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Alameda County
Environmental Health

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES

Project No.
7584.P.001.01

March 15, 2007

Mr. Robert Strong
500 Bollinger Canyon Way, Suite A4
San Ramon, CA 94583

Subject: 224 Rickenbacker Circle
Livermore, California

SOIL AND GROUNDWATER SAMPLING RESULTS

References:
1. ENGEO Inc., Revised Work Plan for Soil and Groundwater Sampling; 224 Rickenbacker Circle, Livermore, California; Revised December 26, 2006; Project No. 7584.P.001.01.

2. ENGEO Inc., Interim Site Characterization Report; 224 Rickenbacker Circle, Livermore, California; February 9, 2007; Project No. 7584.P.001.01.

Dear Mr. Strong:

ENGEO Incorporated is pleased to present our findings regarding Task 2, soil and groundwater sampling, completed for 224 Rickenbacker Circle (Property) in Livermore, California (Figure 1). The Property is currently developed for commercial use. Surrounding properties are comprised of commercial development. The Livermore Municipal Airport is located approximately ½ mile west of the Property.

SITE HISTORY

The Property was formerly operated as a dry cleaning facility that utilized a tetrachloroethene (PCE)-based machine. According to the property owner, approximately 10 years ago the PCE-based machine was replaced by an Exxon DF2000 clean solvent machine and subsequently a silicon-based machine. All equipment was removed from the building in October 2005. Based on a site reconnaissance, a former boiler room was located in the southeastern corner of the building and a conventional washing machine pad with a grated drain was observed just north of the boiler room. A concrete patch was visible on the floor, as indicated on Figure 2, which is the assumed sanitary sewer alignment. A sanitary sewer cleanout was visible between the building and Rickenbacker Circle.

In October 2005, JMK Environmental Solutions, Inc. advanced three soil borings to a depth of approximately 35 feet below the ground surface and recovered soil samples from each boring.

Analytical results of the soil samples indicated the presence of PCE to the maximum depth explored in the two borings nearest the dry cleaning machine location. Based on review of the laboratory results for the soil samples, several samples exhibited concentrations of PCE in excess of the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for vapor intrusion. Groundwater was not encountered during the investigation, and therefore, no groundwater samples were collected.

A copy of the report prepared by JMK Environmental Solutions, Inc. was submitted to the Alameda County Health Services Agency along with a request for Site/Case Closure. Alameda County issued a letter dated July 6, 2006, in response to the request for case closure, requesting a work plan to delineate the extents of contamination at the Property.

In February 2007, ENGEO submitted an interim site characterization report to Alameda County Environmental Health (ACEH). The report included results of a soil vapor assessment as requested by ACEH as the first part of additional site characterization. Results from the soil vapor assessment indicated elevated concentrations of volatile organic compounds (VOCs). Based on the results of the survey, five boring locations were approved by ACEH to delineate the extents of the PCE-impacted soil and possible groundwater impact. The boring locations were selected based on previous soil data presented by JMK Environmental, results of soil gas survey, and to address potential uncertainty in the direction of groundwater flow

SCOPE OF SERVICES

The scope of work for Task 2 included soil and groundwater sampling at five locations on the Property. The purpose of the soil and groundwater sampling was to delineate the extents of the PCE-impacted soil and determine whether groundwater at the Property has been adversely impacted.

The scope of services provided by ENGEO consisted of the following:

- Notifying Underground Service Alert to identify known subsurface utilities.
- Use of a private utility locator to identify any subsurface utilities within proposed exploration locations.
- Recovery of soil and groundwater samples at five locations (Figure 2).
- Field screening of the soil samples for organic vapors during drilling activities using a photoionization detector.
- Recovery of grab groundwater samples from each of the five borings.

- Analysis of the selected soil samples and groundwater samples for Volatile Organic Compounds (VOCs) and total petroleum hydrocarbons as gasoline, diesel, and motor oil.

- Preparation of this final letter report documenting the field and laboratory activities.

FIELD ACTIVITIES, LABORATORY TESTING, AND RESULTS

Prior to the start of work, boring locations were marked in the field and Underground Service Alert (USA) was contacted for underground utility clearance. Additionally, a private utility locator was contracted to identify any potential subsurface utilities within the proposed exploration locations.

