzene	50.0	45.6		ug/Kg		91	70 - 136	1	20
tert-Butylbenzene	50.0	47.0		ug/Kg		94	70 - 130	2	20
Carbon disulfide	50.0	43.1		ug/Kg		86	60 - 140	0	20
Carbon tetrachloride	50.0	49.5		ug/Kg		99	70 - 138	1	20
Chlorobenzene	50.0	47.9		ug/Kg		96	70 - 130	0	20
Chloroethane	50.0	41.3		ug/Kg		83	65 - 130	0	20
Chloroform	50.0	48.1		ug/Kg		96	77 - 127	1	20
Chloromethane	50.0	40.9		ug/Kg		82	55 - 140	1	20
2-Chlorotoluene	50.0	49.7		ug/Kg		99	70 - 138	1	20
4-Chlorotoluene	50.0	49.0		ug/Kg		98	70 - 136	1	20
Chlorodibromomethane	50.0	56.6		ug/Kg		113	70 - 146	8	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143423/6

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		
1,2-Dichlorobenzene	50.0	46.3		ug/Kg		93	70 - 130	2	20
1,3-Dichlorobenzene	50.0	47.7		ug/Kg		95	70 - 131	0	20
1,4-Dichlorobenzene	50.0	46.6		ug/Kg		93	70 - 130	0	20
1,3-Dichloropropane	50.0	53.4		ug/Kg		107	70 - 140	5	20
1,1-Dichloropropene	50.0	48.8		ug/Kg		98	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	52.9		ug/Kg		106	60 - 145	16	20
Ethylene Dibromide	50.0	53.9		ug/Kg		108	70 - 140	8	20
Dibromomethane	50.0	48.3		ug/Kg		97	70 - 139	7	20
Dichlorodifluoromethane	50.0	43.0		ug/Kg		86	37 - 158	2	20
1,1-Dichloroethane	50.0	44.1		ug/Kg		88	70 - 130	0	20
1,2-Dichloroethane	50.0	50.2		ug/Kg		100	70 - 130	6	20
1,1-Dichloroethene	50.0	42.0		ug/Kg		84	76 - 122	2	20
cis-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	70 - 138	1	20
trans-1,2-Dichloroethene	50.0	43.4		ug/Kg		87	67 - 130	1	20
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	73 - 127	4	20
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	68 - 147	5	20
trans-1,3-Dichloropropene	50.0	55.4		ug/Kg		111	70 - 136	7	20
Ethylbenzene	50.0	47.0		ug/Kg		94	80 - 137	1	20
Hexachlorobutadiene	50.0	44.5		ug/Kg		89	70 - 132	1	20
2-Hexanone	250	292	*	ug/Kg		117	44 - 133	25	20
Isopropylbenzene	50.0	49.6		ug/Kg		99	88 - 128	1	20
4-Isopropyltoluene	50.0	45.0		ug/Kg		90	70 - 133	1	20
Methylene Chloride	50.0	46.6		ug/Kg		93	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	302		ug/Kg		121	60 - 160	20	20
Naphthalene	50.0	45.8		ug/Kg		92	60 - 147	13	20
N-Propylbenzene	50.0	44.8		ug/Kg		90	70 - 130	3	20
Styrene	50.0	53.5		ug/Kg		107	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/Kg		102	70 - 130	1	20
1,1,1,2,2-Tetrachloroethane	50.0	51.1		ug/Kg		102	70 - 146	9	20
Tetrachloroethene	50.0	49.8		ug/Kg		100	70 - 132	1	20
Toluene	50.0	44.5		ug/Kg		89	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	47.4		ug/Kg		95	60 - 140	6	20
1,2,4-Trichlorobenzene	50.0	47.5		ug/Kg		95	60 - 140	6	20
1,1,1-Trichloroethane	50.0	47.2		ug/Kg		94	70 - 130	2	20
1,1,2-Trichloroethane	50.0	52.8		ug/Kg		106	70 - 130	8	20
Trichloroethene	50.0	47.1		ug/Kg		94	70 - 133	0	20
Trichlorofluoromethane	50.0	41.7		ug/Kg		83	60 - 140	0	20
1,2,3-Trichloropropane	50.0	52.3		ug/Kg		105	70 - 146	10	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.5		ug/Kg		91	60 - 140	2	20
1,2,4-Trimethylbenzene	50.0	48.9		ug/Kg		98	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	45.6		ug/Kg		91	70 - 131	1	20
Vinyl acetate	50.0	65.0		ug/Kg		130	38 - 176	15	20
Vinyl chloride	50.0	35.0		ug/Kg		70	58 - 125	2	20
m-Xylene & p-Xylene	100	92.3		ug/Kg		92	70 - 146	1	20
o-Xylene	50.0	49.4		ug/Kg		99	70 - 140	0	20
2,2-Dichloropropane	50.0	48.7		ug/Kg		97	70 - 162	3	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143423/6

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-143423/8

Matrix: Solid

Analysis Batch: 143423

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	1000	944		ug/Kg		94	61 - 128	0	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	99		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: MB 720-143465/5

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		5.0		ug/Kg			09/03/13 10:48	1
Acetone	ND		50		ug/Kg			09/03/13 10:48	1
Benzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Dichlorobromomethane	ND		5.0		ug/Kg			09/03/13 10:48	1
Bromobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Chlorobromomethane	ND		20		ug/Kg			09/03/13 10:48	1
Bromoform	ND		5.0		ug/Kg			09/03/13 10:48	1
Bromomethane	ND		10		ug/Kg			09/03/13 10:48	1
2-Butanone (MEK)	ND		50		ug/Kg			09/03/13 10:48	1
n-Butylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
sec-Butylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
tert-Butylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Carbon disulfide	ND		5.0		ug/Kg			09/03/13 10:48	1
Carbon tetrachloride	ND		5.0		ug/Kg			09/03/13 10:48	1
Chlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Chloroethane	ND		10		ug/Kg			09/03/13 10:48	1
Chloroform	ND		5.0		ug/Kg			09/03/13 10:48	1
Chloromethane	ND		10		ug/Kg			09/03/13 10:48	1
2-Chlorotoluene	ND		5.0		ug/Kg			09/03/13 10:48	1
4-Chlorotoluene	ND		5.0		ug/Kg			09/03/13 10:48	1
Chlorodibromomethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,3-Dichloropropane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1-Dichloropropene	ND		5.0		ug/Kg			09/03/13 10:48	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: MB 720-143465/5

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			09/03/13 10:48	1
Ethylene Dibromide	ND		5.0		ug/Kg			09/03/13 10:48	1
Dibromomethane	ND		10		ug/Kg			09/03/13 10:48	1
Dichlorodifluoromethane	ND		10		ug/Kg			09/03/13 10:48	1
1,1-Dichloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2-Dichloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1-Dichloroethene	ND		5.0		ug/Kg			09/03/13 10:48	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			09/03/13 10:48	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2-Dichloropropane	ND		5.0		ug/Kg			09/03/13 10:48	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			09/03/13 10:48	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			09/03/13 10:48	1
Ethylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Hexachlorobutadiene	ND		5.0		ug/Kg			09/03/13 10:48	1
2-Hexanone	ND		50		ug/Kg			09/03/13 10:48	1
Isopropylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
4-Isopropyltoluene	ND		5.0		ug/Kg			09/03/13 10:48	1
Methylene Chloride	ND		10		ug/Kg			09/03/13 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			09/03/13 10:48	1
Naphthalene	ND		10		ug/Kg			09/03/13 10:48	1
N-Propylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Styrene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
Tetrachloroethene	ND		5.0		ug/Kg			09/03/13 10:48	1
Toluene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
Trichloroethene	ND		5.0		ug/Kg			09/03/13 10:48	1
Trichlorofluoromethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			09/03/13 10:48	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			09/03/13 10:48	1
Vinyl acetate	ND		50		ug/Kg			09/03/13 10:48	1
Vinyl chloride	ND		5.0		ug/Kg			09/03/13 10:48	1
Xylenes, Total	ND		10		ug/Kg			09/03/13 10:48	1
2,2-Dichloropropane	ND		5.0		ug/Kg			09/03/13 10:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			09/03/13 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131		09/03/13 10:48	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140		09/03/13 10:48	1
Toluene-d8 (Surr)	89		58 - 140		09/03/13 10:48	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143465/6

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	46.2		ug/Kg		92	70 - 144
Acetone	250	214		ug/Kg		85	30 - 162
Benzene	50.0	47.2		ug/Kg		94	70 - 130
Dichlorobromomethane	50.0	48.7		ug/Kg		97	70 - 131
Bromobenzene	50.0	46.8		ug/Kg		94	70 - 130
Chlorobromomethane	50.0	46.6		ug/Kg		93	70 - 130
Bromoform	50.0	51.1		ug/Kg		102	59 - 158
Bromomethane	50.0	42.0		ug/Kg		84	59 - 132
2-Butanone (MEK)	250	230		ug/Kg		92	53 - 124
n-Butylbenzene	50.0	47.6		ug/Kg		95	70 - 142
sec-Butylbenzene	50.0	47.1		ug/Kg		94	70 - 136
tert-Butylbenzene	50.0	48.9		ug/Kg		98	70 - 130
Carbon disulfide	50.0	46.3		ug/Kg		93	60 - 140
Carbon tetrachloride	50.0	51.8		ug/Kg		104	70 - 138
Chlorobenzene	50.0	49.4		ug/Kg		99	70 - 130
Chloroethane	50.0	41.9		ug/Kg		84	65 - 130
Chloroform	50.0	47.6		ug/Kg		95	77 - 127
Chloromethane	50.0	42.2		ug/Kg		84	55 - 140
2-Chlorotoluene	50.0	50.9		ug/Kg		102	70 - 138
4-Chlorotoluene	50.0	50.9		ug/Kg		102	70 - 136
Chlorodibromomethane	50.0	53.3		ug/Kg		107	70 - 146
1,2-Dichlorobenzene	50.0	47.1		ug/Kg		94	70 - 130
1,3-Dichlorobenzene	50.0	50.0		ug/Kg		100	70 - 131
1,4-Dichlorobenzene	50.0	47.7		ug/Kg		95	70 - 130
1,3-Dichloropropane	50.0	50.1		ug/Kg		100	70 - 140
1,1-Dichloropropene	50.0	50.1		ug/Kg		100	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.5		ug/Kg		97	60 - 145
Ethylene Dibromide	50.0	49.1		ug/Kg		98	70 - 140
Dibromomethane	50.0	45.4		ug/Kg		91	70 - 139
Dichlorodifluoromethane	50.0	44.1		ug/Kg		88	37 - 158
1,1-Dichloroethane	50.0	44.2		ug/Kg		88	70 - 130
1,2-Dichloroethane	50.0	46.7		ug/Kg		93	70 - 130
1,1-Dichloroethene	50.0	43.6		ug/Kg		87	76 - 122
cis-1,2-Dichloroethene	50.0	46.8		ug/Kg		94	70 - 138
trans-1,2-Dichloroethene	50.0	44.1		ug/Kg		88	67 - 130
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	73 - 127
cis-1,3-Dichloropropene	50.0	52.9		ug/Kg		106	68 - 147
trans-1,3-Dichloropropene	50.0	52.2		ug/Kg		104	70 - 136
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 137
Hexachlorobutadiene	50.0	48.2		ug/Kg		96	70 - 132
2-Hexanone	250	239		ug/Kg		96	44 - 133
Isopropylbenzene	50.0	51.6		ug/Kg		103	88 - 128
4-Isopropyltoluene	50.0	46.8		ug/Kg		94	70 - 133
Methylene Chloride	50.0	44.3		ug/Kg		89	70 - 134
4-Methyl-2-pentanone (MIBK)	250	255		ug/Kg		102	60 - 160
Naphthalene	50.0	43.0		ug/Kg		86	60 - 147
N-Propylbenzene	50.0	46.3		ug/Kg		93	70 - 130
Styrene	50.0	53.6		ug/Kg		107	70 - 130

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143465/6

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/Kg		96	70 - 146
Tetrachloroethene	50.0	51.0		ug/Kg		102	70 - 132
Toluene	50.0	45.8		ug/Kg		92	80 - 128
1,2,3-Trichlorobenzene	50.0	47.6		ug/Kg		95	60 - 140
1,2,4-Trichlorobenzene	50.0	47.5		ug/Kg		95	60 - 140
1,1,1-Trichloroethane	50.0	48.3		ug/Kg		97	70 - 130
1,1,2-Trichloroethane	50.0	48.4		ug/Kg		97	70 - 130
Trichloroethene	50.0	49.8		ug/Kg		100	70 - 133
Trichlorofluoromethane	50.0	45.4		ug/Kg		91	60 - 140
1,2,3-Trichloropropane	50.0	48.0		ug/Kg		96	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.9		ug/Kg		96	60 - 140
1,2,4-Trimethylbenzene	50.0	50.4		ug/Kg		101	70 - 130
1,3,5-Trimethylbenzene	50.0	47.0		ug/Kg		94	70 - 131
Vinyl acetate	50.0	56.4		ug/Kg		113	38 - 176
Vinyl chloride	50.0	37.7		ug/Kg		75	58 - 125
m-Xylene & p-Xylene	100	93.3		ug/Kg		93	70 - 146
o-Xylene	50.0	50.0		ug/Kg		100	70 - 140
2,2-Dichloropropane	50.0	51.9		ug/Kg		104	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	96		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCS 720-143465/8

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	936		ug/Kg		94	61 - 128

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

Lab Sample ID: LCSD 720-143465/7

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Methyl tert-butyl ether	50.0	46.3		ug/Kg		93	70 - 144	0	20
Acetone	250	210		ug/Kg		84	30 - 162	2	30
Benzene	50.0	46.1		ug/Kg		92	70 - 130	2	20
Dichlorobromomethane	50.0	48.7		ug/Kg		97	70 - 131	0	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143465/7

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
							Limits		
Bromobenzene	50.0	46.3		ug/Kg		93	70 - 130	1	20
Chlorobromomethane	50.0	45.2		ug/Kg		90	70 - 130	3	20
Bromoform	50.0	50.2		ug/Kg		100	59 - 158	2	20
Bromomethane	50.0	40.0		ug/Kg		80	59 - 132	5	20
2-Butanone (MEK)	250	245		ug/Kg		98	53 - 124	6	20
n-Butylbenzene	50.0	46.0		ug/Kg		92	70 - 142	3	20
sec-Butylbenzene	50.0	46.3		ug/Kg		93	70 - 136	2	20
tert-Butylbenzene	50.0	48.4		ug/Kg		97	70 - 130	1	20
Carbon disulfide	50.0	44.4		ug/Kg		89	60 - 140	4	20
Carbon tetrachloride	50.0	50.6		ug/Kg		101	70 - 138	2	20
Chlorobenzene	50.0	49.1		ug/Kg		98	70 - 130	1	20
Chloroethane	50.0	39.9		ug/Kg		80	65 - 130	5	20
Chloroform	50.0	47.1		ug/Kg		94	77 - 127	1	20
Chloromethane	50.0	40.2		ug/Kg		80	55 - 140	5	20
2-Chlorotoluene	50.0	50.2		ug/Kg		100	70 - 138	1	20
4-Chlorotoluene	50.0	49.7		ug/Kg		99	70 - 136	2	20
Chlorodibromomethane	50.0	52.6		ug/Kg		105	70 - 146	1	20
1,2-Dichlorobenzene	50.0	46.4		ug/Kg		93	70 - 130	1	20
1,3-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 131	2	20
1,4-Dichlorobenzene	50.0	46.3		ug/Kg		93	70 - 130	3	20
1,3-Dichloropropane	50.0	49.4		ug/Kg		99	70 - 140	2	20
1,1-Dichloropropene	50.0	49.0		ug/Kg		98	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	49.4		ug/Kg		99	60 - 145	2	20
Ethylene Dibromide	50.0	50.1		ug/Kg		100	70 - 140	2	20
Dibromomethane	50.0	44.5		ug/Kg		89	70 - 139	2	20
Dichlorodifluoromethane	50.0	42.7		ug/Kg		85	37 - 158	3	20
1,1-Dichloroethane	50.0	44.2		ug/Kg		88	70 - 130	0	20
1,2-Dichloroethane	50.0	46.0		ug/Kg		92	70 - 130	2	20
1,1-Dichloroethene	50.0	43.2		ug/Kg		86	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	45.8		ug/Kg		92	70 - 138	2	20
trans-1,2-Dichloroethene	50.0	43.8		ug/Kg		88	67 - 130	1	20
1,2-Dichloropropane	50.0	46.2		ug/Kg		92	73 - 127	4	20
cis-1,3-Dichloropropene	50.0	51.9		ug/Kg		104	68 - 147	2	20
trans-1,3-Dichloropropene	50.0	51.0		ug/Kg		102	70 - 136	2	20
Ethylbenzene	50.0	47.7		ug/Kg		95	80 - 137	1	20
Hexachlorobutadiene	50.0	46.9		ug/Kg		94	70 - 132	3	20
2-Hexanone	250	245		ug/Kg		98	44 - 133	2	20
Isopropylbenzene	50.0	50.8		ug/Kg		102	88 - 128	1	20
4-Isopropyltoluene	50.0	45.8		ug/Kg		92	70 - 133	2	20
Methylene Chloride	50.0	43.5		ug/Kg		87	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	255		ug/Kg		102	60 - 160	0	20
Naphthalene	50.0	43.1		ug/Kg		86	60 - 147	0	20
N-Propylbenzene	50.0	46.2		ug/Kg		92	70 - 130	0	20
Styrene	50.0	52.5		ug/Kg		105	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/Kg		104	70 - 130	0	20
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/Kg		95	70 - 146	2	20
Tetrachloroethene	50.0	50.4		ug/Kg		101	70 - 132	1	20
Toluene	50.0	45.6		ug/Kg		91	80 - 128	0	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143465/7

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	50.0	47.0		ug/Kg		94	60 - 140	1	20
1,2,4-Trichlorobenzene	50.0	46.5		ug/Kg		93	60 - 140	2	20
1,1,1-Trichloroethane	50.0	47.5		ug/Kg		95	70 - 130	2	20
1,1,2-Trichloroethane	50.0	48.5		ug/Kg		97	70 - 130	0	20
Trichloroethene	50.0	47.7		ug/Kg		95	70 - 133	4	20
Trichlorofluoromethane	50.0	42.5		ug/Kg		85	60 - 140	7	20
1,2,3-Trichloropropane	50.0	48.7		ug/Kg		97	70 - 146	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/Kg		94	60 - 140	2	20
1,2,4-Trimethylbenzene	50.0	49.0		ug/Kg		98	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	46.7		ug/Kg		93	70 - 131	1	20
Vinyl acetate	50.0	56.1		ug/Kg		112	38 - 176	0	20
Vinyl chloride	50.0	37.0		ug/Kg		74	58 - 125	2	20
m-Xylene & p-Xylene	100	92.1		ug/Kg		92	70 - 146	1	20
o-Xylene	50.0	49.0		ug/Kg		98	70 - 140	2	20
2,2-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 162	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCSD 720-143465/9

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	931		ug/Kg		93	61 - 128	0	20

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

Lab Sample ID: 720-52038-1 MS

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: BARNSS-1@0-6

Prep Type: Total/NA

Prep Batch: 143515

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		49.5	57.2		ug/Kg		116	69 - 130
Acetone	57		248	358		ug/Kg		121	37 - 150
Benzene	ND		49.5	52.2		ug/Kg		105	70 - 130
Dichlorobromomethane	ND		49.5	55.1		ug/Kg		111	64 - 135
Bromobenzene	ND		49.5	55.8		ug/Kg		113	70 - 130
Chlorobromomethane	ND		49.5	52.6		ug/Kg		106	65 - 130
Bromoform	ND		49.5	58.5		ug/Kg		118	58 - 132
Bromomethane	ND		49.5	47.9		ug/Kg		97	56 - 130