Soil Sampling

Field sampling was conducted on March 1 and 2, 2007, using a Geoprobe™ direct-push sampling rig. A total of five borings were advanced to a maximum depth of 35 feet. The boring locations, labeled S-1 through S-5, are presented in Figure 2. The borings were logged in the field by an ENGEO Staff Engineer, and are presented in Appendix A.

The Geoprobe™ was used to recover soil samples in 1½-inch-diameter sample cores in clear acrylic tubes. The acrylic sampling tubes were then cut to collect the soil sample at the desired depth. During sampling, retrieved soils were screened for organic vapors using a portable photoionization detector. All sampling equipment was regularly decontaminated using appropriate controls and protocols. Soil samples for analyses were sealed with Teflon sheets secured by tight fitting plastic end caps and tape, and were labeled to indicate a unique sample number, sample location, and time and date collected.

The soil samples were analyzed for the following:

- Total Petroleum Hydrocarbons (TPH) as diesel and motor oil by EPA Method 8015B.
- Volatile Organic Compounds (VOCs) by EPA Method 8260B.

The laboratory analytical reports prepared by Severn Trent Laboratories, Inc. (STL) are included in Appendix B. A summary of the soil analytical results are presented in Tables 1 and 2.

Several VOCs were detected in the recovered soil samples including acetone, *cis* 1,2 dichloroethene, *trans*-1,2-dichloroethene, trichloroethene, and PCE. Acetone was detected in sample S-3 at a depth of 4 feet below the ground surface (bgs) and a concentration of 0.049 mg/kg. In sample S-3 at 2 and 4 feet bgs, *cis*-1,2-dichloroethene was detected at concentrations of 0.054 mg/kg to 0.061 mg/kg and *trans*-1,2-dichloroethene was detected at concentrations of 0.015 mg/kg to 0.0065 mg/kg, respectively. PCE was detected in sample S-3 at depths of 4 and 8 feet bgs at concentrations of 0.013 mg/kg and 0.0066 mg/kg respectively.

Additionally, PCE was detected at concentrations ranging from 0.012 to 0.079 mg/kg in sample S-3 at 4, 8, and 10 feet bgs. No VOCs were reported above laboratory detection limits for samples S-1, S-2, S-3, S-4 and S-5 at the saturated zone.

Total Petroleum Hydrocarbons (TPH) as diesel were reported at concentrations ranging from 1 to 13 mg/kg at sampling locations S-2, S-3, and S-5. TPH as gasoline was reported at a concentration of 0.33 mg/kg at sample location S-3 at a depth of 2 feet bgs. TPH as motor oil was not reported above laboratory detection limits in any of the samples.

The reported concentrations for VOCs are below the San Francisco Regional Water Quality Control Board's environmental screening levels (ESLs) for commercial soil to indoor air (Table E-1b) and screening levels for commercial land use where groundwater is a current or potential drinking water resource (Tables A-2 and C-2). Additionally, the reported concentrations for TPH as diesel and motor oil did not exceed the ESLs for commercial direct exposure, and would not be expected to impact commercial use of the property.

Groundwater Sampling

Groundwater samples were recovered from sample locations S-1 through S-5 following completion of the borings. Temporary casing was advanced in the borehole and grab-groundwater samples were recovered using a dedicated polyethylene tube equipped with a check valve. Following recovery, the groundwater samples were decanted into appropriate laboratory glassware. The samples were labeled to indicate a unique sample number, sample location, and time and date collected. All soil and groundwater samples were placed in an ice-cooled chest for delivery to STL in Pleasanton, California.

The groundwater samples were analyzed for the following:

- Total Petroleum Hydrocarbons (TPH) as diesel and motor oil by EPA Method 8015B.
- Volatile Organic Compounds (VOCs) by EPA Method 8260B.

The laboratory analytical reports prepared by Severn Trent Laboratories, Inc. (STL) are included in Appendix B. A summary of the groundwater analytical results are presented in Table 3.

VOCs detected in the groundwater samples include *cis*-1,2-dichloroethene, trichloroethene, toluene, and PCE. *Cis*-1,2-dichloroethene was reported in samples S-3 and S-5 at concentrations of 1.6 micrograms per liter (µg/L) and 0.54 µg/L. Additionally, trichloroethene was reported in sample S-3 and S-5 at concentrations of 2 µg/L and 2.2 µg/L respectively. Analytical results indicated the presence of toluene in samples S-3 through S-5 at concentrations ranging from 0.86 µg/L to 1.8 µg/L. PCE was reported in samples S-2 through S-5 at concentrations ranging from 1.8 µg/L (sample S-2) to 36 µg/L (sample S-5).