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: 720-52038-1 MS

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: BARNSS-1@0-6

Prep Type: Total/NA

Prep Batch: 143515

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
2-Butanone (MEK)	ND		248	301		ug/Kg		122	41 - 150
n-Butylbenzene	ND		49.5	50.1		ug/Kg		101	60 - 145
sec-Butylbenzene	ND		49.5	54.2		ug/Kg		110	64 - 137
tert-Butylbenzene	ND		49.5	57.4		ug/Kg		116	63 - 134
Carbon disulfide	ND		49.5	50.3		ug/Kg		102	10 - 150
Carbon tetrachloride	ND		49.5	56.0		ug/Kg		113	54 - 130
Chlorobenzene	ND		49.5	54.2		ug/Kg		109	70 - 130
Chloroethane	ND		49.5	48.4		ug/Kg		98	61 - 130
Chloroform	ND		49.5	53.6		ug/Kg		108	67 - 130
Chloromethane	ND		49.5	48.7		ug/Kg		98	50 - 131
2-Chlorotoluene	ND		49.5	59.8		ug/Kg		121	70 - 130
4-Chlorotoluene	ND		49.5	58.4		ug/Kg		118	70 - 130
Chlorodibromomethane	ND		49.5	57.6		ug/Kg		116	60 - 141
1,2-Dichlorobenzene	ND		49.5	49.7		ug/Kg		100	70 - 130
1,3-Dichlorobenzene	ND		49.5	53.7		ug/Kg		108	70 - 130
1,4-Dichlorobenzene	ND		49.5	51.1		ug/Kg		103	70 - 130
1,3-Dichloropropane	ND		49.5	56.9		ug/Kg		115	70 - 130
1,1-Dichloropropene	ND		49.5	56.0		ug/Kg		113	67 - 130
1,2-Dibromo-3-Chloropropane	ND		49.5	71.3	F	ug/Kg		144	57 - 130
Ethylene Dibromide	ND		49.5	57.5		ug/Kg		116	66 - 135
Dibromomethane	ND		49.5	53.9		ug/Kg		109	65 - 131
Dichlorodifluoromethane	ND		49.5	52.1		ug/Kg		105	38 - 130
1,1-Dichloroethane	ND		49.5	50.9		ug/Kg		103	67 - 130
1,2-Dichloroethane	ND		49.5	55.4		ug/Kg		112	70 - 130
1,1-Dichloroethene	ND		49.5	48.8		ug/Kg		99	64 - 130
cis-1,2-Dichloroethene	ND		49.5	53.2		ug/Kg		107	68 - 131
trans-1,2-Dichloroethene	ND		49.5	50.1		ug/Kg		101	70 - 130
1,2-Dichloropropane	ND		49.5	52.9		ug/Kg		107	65 - 133
cis-1,3-Dichloropropene	ND		49.5	58.3		ug/Kg		118	46 - 139
trans-1,3-Dichloropropene	ND		49.5	58.3		ug/Kg		118	55 - 131
Ethylbenzene	ND		49.5	54.2		ug/Kg		109	65 - 130
Hexachlorobutadiene	ND		49.5	41.4		ug/Kg		84	58 - 132
2-Hexanone	ND		248	292		ug/Kg		113	44 - 150
Isopropylbenzene	ND		49.5	55.0		ug/Kg		111	65 - 130
4-Isopropyltoluene	ND		49.5	53.4		ug/Kg		108	69 - 134
Methylene Chloride	ND		49.5	51.5		ug/Kg		104	63 - 130
4-Methyl-2-pentanone (MIBK)	ND		248	317		ug/Kg		128	51 - 140
Naphthalene	ND		49.5	41.0		ug/Kg		83	45 - 146
N-Propylbenzene	ND		49.5	56.7		ug/Kg		114	70 - 130
Styrene	ND		49.5	56.1		ug/Kg		113	58 - 135
1,1,1,2-Tetrachloroethane	ND		49.5	59.3		ug/Kg		120	64 - 133
1,1,1,2-Tetrachloroethane	ND		49.5	67.1	F	ug/Kg		135	70 - 131
Tetrachloroethene	ND		49.5	52.7		ug/Kg		106	67 - 130
Toluene	ND		49.5	53.2		ug/Kg		107	70 - 130
1,2,3-Trichlorobenzene	ND		49.5	37.1		ug/Kg		75	58 - 138
1,2,4-Trichlorobenzene	ND		49.5	39.5		ug/Kg		80	49 - 144
1,1,1-Trichloroethane	ND		49.5	54.2		ug/Kg		110	57 - 133
1,1,2-Trichloroethane	ND		49.5	56.9		ug/Kg		115	68 - 132

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: 720-52038-1 MS

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: BARNSS-1@0-6

Prep Type: Total/NA

Prep Batch: 143515

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Trichloroethene	ND		49.5	53.0		ug/Kg		107	66 - 130
Trichlorofluoromethane	ND		49.5	50.1		ug/Kg		101	61 - 130
1,2,3-Trichloropropane	ND		49.5	68.1		ug/Kg		137	62 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.5	53.6		ug/Kg		108	52 - 130
1,2,4-Trimethylbenzene	ND		49.5	59.6		ug/Kg		120	64 - 140
1,3,5-Trimethylbenzene	ND		49.5	55.6		ug/Kg		112	67 - 134
Vinyl acetate	ND		49.5	ND	F	ug/Kg		43	52 - 150
Vinyl chloride	ND		49.5	44.9		ug/Kg		91	62 - 130
m-Xylene & p-Xylene	ND		99.0	105		ug/Kg		106	70 - 130
o-Xylene	ND		49.5	54.8		ug/Kg		111	68 - 130
2,2-Dichloropropane	ND		49.5	58.8		ug/Kg		119	63 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	107		60 - 140
Toluene-d8 (Surr)	93		58 - 140

Lab Sample ID: 720-52038-1 MSD

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: BARNSS-1@0-6

Prep Type: Total/NA

Prep Batch: 143515

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Methyl tert-butyl ether	ND		50.1	55.2		ug/Kg		110	69 - 130	3	20
Acetone	57		251	400		ug/Kg		137	37 - 150	11	20
Benzene	ND		50.1	50.2		ug/Kg		100	70 - 130	4	20
Dichlorobromomethane	ND		50.1	52.2		ug/Kg		104	64 - 135	5	20
Bromobenzene	ND		50.1	60.7		ug/Kg		121	70 - 130	8	20
Chlorobromomethane	ND		50.1	51.6		ug/Kg		103	65 - 130	2	20
Bromoform	ND		50.1	52.6		ug/Kg		105	58 - 132	11	20
Bromomethane	ND		50.1	41.9		ug/Kg		84	56 - 130	13	20
2-Butanone (MEK)	ND		251	248		ug/Kg		99	41 - 150	19	20
n-Butylbenzene	ND		50.1	44.6		ug/Kg		89	60 - 145	12	20
sec-Butylbenzene	ND		50.1	53.9		ug/Kg		108	64 - 137	1	20
tert-Butylbenzene	ND		50.1	61.3		ug/Kg		122	63 - 134	7	20
Carbon disulfide	ND		50.1	42.9		ug/Kg		86	10 - 150	16	20
Carbon tetrachloride	ND		50.1	52.9		ug/Kg		106	54 - 130	6	20
Chlorobenzene	ND		50.1	50.7		ug/Kg		101	70 - 130	7	20
Chloroethane	ND		50.1	43.5		ug/Kg		87	61 - 130	10	20
Chloroform	ND		50.1	52.4		ug/Kg		105	67 - 130	2	20
Chloromethane	ND		50.1	43.4		ug/Kg		87	50 - 131	11	20
2-Chlorotoluene	ND		50.1	64.1		ug/Kg		128	70 - 130	7	20
4-Chlorotoluene	ND		50.1	60.9		ug/Kg		122	70 - 130	4	20
Chlorodibromomethane	ND		50.1	52.5		ug/Kg		105	60 - 141	9	20
1,2-Dichlorobenzene	ND		50.1	43.7		ug/Kg		87	70 - 130	13	20
1,3-Dichlorobenzene	ND		50.1	48.7		ug/Kg		97	70 - 130	10	20
1,4-Dichlorobenzene	ND		50.1	46.5		ug/Kg		93	70 - 130	9	20
1,3-Dichloropropane	ND		50.1	52.3		ug/Kg		104	70 - 130	8	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: 720-52038-1 MSD

Matrix: Solid

Analysis Batch: 143465

Client Sample ID: BARNSS-1@0-6

Prep Type: Total/NA

Prep Batch: 143515

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1-Dichloropropene	ND		50.1	51.2		ug/Kg		102	67 - 130	9	20
1,2-Dibromo-3-Chloropropane	ND		50.1	71.2	F	ug/Kg		142	57 - 130	0	20
Ethylene Dibromide	ND		50.1	50.7		ug/Kg		101	66 - 135	13	20
Dibromomethane	ND		50.1	51.0		ug/Kg		102	65 - 131	6	20
Dichlorodifluoromethane	ND		50.1	45.3		ug/Kg		90	38 - 130	14	20
1,1-Dichloroethane	ND		50.1	49.1		ug/Kg		98	67 - 130	4	20
1,2-Dichloroethane	ND		50.1	52.0		ug/Kg		104	70 - 130	6	20
1,1-Dichloroethene	ND		50.1	47.5		ug/Kg		95	64 - 130	3	20
cis-1,2-Dichloroethene	ND		50.1	50.4		ug/Kg		101	68 - 131	5	20
trans-1,2-Dichloroethene	ND		50.1	49.1		ug/Kg		98	70 - 130	2	20
1,2-Dichloropropane	ND		50.1	51.0		ug/Kg		102	65 - 133	4	20
cis-1,3-Dichloropropene	ND		50.1	51.1		ug/Kg		102	46 - 139	13	20
trans-1,3-Dichloropropene	ND		50.1	51.5		ug/Kg		103	55 - 131	12	20
Ethylbenzene	ND		50.1	50.9		ug/Kg		102	65 - 130	6	20
Hexachlorobutadiene	ND		50.1	30.4	F	ug/Kg		61	58 - 132	31	20
2-Hexanone	ND		251	224	F	ug/Kg		84	44 - 150	26	20
Isopropylbenzene	ND		50.1	48.8		ug/Kg		97	65 - 130	12	20
4-Isopropyltoluene	ND		50.1	52.0		ug/Kg		104	69 - 134	3	20
Methylene Chloride	ND		50.1	50.8		ug/Kg		101	63 - 130	1	20
4-Methyl-2-pentanone (MIBK)	ND		251	267		ug/Kg		107	51 - 140	17	20
Naphthalene	ND		50.1	23.8	F	ug/Kg		48	45 - 146	53	20
N-Propylbenzene	ND		50.1	61.5		ug/Kg		123	70 - 130	8	20
Styrene	ND		50.1	47.4		ug/Kg		95	58 - 135	17	20
1,1,1,2-Tetrachloroethane	ND		50.1	58.3		ug/Kg		116	64 - 133	2	20
1,1,1,2,2-Tetrachloroethane	ND		50.1	76.5	F	ug/Kg		153	70 - 131	13	20
Tetrachloroethene	ND		50.1	45.8		ug/Kg		91	67 - 130	14	20
Toluene	ND		50.1	53.7		ug/Kg		107	70 - 130	1	20
1,2,3-Trichlorobenzene	ND		50.1	22.3	F	ug/Kg		45	58 - 138	50	20
1,2,4-Trichlorobenzene	ND		50.1	23.8	F	ug/Kg		48	49 - 144	49	20
1,1,1-Trichloroethane	ND		50.1	51.1		ug/Kg		102	57 - 133	6	20
1,1,1,2-Trichloroethane	ND		50.1	51.5		ug/Kg		103	68 - 132	10	20
Trichloroethene	ND		50.1	49.7		ug/Kg		99	66 - 130	6	20
Trichlorofluoromethane	ND		50.1	44.7		ug/Kg		89	61 - 130	11	20
1,2,3-Trichloropropane	ND		50.1	82.5	F	ug/Kg		165	62 - 150	19	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.1	50.3		ug/Kg		100	52 - 130	6	20
1,2,4-Trimethylbenzene	ND		50.1	61.5		ug/Kg		123	64 - 140	3	20
1,3,5-Trimethylbenzene	ND		50.1	59.3		ug/Kg		118	67 - 134	6	20
Vinyl acetate	ND		50.1	ND	F	ug/Kg		0	52 - 150	NC	20
Vinyl chloride	ND		50.1	38.8		ug/Kg		78	62 - 130	14	20
m-Xylene & p-Xylene	ND		100	96.7		ug/Kg		97	70 - 130	8	20
o-Xylene	ND		50.1	50.5		ug/Kg		101	68 - 130	8	20
2,2-Dichloropropane	ND		50.1	55.3		ug/Kg		110	63 - 130	6	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	84		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	92		58 - 140

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: MB 720-143678/4

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			09/05/13 15:24	1
Acetone	ND		50		ug/Kg			09/05/13 15:24	1
Benzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Dichlorobromomethane	ND		5.0		ug/Kg			09/05/13 15:24	1
Bromobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Chlorobromomethane	ND		20		ug/Kg			09/05/13 15:24	1
Bromoform	ND		5.0		ug/Kg			09/05/13 15:24	1
Bromomethane	ND		10		ug/Kg			09/05/13 15:24	1
2-Butanone (MEK)	ND		50		ug/Kg			09/05/13 15:24	1
n-Butylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
sec-Butylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
tert-Butylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Carbon disulfide	ND		5.0		ug/Kg			09/05/13 15:24	1
Carbon tetrachloride	ND		5.0		ug/Kg			09/05/13 15:24	1
Chlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Chloroethane	ND		10		ug/Kg			09/05/13 15:24	1
Chloroform	ND		5.0		ug/Kg			09/05/13 15:24	1
Chloromethane	ND		10		ug/Kg			09/05/13 15:24	1
2-Chlorotoluene	ND		5.0		ug/Kg			09/05/13 15:24	1
4-Chlorotoluene	ND		5.0		ug/Kg			09/05/13 15:24	1
Chlorodibromomethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,3-Dichloropropane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1-Dichloropropene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			09/05/13 15:24	1
Ethylene Dibromide	ND		5.0		ug/Kg			09/05/13 15:24	1
Dibromomethane	ND		10		ug/Kg			09/05/13 15:24	1
Dichlorodifluoromethane	ND		10		ug/Kg			09/05/13 15:24	1
1,1-Dichloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2-Dichloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1-Dichloroethene	ND		5.0		ug/Kg			09/05/13 15:24	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			09/05/13 15:24	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2-Dichloropropane	ND		5.0		ug/Kg			09/05/13 15:24	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			09/05/13 15:24	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			09/05/13 15:24	1
Ethylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Hexachlorobutadiene	ND		5.0		ug/Kg			09/05/13 15:24	1
2-Hexanone	ND		50		ug/Kg			09/05/13 15:24	1
Isopropylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
4-Isopropyltoluene	ND		5.0		ug/Kg			09/05/13 15:24	1
Methylene Chloride	ND		10		ug/Kg			09/05/13 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			09/05/13 15:24	1
Naphthalene	ND		10		ug/Kg			09/05/13 15:24	1
N-Propylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Styrene	ND		5.0		ug/Kg			09/05/13 15:24	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: MB 720-143678/4

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
Tetrachloroethene	ND		5.0		ug/Kg			09/05/13 15:24	1
Toluene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
Trichloroethene	ND		5.0		ug/Kg			09/05/13 15:24	1
Trichlorofluoromethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			09/05/13 15:24	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			09/05/13 15:24	1
Vinyl acetate	ND		50		ug/Kg			09/05/13 15:24	1
Vinyl chloride	ND		5.0		ug/Kg			09/05/13 15:24	1
Xylenes, Total	ND		10		ug/Kg			09/05/13 15:24	1
2,2-Dichloropropane	ND		5.0		ug/Kg			09/05/13 15:24	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			09/05/13 15:24	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	102		45 - 131		09/05/13 15:24	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140		09/05/13 15:24	1
Toluene-d8 (Surr)	99		58 - 140		09/05/13 15:24	1

Lab Sample ID: LCS 720-143678/5

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Methyl tert-butyl ether	50.0	51.9		ug/Kg		104	70 - 144
Acetone	250	240		ug/Kg		96	30 - 162
Benzene	50.0	49.6		ug/Kg		99	70 - 130
Dichlorobromomethane	50.0	50.9		ug/Kg		102	70 - 131
Bromobenzene	50.0	51.4		ug/Kg		103	70 - 130
Chlorobromomethane	50.0	52.7		ug/Kg		105	70 - 130
Bromoform	50.0	56.9		ug/Kg		114	59 - 158
Bromomethane	50.0	44.3		ug/Kg		89	59 - 132
2-Butanone (MEK)	250	253		ug/Kg		101	53 - 124
n-Butylbenzene	50.0	53.6		ug/Kg		107	70 - 142
sec-Butylbenzene	50.0	51.6		ug/Kg		103	70 - 136
tert-Butylbenzene	50.0	51.4		ug/Kg		103	70 - 130
Carbon disulfide	50.0	50.6		ug/Kg		101	60 - 140
Carbon tetrachloride	50.0	50.4		ug/Kg		101	70 - 138
Chlorobenzene	50.0	52.7		ug/Kg		105	70 - 130
Chloroethane	50.0	47.9		ug/Kg		96	65 - 130
Chloroform	50.0	50.2		ug/Kg		100	77 - 127

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143678/5

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	42.5		ug/Kg		85	55 - 140
2-Chlorotoluene	50.0	52.2		ug/Kg		104	70 - 138
4-Chlorotoluene	50.0	50.8		ug/Kg		102	70 - 136
Chlorodibromomethane	50.0	54.9		ug/Kg		110	70 - 146
1,2-Dichlorobenzene	50.0	51.7		ug/Kg		103	70 - 130
1,3-Dichlorobenzene	50.0	53.3		ug/Kg		107	70 - 131
1,4-Dichlorobenzene	50.0	53.0		ug/Kg		106	70 - 130
1,3-Dichloropropane	50.0	53.0		ug/Kg		106	70 - 140
1,1-Dichloropropene	50.0	53.4		ug/Kg		107	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.5		ug/Kg		103	60 - 145
Ethylene Dibromide	50.0	56.0		ug/Kg		112	70 - 140
Dibromomethane	50.0	50.9		ug/Kg		102	70 - 139
Dichlorodifluoromethane	50.0	36.9		ug/Kg		74	37 - 158
1,1-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130
1,2-Dichloroethane	50.0	52.3		ug/Kg		105	70 - 130
1,1-Dichloroethene	50.0	45.2		ug/Kg		90	76 - 122
cis-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	70 - 138
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	67 - 130
1,2-Dichloropropane	50.0	52.1		ug/Kg		104	73 - 127
cis-1,3-Dichloropropene	50.0	55.4		ug/Kg		111	68 - 147
trans-1,3-Dichloropropene	50.0	56.6		ug/Kg		113	70 - 136
Ethylbenzene	50.0	51.5		ug/Kg		103	80 - 137
Hexachlorobutadiene	50.0	52.0		ug/Kg		104	70 - 132
2-Hexanone	250	260		ug/Kg		104	44 - 133
Isopropylbenzene	50.0	54.2		ug/Kg		108	88 - 128
4-Isopropyltoluene	50.0	52.1		ug/Kg		104	70 - 133
Methylene Chloride	50.0	46.9		ug/Kg		94	70 - 134
4-Methyl-2-pentanone (MIBK)	250	270		ug/Kg		108	60 - 160
Naphthalene	50.0	55.4		ug/Kg		111	60 - 147
N-Propylbenzene	50.0	53.6		ug/Kg		107	70 - 130
Styrene	50.0	55.5		ug/Kg		111	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	70 - 130
1,1,1,2,2-Tetrachloroethane	50.0	53.5		ug/Kg		107	70 - 146
Tetrachloroethene	50.0	51.5		ug/Kg		103	70 - 132
Toluene	50.0	51.0		ug/Kg		102	80 - 128
1,2,3-Trichlorobenzene	50.0	54.1		ug/Kg		108	60 - 140
1,2,4-Trichlorobenzene	50.0	54.5		ug/Kg		109	60 - 140
1,1,1-Trichloroethane	50.0	49.1		ug/Kg		98	70 - 130
1,1,2-Trichloroethane	50.0	55.7		ug/Kg		111	70 - 130
Trichloroethene	50.0	51.7		ug/Kg		103	70 - 133
Trichlorofluoromethane	50.0	47.1		ug/Kg		94	60 - 140
1,2,3-Trichloropropane	50.0	55.7		ug/Kg		111	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.3		ug/Kg		97	60 - 140
1,2,4-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 130
1,3,5-Trimethylbenzene	50.0	52.4		ug/Kg		105	70 - 131
Vinyl acetate	50.0	59.4		ug/Kg		119	38 - 176
Vinyl chloride	50.0	44.9		ug/Kg		90	58 - 125