Total Petroleum Hydrocarbons (TPH) as diesel was reported at sample location S-4 at a concentration of 70 µg/L. TPH as gasoline and TPH as motor oil were not reported above laboratory detection limits in any of the groundwater samples.

PCE was reported at concentrations exceeding the Maximum Contaminant Level (MCL) of 5 µg/L as established by the California Department of Health Services in samples S-3, S-4 and S-5. All other VOCs were reported at concentrations below their respective MCLs. Additionally, the reported concentration of TPH as diesel did not exceed the ESLs for groundwater as a potential drinking water source.

CONCLUSIONS

Several VOCs and total petroleum hydrocarbon as diesel were detected in the soil at the Property at concentrations below the environmental screening levels established by the SFRWQCB for commercial soil to indoor air (Table E-1b) and for commercial land use where groundwater is a current or potential drinking water resource (Tables A-2 and C-2). Soil impacts are generally limited to the area in the vicinity of the former dry cleaning machine and to a depth of approximately 10 feet.

Additionally, several VOCs were detected in the groundwater beneath the Property. Reported concentrations of PCE exceed the Maximum Contaminant Level of 5 ug/L as established by the California Department of Health Services. However, as discussed below, there does not appear to be any active wells downgradient of the Property.

Direction of groundwater flow was not determined as part of this study; however, a review of quarterly groundwater data from a service station located approximately 1 mile east-southeast, indicated that groundwater flows in the north-northeasterly direction, and Zone 7 Water Agency reports that groundwater in the vicinity of the Property appears to flow toward the southwest. The reported contaminant concentrations from this study suggest that groundwater flows toward the southwest. The minor detection of PCE noted in the up-gradient boring location suggests minor leakage along the sanitary sewer alignment.

A request was submitted to Zone 7 to provide a ½-mile radius well search. The map indicating the location of wells in the vicinity of the Property, as provided by Zone 7, is included as Appendix C. Based on the provided map, two wells, one destroyed and one abandoned water supply well, are located approximately 360 feet southeast of the Property. The closest active well, a monitoring well, is located approximately 1550 feet west-southwest of the Property. Based on the provided map, there does not appear to be any active wells directly downgradient of the Property.

Based on the analytical results from the soil gas survey, the soil sampling, and the groundwater sampling, historic use of the Property as a dry cleaner does not appear to pose a risk to use of the building for commercial use.

LIMITATIONS

We performed our professional services in accordance with generally accepted environmental engineering principles and practices currently employed in Northern California at the time of this report. No other warranty is expressed or implied.

We limited our investigation to the authorized scope of work. Our investigation is not intended to be comprehensive, to identify all potential concerns, or to guarantee that no additional environmental contamination beyond that described in this report exists at the site.

The findings in this report are valid as of the time of the investigation; however, changes in subsurface conditions can occur over time, whether due to natural processes or human activity on the Property or on surrounding properties. ENGEO Incorporated has prepared this report for the exclusive use of Mr. Robert Strong. It is recognized and agreed that ENGEO has assumed responsibility only for undertaking the study for the client. The responsibility for disclosures or reports to a third party and for remedial or mitigative action shall be solely that of the Client.

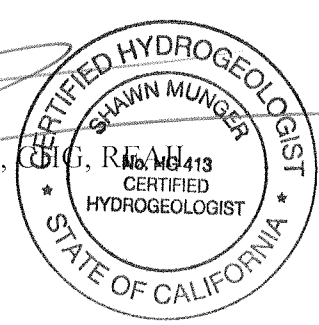
We appreciate the opportunity to be of continued service to you on this project. If you have any questions, please contact us.