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCS 720-143678/5

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	100	106		ug/Kg		106	70 - 146
o-Xylene	50.0	53.1		ug/Kg		106	70 - 140
2,2-Dichloropropane	50.0	51.5		ug/Kg		103	70 - 162

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

Lab Sample ID: LCS 720-143678/7

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	935		ug/Kg		94	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-143678/6

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	52.7		ug/Kg		105	70 - 144	2	20
Acetone	250	239		ug/Kg		95	30 - 162	1	30
Benzene	50.0	50.0		ug/Kg		100	70 - 130	1	20
Dichlorobromomethane	50.0	52.5		ug/Kg		105	70 - 131	3	20
Bromobenzene	50.0	52.6		ug/Kg		105	70 - 130	2	20
Chlorobromomethane	50.0	54.3		ug/Kg		109	70 - 130	3	20
Bromoform	50.0	57.6		ug/Kg		115	59 - 158	1	20
Bromomethane	50.0	45.4		ug/Kg		91	59 - 132	2	20
2-Butanone (MEK)	250	246		ug/Kg		98	53 - 124	3	20
n-Butylbenzene	50.0	54.7		ug/Kg		109	70 - 142	2	20
sec-Butylbenzene	50.0	52.4		ug/Kg		105	70 - 136	1	20
tert-Butylbenzene	50.0	52.7		ug/Kg		105	70 - 130	2	20
Carbon disulfide	50.0	51.1		ug/Kg		102	60 - 140	1	20
Carbon tetrachloride	50.0	50.9		ug/Kg		102	70 - 138	1	20
Chlorobenzene	50.0	53.9		ug/Kg		108	70 - 130	2	20
Chloroethane	50.0	48.8		ug/Kg		98	65 - 130	2	20
Chloroform	50.0	51.0		ug/Kg		102	77 - 127	1	20
Chloromethane	50.0	43.8		ug/Kg		88	55 - 140	3	20
2-Chlorotoluene	50.0	53.3		ug/Kg		107	70 - 138	2	20
4-Chlorotoluene	50.0	51.9		ug/Kg		104	70 - 136	2	20
Chlorodibromomethane	50.0	55.9		ug/Kg		112	70 - 146	2	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143678/6

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
1,2-Dichlorobenzene	50.0	54.6		ug/Kg		109	70 - 130	5	20
1,3-Dichlorobenzene	50.0	54.5		ug/Kg		109	70 - 131	2	20
1,4-Dichlorobenzene	50.0	54.4		ug/Kg		109	70 - 130	3	20
1,3-Dichloropropane	50.0	53.6		ug/Kg		107	70 - 140	1	20
1,1-Dichloropropene	50.0	53.9		ug/Kg		108	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	51.2		ug/Kg		102	60 - 145	0	20
Ethylene Dibromide	50.0	55.9		ug/Kg		112	70 - 140	0	20
Dibromomethane	50.0	51.3		ug/Kg		103	70 - 139	1	20
Dichlorodifluoromethane	50.0	37.0		ug/Kg		74	37 - 158	0	20
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	70 - 130	1	20
1,2-Dichloroethane	50.0	52.6		ug/Kg		105	70 - 130	1	20
1,1-Dichloroethene	50.0	44.8		ug/Kg		90	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	70 - 138	0	20
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	67 - 130	1	20
1,2-Dichloropropane	50.0	54.0		ug/Kg		108	73 - 127	4	20
cis-1,3-Dichloropropene	50.0	56.3		ug/Kg		113	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	57.8		ug/Kg		116	70 - 136	2	20
Ethylbenzene	50.0	52.0		ug/Kg		104	80 - 137	1	20
Hexachlorobutadiene	50.0	53.7		ug/Kg		107	70 - 132	3	20
2-Hexanone	250	253		ug/Kg		101	44 - 133	3	20
Isopropylbenzene	50.0	54.6		ug/Kg		109	88 - 128	1	20
4-Isopropyltoluene	50.0	53.4		ug/Kg		107	70 - 133	3	20
Methylene Chloride	50.0	48.2		ug/Kg		96	70 - 134	3	20
4-Methyl-2-pentanone (MIBK)	250	260		ug/Kg		104	60 - 160	4	20
Naphthalene	50.0	56.0		ug/Kg		112	60 - 147	1	20
N-Propylbenzene	50.0	54.4		ug/Kg		109	70 - 130	1	20
Styrene	50.0	56.9		ug/Kg		114	70 - 130	3	20
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	70 - 130	2	20
1,1,2,2-Tetrachloroethane	50.0	53.5		ug/Kg		107	70 - 146	0	20
Tetrachloroethene	50.0	51.9		ug/Kg		104	70 - 132	1	20
Toluene	50.0	51.7		ug/Kg		103	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	55.3		ug/Kg		111	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	56.0		ug/Kg		112	60 - 140	3	20
1,1,1-Trichloroethane	50.0	49.8		ug/Kg		100	70 - 130	1	20
1,1,2-Trichloroethane	50.0	56.4		ug/Kg		113	70 - 130	1	20
Trichloroethene	50.0	52.8		ug/Kg		106	70 - 133	2	20
Trichlorofluoromethane	50.0	47.0		ug/Kg		94	60 - 140	0	20
1,2,3-Trichloropropane	50.0	56.1		ug/Kg		112	70 - 146	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.7		ug/Kg		101	60 - 140	5	20
1,2,4-Trimethylbenzene	50.0	54.5		ug/Kg		109	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	53.5		ug/Kg		107	70 - 131	2	20
Vinyl acetate	50.0	57.6		ug/Kg		115	38 - 176	3	20
Vinyl chloride	50.0	46.1		ug/Kg		92	58 - 125	3	20
m-Xylene & p-Xylene	100	108		ug/Kg		108	70 - 146	2	20
o-Xylene	50.0	54.2		ug/Kg		108	70 - 140	2	20
2,2-Dichloropropane	50.0	51.2		ug/Kg		102	70 - 162	1	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143678/6

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: LCSD 720-143678/8

Matrix: Solid

Analysis Batch: 143678

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits		RPD	Limit
		Result	Qualifier				RPD	Limit		
Gasoline Range Organics (GRO) -C5-C12	1000	924		ug/Kg		92	61 - 128	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	101		58 - 140

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

Lab Sample ID: MB 720-143686/1-A

Matrix: Solid

Analysis Batch: 143743

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 143686

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		09/05/13 15:09	09/06/13 18:54	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		09/05/13 15:09	09/06/13 18:54	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Capric Acid (Surr)	0		0 - 1	09/05/13 15:09	09/06/13 18:54	1
p-Terphenyl	106		38 - 148	09/05/13 15:09	09/06/13 18:54	1

Lab Sample ID: LCS 720-143686/2-A

Matrix: Solid

Analysis Batch: 143743

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 143686

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier				RPD	Limit
Diesel Range Organics [C10-C28]	82.2	72.9		mg/Kg		89	36 - 112	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl	101		38 - 148

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

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

Lab Sample ID: LCSD 720-143686/3-A

Matrix: Solid

Analysis Batch: 143743

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 143686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.5	68.0		mg/Kg		82	36 - 112	7	35
Surrogate		%Recovery	Qualifier						
<i>p</i> -Terphenyl		100							

Lab Sample ID: 720-52038-3 MS

Matrix: Solid

Analysis Batch: 143744

Client Sample ID: BARNSS-3@0-6

Prep Type: Silica Gel Cleanup

Prep Batch: 143686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	9.2		82.5	72.6		mg/Kg		77	50 - 150
Surrogate		%Recovery		Qualifier					
<i>p</i> -Terphenyl		79							

Lab Sample ID: 720-52038-3 MSD

Matrix: Solid

Analysis Batch: 143744

Client Sample ID: BARNSS-3@0-6

Prep Type: Silica Gel Cleanup

Prep Batch: 143686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	9.2		82.7	63.1		mg/Kg		65	50 - 150	14	30
Surrogate		%Recovery		Qualifier							
<i>p</i> -Terphenyl		85									

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-143662/1-A

Matrix: Solid

Analysis Batch: 143767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endrin	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-143662/1-A

Matrix: Solid

Analysis Batch: 143767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
beta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Toxaphene	ND		40		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 11:07	09/06/13 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		57 - 122				09/05/13 11:07	09/06/13 20:36	1
DCB Decachlorobiphenyl	108		21 - 136				09/05/13 11:07	09/06/13 20:36	1

Lab Sample ID: LCS 720-143662/2-A

Matrix: Solid

Analysis Batch: 143767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143662

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aldrin	16.2	17.4		ug/Kg		107	65 - 120
Dieldrin	16.2	17.4		ug/Kg		107	72 - 120
Endrin aldehyde	16.2	16.7		ug/Kg		103	68 - 120
Endrin	16.2	17.8		ug/Kg		110	68 - 120
Endrin ketone	16.2	17.1		ug/Kg		105	67 - 120
Heptachlor	16.2	17.0		ug/Kg		105	69 - 120
Heptachlor epoxide	16.2	17.8		ug/Kg		109	68 - 120
4,4'-DDT	16.2	17.1		ug/Kg		105	63 - 127
4,4'-DDE	16.2	18.3		ug/Kg		113	70 - 120
4,4'-DDD	16.2	17.7		ug/Kg		109	69 - 120
Endosulfan I	16.2	17.4		ug/Kg		107	62 - 120
Endosulfan II	16.2	17.1		ug/Kg		105	65 - 120
alpha-BHC	16.2	16.3		ug/Kg		101	70 - 120
beta-BHC	16.2	18.2		ug/Kg		112	81 - 120
gamma-BHC (Lindane)	16.2	16.9		ug/Kg		104	72 - 120
delta-BHC	16.2	14.9		ug/Kg		92	74 - 120
Endosulfan sulfate	16.2	17.1		ug/Kg		105	67 - 120
Methoxychlor	16.2	19.1		ug/Kg		118	71 - 132
alpha-Chlordane	16.2	17.8		ug/Kg		109	70 - 120
gamma-Chlordane	16.2	17.7		ug/Kg		109	68 - 120
Surrogate		LCS	LCS				Limits
Tetrachloro-m-xylene	111						57 - 122
DCB Decachlorobiphenyl	119						21 - 136

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-143662/3-A

Matrix: Solid

Analysis Batch: 143767

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143662

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Aldrin	16.7	16.3		ug/Kg		98	65 - 120	6	20
Dieldrin	16.7	17.4		ug/Kg		104	72 - 120	0	20
Endrin aldehyde	16.7	17.5		ug/Kg		105	68 - 120	4	20
Endrin	16.7	17.8		ug/Kg		107	68 - 120	0	20
Endrin ketone	16.7	17.6		ug/Kg		105	67 - 120	3	20
Heptachlor	16.7	15.9		ug/Kg		95	69 - 120	7	20
Heptachlor epoxide	16.7	17.4		ug/Kg		104	68 - 120	2	20
4,4'-DDT	16.7	17.6		ug/Kg		106	63 - 127	3	20
4,4'-DDE	16.7	18.3		ug/Kg		110	70 - 120	0	20
4,4'-DDD	16.7	18.3		ug/Kg		110	69 - 120	3	20
Endosulfan I	16.7	17.1		ug/Kg		103	62 - 120	2	20
Endosulfan II	16.7	17.5		ug/Kg		105	65 - 120	2	35
alpha-BHC	16.7	15.3		ug/Kg		92	70 - 120	7	20
beta-BHC	16.7	17.8		ug/Kg		107	81 - 120	2	20
gamma-BHC (Lindane)	16.7	16.0		ug/Kg		96	72 - 120	6	20
delta-BHC	16.7	14.8		ug/Kg		89	74 - 120	0	20
Endosulfan sulfate	16.7	17.8		ug/Kg		107	67 - 120	4	20
Methoxychlor	16.7	19.8		ug/Kg		119	71 - 132	3	20
alpha-Chlordane	16.7	17.6		ug/Kg		105	70 - 120	1	20
gamma-Chlordane	16.7	17.5		ug/Kg		105	68 - 120	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	99		57 - 122
DCB Decachlorobiphenyl	114		21 - 136

Lab Sample ID: MB 720-143689/1-A

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143689

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Dieldrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endrin aldehyde	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endrin	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endrin ketone	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Heptachlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Heptachlor epoxide	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
4,4'-DDT	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
4,4'-DDE	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
4,4'-DDD	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endosulfan I	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endosulfan II	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
alpha-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
beta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
delta-BHC	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Endosulfan sulfate	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Methoxychlor	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-143689/1-A

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143689

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		40		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
Chlordane (technical)	ND		40		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
alpha-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1
gamma-Chlordane	ND		2.0		ug/Kg		09/05/13 15:42	09/06/13 00:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		57 - 122	09/05/13 15:42	09/06/13 00:39	1
DCB Decachlorobiphenyl	104		21 - 136	09/05/13 15:42	09/06/13 00:39	1

Lab Sample ID: LCS 720-143689/2-A

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 143689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.4	15.6		ug/Kg		95	65 - 120
Dieldrin	16.4	16.4		ug/Kg		100	72 - 120
Endrin aldehyde	16.4	16.9		ug/Kg		103	68 - 120
Endrin	16.4	16.5		ug/Kg		101	68 - 120
Endrin ketone	16.4	17.5		ug/Kg		107	67 - 120
Heptachlor	16.4	15.0		ug/Kg		91	69 - 120
Heptachlor epoxide	16.4	16.4		ug/Kg		99	68 - 120
4,4'-DDT	16.4	17.0		ug/Kg		104	63 - 127
4,4'-DDE	16.4	16.6		ug/Kg		101	70 - 120
4,4'-DDD	16.4	17.6		ug/Kg		107	69 - 120
Endosulfan I	16.4	16.1		ug/Kg		98	62 - 120
Endosulfan II	16.4	17.0		ug/Kg		103	65 - 120
alpha-BHC	16.4	14.6		ug/Kg		89	70 - 120
beta-BHC	16.4	17.8		ug/Kg		108	81 - 120
gamma-BHC (Lindane)	16.4	15.2		ug/Kg		93	72 - 120
delta-BHC	16.4	14.0		ug/Kg		85	74 - 120
Endosulfan sulfate	16.4	17.5		ug/Kg		106	67 - 120
Methoxychlor	16.4	19.3		ug/Kg		117	71 - 132
alpha-Chlordane	16.4	16.6		ug/Kg		101	70 - 120
gamma-Chlordane	16.4	16.5		ug/Kg		101	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	100		57 - 122
DCB Decachlorobiphenyl	117		21 - 136

Lab Sample ID: LCSD 720-143689/3-A

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143689

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Aldrin	16.6	15.7		ug/Kg		95	65 - 120	1	20
Dieldrin	16.6	16.5		ug/Kg		100	72 - 120	1	20
Endrin aldehyde	16.6	16.6		ug/Kg		100	68 - 120	2	20
Endrin	16.6	16.9		ug/Kg		101	68 - 120	2	20

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-143689/3-A

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 143689

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin ketone	16.6	17.5		ug/Kg		105	67 - 120	0	20
Heptachlor	16.6	15.2		ug/Kg		91	69 - 120	1	20
Heptachlor epoxide	16.6	16.7		ug/Kg		100	68 - 120	2	20
4,4'-DDT	16.6	17.2		ug/Kg		104	63 - 127	1	20
4,4'-DDE	16.6	16.7		ug/Kg		100	70 - 120	0	20
4,4'-DDD	16.6	17.8		ug/Kg		107	69 - 120	1	20
Endosulfan I	16.6	16.5		ug/Kg		99	62 - 120	2	20
Endosulfan II	16.6	17.1		ug/Kg		103	65 - 120	0	35
alpha-BHC	16.6	14.7		ug/Kg		89	70 - 120	1	20
beta-BHC	16.6	18.0		ug/Kg		108	81 - 120	1	20
gamma-BHC (Lindane)	16.6	15.4		ug/Kg		93	72 - 120	1	20
delta-BHC	16.6	14.2		ug/Kg		85	74 - 120	1	20
Endosulfan sulfate	16.6	17.4		ug/Kg		105	67 - 120	0	20
Methoxychlor	16.6	19.1		ug/Kg		115	71 - 132	1	20
alpha-Chlordane	16.6	16.8		ug/Kg		101	70 - 120	1	20
gamma-Chlordane	16.6	16.8		ug/Kg		101	68 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Tetrachloro-m-xylene	98		57 - 122
DCB Decachlorobiphenyl	115		21 - 136

Lab Sample ID: 720-52038-5 MS

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: BARNSS-5@0-6

Prep Type: Total/NA

Prep Batch: 143689

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.4	19.0		ug/Kg		116	53 - 120
Dieldrin	ND		16.4	19.1		ug/Kg		117	46 - 130
Endrin aldehyde	ND		16.4	16.2	p	ug/Kg		99	40 - 120
Endrin	ND		16.4	20.3	p	ug/Kg		124	32 - 143
Endrin ketone	ND		16.4	17.3		ug/Kg		106	40 - 120
Heptachlor	ND		16.4	18.2		ug/Kg		111	52 - 120
Heptachlor epoxide	ND		16.4	19.9	F	ug/Kg		122	40 - 120
4,4'-DDT	ND		16.4	22.4	p	ug/Kg		137	17 - 144
4,4'-DDE	ND		16.4	21.8	p F	ug/Kg		121	40 - 120
4,4'-DDD	ND		16.4	20.3	p	ug/Kg		118	40 - 120
Endosulfan I	ND		16.4	18.5	p	ug/Kg		113	40 - 120
Endosulfan II	ND		16.4	17.5	p	ug/Kg		107	40 - 120
alpha-BHC	ND		16.4	15.5		ug/Kg		95	40 - 120
beta-BHC	ND		16.4	18.9		ug/Kg		116	40 - 120
gamma-BHC (Lindane)	ND		16.4	17.8		ug/Kg		109	58 - 120
delta-BHC	ND		16.4	16.4		ug/Kg		100	40 - 120
Endosulfan sulfate	ND		16.4	18.3	p	ug/Kg		112	40 - 120
Methoxychlor	ND		16.4	14.9	p	ug/Kg		91	40 - 120
alpha-Chlordane	ND		16.4	24.3	F	ug/Kg		149	40 - 120
gamma-Chlordane	ND		16.4	22.8	F	ug/Kg		139	40 - 120