Very truly yours,

ENGEO INCORPORATED

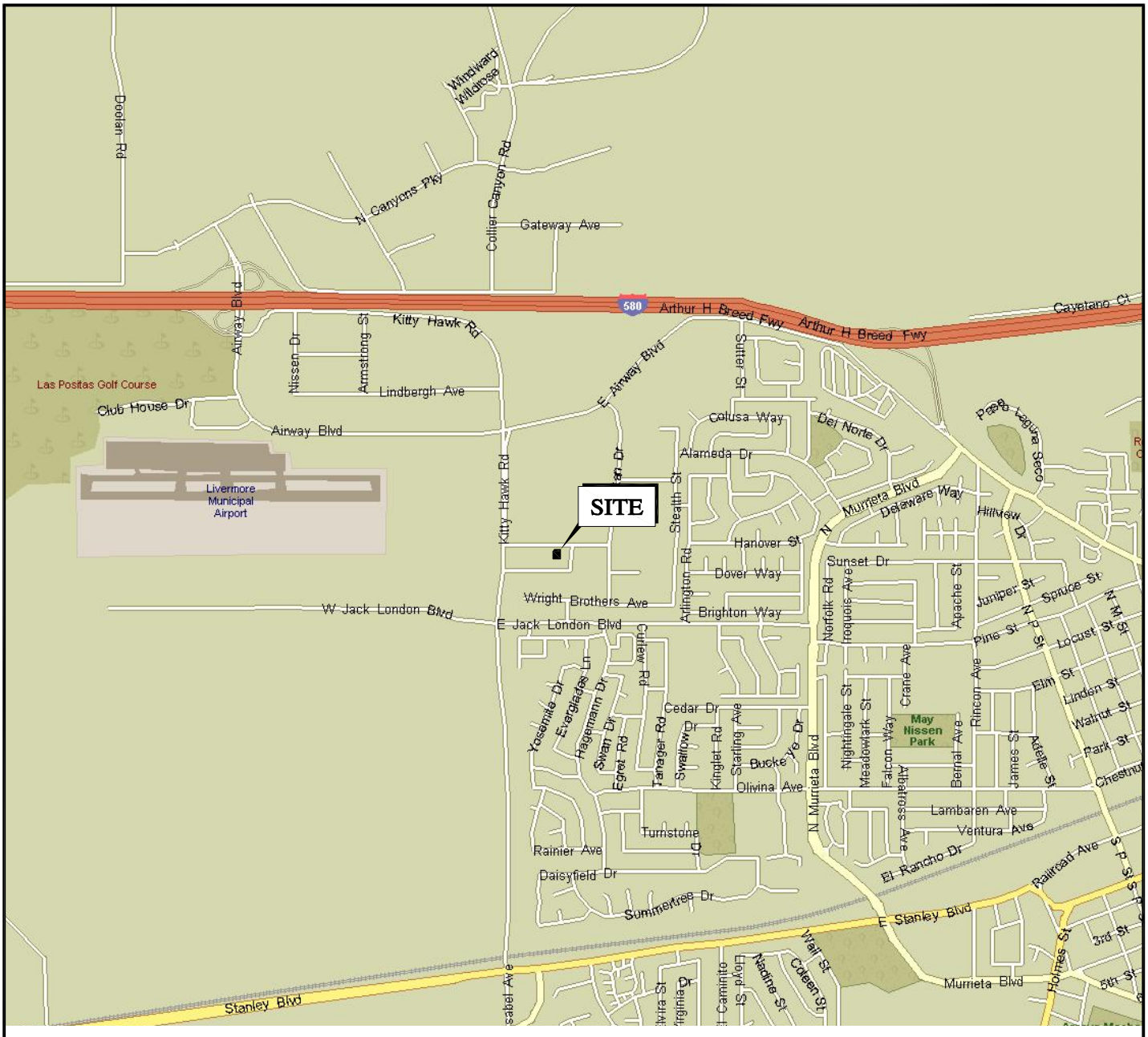
Kelly Krohn
kk/jb:smplreslts

Shawn Munger, CEG, REAH



Attachments: Figures
Tables 1 through 4
Appendix A – Boring Logs
Appendix B – Severn Trent Laboratories, Inc., Laboratory Test Results
Appendix C – Zone 7 Water Agency, Well Search Results

LIST OF FIGURES



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0 FEET 2000

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BASE MAP SOURCE: MS STREETS AND TRIPS