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-52038-5 MS

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: BARNSS-5@0-6

Prep Type: Total/NA

Prep Batch: 143689

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	114		57 - 122
DCB Decachlorobiphenyl	117		21 - 136

Lab Sample ID: 720-52038-5 MSD

Matrix: Solid

Analysis Batch: 143704

Client Sample ID: BARNSS-5@0-6

Prep Type: Total/NA

Prep Batch: 143689

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Aldrin	ND		16.3	18.5		ug/Kg		113	53 - 120	3	20	
Dieldrin	ND		16.3	19.3		ug/Kg		118	46 - 130	1	20	
Endrin aldehyde	ND		16.3	14.4		ug/Kg		88	40 - 120	12	20	
Endrin	ND		16.3	19.2		ug/Kg		117	32 - 143	6	20	
Endrin ketone	ND		16.3	16.3		ug/Kg		100	40 - 120	6	20	
Heptachlor	ND		16.3	18.7		ug/Kg		114	52 - 120	2	20	
Heptachlor epoxide	ND		16.3	19.8	p F	ug/Kg		121	40 - 120	0	20	
4,4'-DDT	ND		16.3	17.1	F	ug/Kg		105	17 - 144	27	20	
4,4'-DDE	ND		16.3	20.9		ug/Kg		116	40 - 120	4	20	
4,4'-DDD	ND		16.3	20.4		ug/Kg		119	40 - 120	0	20	
Endosulfan I	ND		16.3	18.4	p	ug/Kg		113	40 - 120	0	20	
Endosulfan II	ND		16.3	16.1	p	ug/Kg		99	40 - 120	8	30	
alpha-BHC	ND		16.3	16.9		ug/Kg		104	40 - 120	8	20	
beta-BHC	ND		16.3	17.5		ug/Kg		107	40 - 120	8	20	
gamma-BHC (Lindane)	ND		16.3	18.5		ug/Kg		113	58 - 120	3	20	
delta-BHC	ND		16.3	15.6		ug/Kg		96	40 - 120	5	20	
Endosulfan sulfate	ND		16.3	17.5		ug/Kg		107	40 - 120	5	20	
Methoxychlor	ND		16.3	14.1	p	ug/Kg		86	40 - 120	6	20	
alpha-Chlordane	ND		16.3	25.4	F	ug/Kg		155	40 - 120	4	20	
gamma-Chlordane	ND		16.3	22.3	p F	ug/Kg		137	40 - 120	2	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	113		57 - 122
DCB Decachlorobiphenyl	80	p	21 - 136

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-143690/1-A

Matrix: Solid

Analysis Batch: 143566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 143690

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1221	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1232	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1242	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1248	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1254	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1
PCB-1260	ND		50		ug/Kg		09/05/13 15:52	09/06/13 07:33	1

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-52038-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 720-143690/1-A
Matrix: Solid
Analysis Batch: 143566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 143690

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	103		45 - 132	09/05/13 15:52	09/06/13 07:33	1
DCB Decachlorobiphenyl	113		42 - 146	09/05/13 15:52	09/06/13 07:33	1

Lab Sample ID: LCS 720-143690/2-A
Matrix: Solid
Analysis Batch: 143566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 143690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
PCB-1016	131	131		ug/Kg		100	72 - 127	
PCB-1260	131	142		ug/Kg		108	74 - 129	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	104		45 - 132
DCB Decachlorobiphenyl	117		42 - 146

Lab Sample ID: LCSD 720-143690/3-A
Matrix: Solid
Analysis Batch: 143566

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 143690

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit
PCB-1016	133	138		ug/Kg		104	72 - 127	5	20	
PCB-1260	133	145		ug/Kg		109	74 - 129	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	107		45 - 132
DCB Decachlorobiphenyl	116		42 - 146

QC Association Summary

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

TestAmerica Job ID: 720-52038-1

GC/MS VOA

Analysis Batch: 143423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-2	BARNSS-2@12-18	Total/NA	Solid	8260B/CA_LUFT	143509
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	MS	143509
720-52038-6	BARNSS-6@12-18	Total/NA	Solid	8260B/CA_LUFT	143509
LCS 720-143423/5	Lab Control Sample	Total/NA	Solid	MS	
LCS 720-143423/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	
LCSD 720-143423/6	Lab Control Sample Dup	Total/NA	Solid	MS	
LCSD 720-143423/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT	
MB 720-143423/4	Method Blank	Total/NA	Solid	MS	

Analysis Batch: 143465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Total/NA	Solid	8260B/CA_LUFT	143515
720-52038-1 MS	BARNSS-1@0-6	Total/NA	Solid	MS	143515
720-52038-1 MSD	BARNSS-1@0-6	Total/NA	Solid	8260B/CA_LUFT	143515
720-52038-3	BARNSS-3@0-6	Total/NA	Solid	MS	143515
720-52038-4	BARNSS-4@12-18	Total/NA	Solid	8260B/CA_LUFT	143515
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	MS	143515
720-52038-7	BARNSS-7@0-6	Total/NA	Solid	8260B/CA_LUFT	143515
LCS 720-143465/6	Lab Control Sample	Total/NA	Solid	MS	
LCS 720-143465/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	
LCSD 720-143465/7	Lab Control Sample Dup	Total/NA	Solid	MS	
LCSD 720-143465/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT	
MB 720-143465/5	Method Blank	Total/NA	Solid	MS	

Prep Batch: 143509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-2	BARNSS-2@12-18	Total/NA	Solid	5030B	
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	5030B	
720-52038-6	BARNSS-6@12-18	Total/NA	Solid	5030B	

Prep Batch: 143515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Total/NA	Solid	5030B	
720-52038-1 MS	BARNSS-1@0-6	Total/NA	Solid	5030B	
720-52038-1 MSD	BARNSS-1@0-6	Total/NA	Solid	5030B	
720-52038-3	BARNSS-3@0-6	Total/NA	Solid	5030B	

TestAmerica Pleasanton

QC Association Summary

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

TestAmerica Job ID: 720-52038-1

GC/MS VOA (Continued)

Prep Batch: 143515 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-4	BARNSS-4@12-18	Total/NA	Solid	5030B	
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	5030B	
720-52038-7	BARNSS-7@0-6	Total/NA	Solid	5030B	

Analysis Batch: 143678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-8	BARNSS-8@12-16	Total/NA	Solid	8260B/CA_LUFT MS	143697
LCS 720-143678/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-143678/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-143678/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-143678/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-143678/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 143697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-8	BARNSS-8@12-16	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 143566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-9	TRANSS-1@0-6	Total/NA	Solid	8082	143690
720-52038-10	TRANSS-2@12-18	Total/NA	Solid	8082	143690
720-52038-11	TRANSS-3@0-6	Total/NA	Solid	8082	143690
LCS 720-143690/2-A	Lab Control Sample	Total/NA	Solid	8082	143690
LCSD 720-143690/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	143690
MB 720-143690/1-A	Method Blank	Total/NA	Solid	8082	143690

Prep Batch: 143662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Total/NA	Solid	3546	
720-52038-2	BARNSS-2@12-18	Total/NA	Solid	3546	
720-52038-3	BARNSS-3@0-6	Total/NA	Solid	3546	
720-52038-4	BARNSS-4@12-18	Total/NA	Solid	3546	
LCS 720-143662/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-143662/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-143662/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 143686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-2	BARNSS-2@12-18	Silica Gel Cleanup	Solid	3546	
720-52038-3	BARNSS-3@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-3 MS	BARNSS-3@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-3 MSD	BARNSS-3@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-4	BARNSS-4@12-18	Silica Gel Cleanup	Solid	3546	

TestAmerica Pleasanton

QC Association Summary

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

TestAmerica Job ID: 720-52038-1

GC Semi VOA (Continued)

Prep Batch: 143686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-5	BARNSS-5@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-6	BARNSS-6@12-18	Silica Gel Cleanup	Solid	3546	
720-52038-7	BARNSS-7@0-6	Silica Gel Cleanup	Solid	3546	
720-52038-8	BARNSS-8@12-16	Silica Gel Cleanup	Solid	3546	
LCS 720-143686/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-143686/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-143686/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Prep Batch: 143689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	3546	
720-52038-5 MS	BARNSS-5@0-6	Total/NA	Solid	3546	
720-52038-5 MSD	BARNSS-5@0-6	Total/NA	Solid	3546	
720-52038-6	BARNSS-6@12-18	Total/NA	Solid	3546	
720-52038-7	BARNSS-7@0-6	Total/NA	Solid	3546	
720-52038-8	BARNSS-8@12-16	Total/NA	Solid	3546	
LCS 720-143689/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-143689/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-143689/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 143690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-9	TRANSS-1@0-6	Total/NA	Solid	3546	
720-52038-10	TRANSS-2@12-18	Total/NA	Solid	3546	
720-52038-11	TRANSS-3@0-6	Total/NA	Solid	3546	
LCS 720-143690/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-143690/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-143690/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 143704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-5	BARNSS-5@0-6	Total/NA	Solid	8081A	143689
720-52038-5 MS	BARNSS-5@0-6	Total/NA	Solid	8081A	143689
720-52038-5 MSD	BARNSS-5@0-6	Total/NA	Solid	8081A	143689
720-52038-6	BARNSS-6@12-18	Total/NA	Solid	8081A	143689
720-52038-8	BARNSS-8@12-16	Total/NA	Solid	8081A	143689
LCS 720-143689/2-A	Lab Control Sample	Total/NA	Solid	8081A	143689
LCSD 720-143689/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	143689
MB 720-143689/1-A	Method Blank	Total/NA	Solid	8081A	143689

Analysis Batch: 143719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-2	BARNSS-2@12-18	Silica Gel Cleanup	Solid	8015B	143686
720-52038-4	BARNSS-4@12-18	Silica Gel Cleanup	Solid	8015B	143686
720-52038-5	BARNSS-5@0-6	Silica Gel Cleanup	Solid	8015B	143686
720-52038-6	BARNSS-6@12-18	Silica Gel Cleanup	Solid	8015B	143686

Analysis Batch: 143743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Silica Gel Cleanup	Solid	8015B	143686
720-52038-8	BARNSS-8@12-16	Silica Gel Cleanup	Solid	8015B	143686

TestAmerica Pleasanton

QC Association Summary

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

TestAmerica Job ID: 720-52038-1

GC Semi VOA (Continued)

Analysis Batch: 143743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-143686/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	143686
LCSD 720-143686/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	143686
MB 720-143686/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	143686

Analysis Batch: 143744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-3	BARNSS-3@0-6	Silica Gel Cleanup	Solid	8015B	143686
720-52038-3 MS	BARNSS-3@0-6	Silica Gel Cleanup	Solid	8015B	143686
720-52038-3 MSD	BARNSS-3@0-6	Silica Gel Cleanup	Solid	8015B	143686
720-52038-7	BARNSS-7@0-6	Silica Gel Cleanup	Solid	8015B	143686

Analysis Batch: 143767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-1	BARNSS-1@0-6	Total/NA	Solid	8081A	143662
720-52038-2	BARNSS-2@12-18	Total/NA	Solid	8081A	143662
720-52038-3	BARNSS-3@0-6	Total/NA	Solid	8081A	143662
720-52038-4	BARNSS-4@12-18	Total/NA	Solid	8081A	143662
LCS 720-143662/2-A	Lab Control Sample	Total/NA	Solid	8081A	143662
LCSD 720-143662/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	143662
MB 720-143662/1-A	Method Blank	Total/NA	Solid	8081A	143662

Analysis Batch: 143817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52038-7	BARNSS-7@0-6	Total/NA	Solid	8081A	143689

Lab Chronicle

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-1@0-6

Lab Sample ID: 720-52038-1

Date Collected: 08/30/13 09:10

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143515	09/03/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143465	09/03/13 14:28	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	143743	09/06/13 17:26	DCH	TAL PLS
Total/NA	Prep	3546			143662	09/05/13 11:07	NVP	TAL PLS
Total/NA	Analysis	8081A		1	143767	09/06/13 23:41	JZT	TAL PLS

Client Sample ID: BARNSS-2@12-18

Lab Sample ID: 720-52038-2

Date Collected: 08/30/13 09:20

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143509	08/30/13 18:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143423	08/31/13 03:48	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	143719	09/06/13 21:29	DCH	TAL PLS
Total/NA	Prep	3546			143662	09/05/13 11:07	NVP	TAL PLS
Total/NA	Analysis	8081A		1	143767	09/06/13 23:57	JZT	TAL PLS

Client Sample ID: BARNSS-3@0-6

Lab Sample ID: 720-52038-3

Date Collected: 08/30/13 09:40

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143515	09/03/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143465	09/03/13 14:57	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	143744	09/06/13 17:56	DCH	TAL PLS
Total/NA	Analysis	8081A		1	143767	09/07/13 00:14	JZT	TAL PLS
Total/NA	Prep	3546			143662	09/05/13 11:07	NVP	TAL PLS

Client Sample ID: BARNSS-4@12-18

Lab Sample ID: 720-52038-4

Date Collected: 08/30/13 09:50

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143515	09/03/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143465	09/03/13 15:26	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	143719	09/06/13 18:13	DCH	TAL PLS
Total/NA	Prep	3546			143662	09/05/13 11:07	NVP	TAL PLS
Total/NA	Analysis	8081A		1	143767	09/07/13 00:31	JZT	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-5@0-6

Lab Sample ID: 720-52038-5

Date Collected: 08/30/13 09:17

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143509	08/30/13 18:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143423	08/31/13 05:15	ASC	TAL PLS
Total/NA	Prep	5030B			143515	09/03/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143465	09/03/13 15:55	ASC	TAL PLS
Total/NA	Prep	3546			143689	09/05/13 15:42	DBT	TAL PLS
Total/NA	Analysis	8081A		1	143704	09/06/13 02:03	JZT	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	143719	09/06/13 19:51	DCH	TAL PLS

Client Sample ID: BARNSS-6@12-18

Lab Sample ID: 720-52038-6

Date Collected: 08/30/13 09:55

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143509	08/30/13 18:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143423	08/31/13 05:44	ASC	TAL PLS
Total/NA	Prep	3546			143689	09/05/13 15:42	DBT	TAL PLS
Total/NA	Analysis	8081A		1	143704	09/06/13 02:20	JZT	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	143719	09/06/13 18:38	DCH	TAL PLS

Client Sample ID: BARNSS-7@0-6

Lab Sample ID: 720-52038-7

Date Collected: 08/30/13 10:05

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143515	09/03/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143465	09/03/13 16:24	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		2	143744	09/06/13 19:23	DCH	TAL PLS
Total/NA	Prep	3546			143689	09/05/13 15:42	DBT	TAL PLS
Total/NA	Analysis	8081A		50	143817	09/08/13 23:09	JZT	TAL PLS

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Date Collected: 08/30/13 09:42

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			143697	09/05/13 19:14	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	143678	09/05/13 23:05	YYB	TAL PLS
Total/NA	Prep	3546			143689	09/05/13 15:42	DBT	TAL PLS
Total/NA	Analysis	8081A		1	143704	09/06/13 02:53	JZT	TAL PLS
Silica Gel Cleanup	Prep	3546			143686	09/05/13 15:09	DFR	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

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

TestAmerica Job ID: 720-52038-1

Client Sample ID: BARNSS-8@12-16

Lab Sample ID: 720-52038-8

Date Collected: 08/30/13 09:42

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Analysis	8015B		1	143743	09/06/13 19:23	DCH	TAL PLS

Client Sample ID: TRANSS-1@0-6

Lab Sample ID: 720-52038-9

Date Collected: 08/30/13 09:30

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			143690	09/05/13 15:52	DBT	TAL PLS
Total/NA	Analysis	8082		1	143566	09/06/13 08:06	JZT	TAL PLS

Client Sample ID: TRANSS-2@12-18

Lab Sample ID: 720-52038-10

Date Collected: 08/30/13 10:00

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			143690	09/05/13 15:52	DBT	TAL PLS
Total/NA	Analysis	8082		1	143566	09/06/13 01:59	JZT	TAL PLS

Client Sample ID: TRANSS-3@0-6

Lab Sample ID: 720-52038-11

Date Collected: 08/30/13 09:26

Matrix: Solid

Date Received: 08/30/13 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			143690	09/05/13 15:52	DBT	TAL PLS
Total/NA	Analysis	8082		1	143566	09/06/13 02:16	JZT	TAL PLS

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 720-52038-1

Laboratory: TestAmerica Pleasanton

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

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

TestAmerica Job ID: 720-52038-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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



Sample Summary

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

TestAmerica Job ID: 720-52038-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-52038-1	BARNSS-1@0-6	Solid	08/30/13 09:10	08/30/13 16:16
720-52038-2	BARNSS-2@12-18	Solid	08/30/13 09:20	08/30/13 16:16
720-52038-3	BARNSS-3@0-6	Solid	08/30/13 09:40	08/30/13 16:16
720-52038-4	BARNSS-4@12-18	Solid	08/30/13 09:50	08/30/13 16:16
720-52038-5	BARNSS-5@0-6	Solid	08/30/13 09:17	08/30/13 16:16
720-52038-6	BARNSS-6@12-18	Solid	08/30/13 09:55	08/30/13 16:16
720-52038-7	BARNSS-7@0-6	Solid	08/30/13 10:05	08/30/13 16:16
720-52038-8	BARNSS-8@12-16	Solid	08/30/13 09:42	08/30/13 16:16
720-52038-9	TRANSS-1@0-6	Solid	08/30/13 09:30	08/30/13 16:16
720-52038-10	TRANSS-2@12-18	Solid	08/30/13 10:00	08/30/13 16:16
720-52038-11	TRANSS-3@0-6	Solid	08/30/13 09:26	08/30/13 16:16

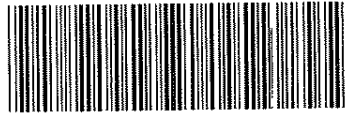


720-52038

CHAIN OF CUSTODY RECORD

148331 1/1

PROJECT NUMBER: 7828.000.001		PROJECT NAME: Jordan Ranch					PCB (8082)	TPH-g (8260)	TPH-d/mo (w/silica gel)	VOC (8260)	OCP (8081)	REMARKS REQUIRED DETECTION LIMITS
SAMPLED BY: (SIGNATURE/PRINT) Richard Gandolfo												
PROJECT MANAGER: Morgan Johnson (mjohnson@engeo.com)												
ROUTING: E-MAIL mjohnson@engeo.com						Hard Copy	No					
SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE						
BarnSS-1@0-6	8-30-13	9:10	S	1	2x6 SS	ice		x	x	x	x	
BarnSS-2@12-18		9:20	S	1	poly	ice		x	x	x	x	
BarnSS-3@0-6		9:40	S	1	2x6 SS	ice		x	x	x	x	
BarnSS-4@12-18		9:50	S	1	poly	ice		x	x	x	x	
BarnSS-5@0-6		9:17	S	1	2x6 SS	ice		x	x	x	x	
BarnSS-6@12-18		9:55	S	1	poly	ice		x	x	x	x	
BarnSS-7@0-6		10:05	S	1	2x6 SS	ice		x	x	x	x	
BarnSS-8@12-16		9:42	S	1	poly	ice		x	x	x	x	
TranSS-1@0-6		9:20	S	1	2x6 SS	ice	x					
TranSS-2@12-18		10:00	S	1	poly	ice	x					
TranSS-3@0-6		9:26	S	1	2x6 SS	ice	x					



720-52038 Chain of Custody

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE/TIME 8-30-13 4:16	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Loren Mulley</i>	DATE/TIME 8-30-13 166	REMARKS F-day TAT 5.72	



2010 CROW CANYON PL (STE 250)
SAN RAMON, CALIFORNIA 94583
(925) 837-2973 FAX (888) 279-2698
WWW.ENGEO.COM

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-52038-1

Login Number: 52038

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

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