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VICINITY MAP

224 RICKENBACKER CIRCLE

LIVERMORE, CALIFORNIA

PROJECT NO.: 7584.P.001.01		FIGURE NO. 1
DATE: MARCH 2007		
DRAWN BY: RJS	CHECKED BY: SM	

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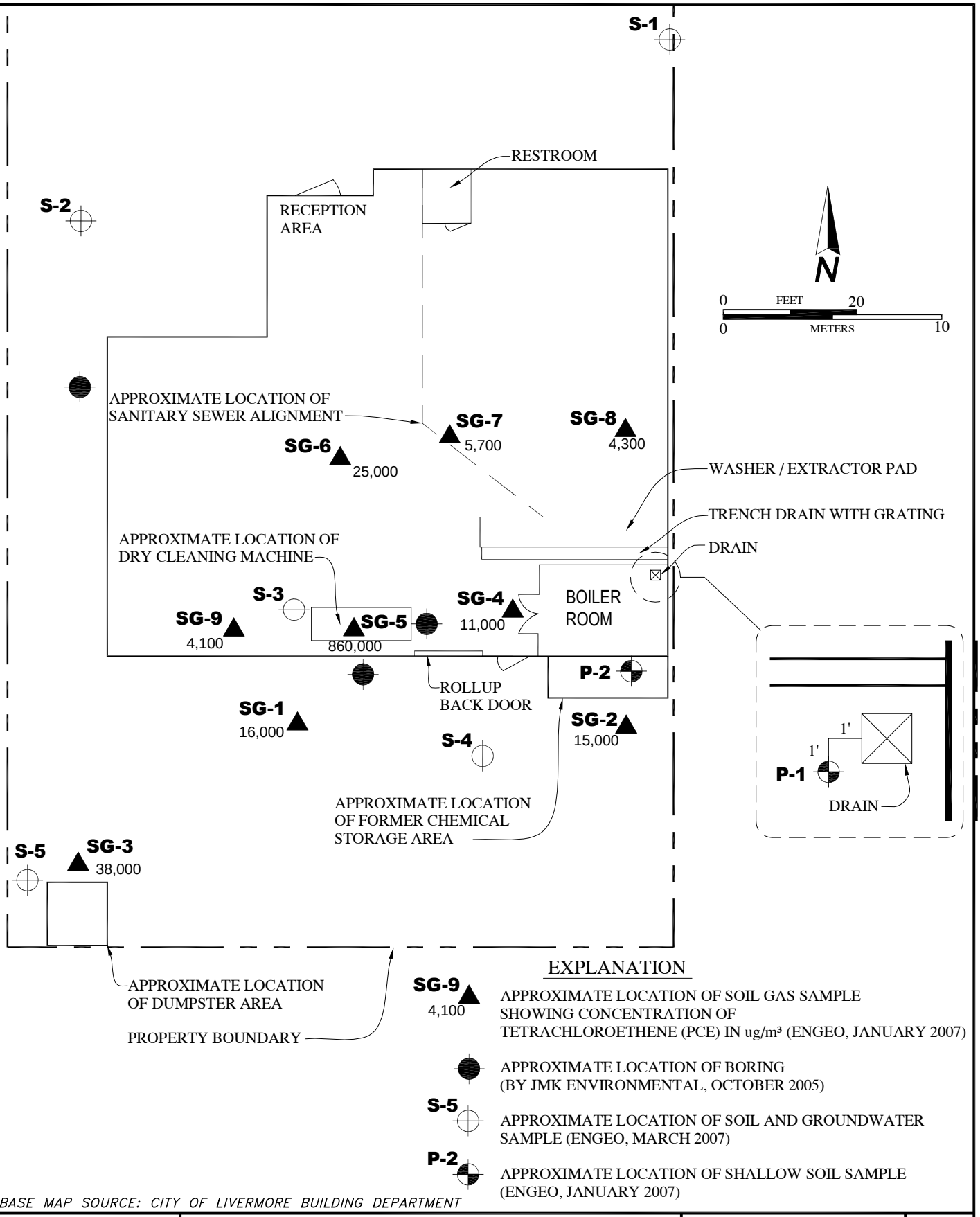
ORIGINAL FIGURE PRINTED IN COLOR



EXPLANATION

- SG-9 ▲ 4,100 — APPROXIMATE LOCATION OF SOIL GAS SAMPLE SHOWING CONCENTRATION OF TETRACHLOROETHENE (PCE) IN ug/m³ (ENGEO, JANUARY 2007)
- ● — APPROXIMATE LOCATION OF BORING (BY JMK ENVIRONMENTAL, OCTOBER 2005)
- S-5 ⊕ — APPROXIMATE LOCATION OF SOIL AND GROUNDWATER SAMPLE (ENGEO, MARCH 2007)
- P-2 ⊕ — APPROXIMATE LOCATION OF SHALLOW SOIL SAMPLE (ENGEO, JANUARY 2007)

BASE MAP SOURCE: CITY OF LIVERMORE BUILDING DEPARTMENT

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SITE PLAN

224 RICKENBACKER CIRCLE

LIVERMORE, CALIFORNIA

PROJECT NO.: 7584.P.001.01		FIGURE NO. 2
DATE: MARCH 2007		
DRAWN BY: RJS	CHECKED BY: SM	

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ORIGINAL FIGURE PRINTED IN COLOR

TABLES

TABLE 1. SHALLOW SOIL DATA

	SFRWQCB	P-1	P-1	P-2	P-2	S-3@2'	S-3@4'	S-3@8'
		Soil	Soil	Soil	Soil	Soil	Soil	Soil
	ESL	1 ft	5 ft	1 ft	5 ft	2 ft	4 ft	8 ft
		1/22/2007	1/22/2007	1/22/2007	1/22/2007	3/1/2007	3/1/2007	3/1/2007
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TARGET ANALYTE								
VOCs	**TABLE A-2**							
ACETONE	0.5	0.062	<0.049	<0.050	<0.047	<0.048	0.049	<0.048
DICHLOROETHENE, cis-1-2-	0.19	<0.0048	<0.0049	<0.0050	<0.0047	0.054	0.061	<0.0048
TETRACHLOROETHENE	0.24	<0.0048	0.0055	<0.0050	<0.0047	<0.0048	0.012	0.079
DICHLOROETHENE, trans-1,2-	0.67	<0.0048	<0.0049	<0.0050	<0.0047	0.0065	0.015	<0.0048
TRICHLOROETHENE	0.46	<0.0048	<0.0049	<0.0050	<0.0047	<0.0048	0.013	0.0066
PETROLEUM HYDROCARBONS	**TABLE K-2**							
TPH-RESIDUAL FUELS	1000	<48	1000	<49	<50	<47	<46	<48
TPH-MIDDLE DISTILLATES	100	2.6	**190**	2.9	<0.99	4.5	1	<0.96
TPH-GASOLINE	100	<0.24	<0.23	<0.24	<0.25	0.33	<0.23	<0.24

TABLE 2. SUBSURFACE SOIL DATA

	SFRWQCB	S-1@24'	S-2@26'	S-3@10'	S-3@27'	S-4@25'	S-5@30'
		Soil	Soil	Soil	Soil	Soil	Soil
	ESL	24 ft	26 ft	10 ft	27 ft	25 ft	30 ft
		3/2/2007	3/2/2007	3/1/2007	3/1/2007	3/1/2007	3/1/2007
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TARGET ANALYTE							
VOCs	**TABLE C-2**						
ACETONE	0.5	<0.045	<0.049	<0.050	<0.047	<0.049	<0.048
DICHLOROETHENE, cis-1-2-	0.19	<0.0045	<0.0049	<0.0050	<0.0047	<0.0049	<0.0048
TETRACHLOROETHENE	0.24	<0.0045	<0.0049	0.023	<0.0047	<0.0049	<0.0048
DICHLOROETHENE, trans-1,2-	0.67	<0.0045	<0.0049	<0.0050	<0.0047	<0.0049	<0.0048
TRICHLOROETHENE	0.46	<0.0045	<0.0049	<0.0050	<0.0047	<0.0049	<0.0048
PETROLEUM HYDROCARBONS	**TABLE C-2**						
TPH-RESIDUAL FUELS	1000	<48	<48	<47	<49	<49	<46
TPH-MIDDLE DISTILLATES	100	<0.96	11	13	<0.99	<0.98	1
TPH-GASOLINE	100	<0.24	<0.22	<0.24	<0.22	<0.25	<0.22

TABLE 3. GROUNDWATER DATA

		S-1	S-2	S-3	S-4	S-5
	MCL	Water	Water	Water	Water	Water
		3/2/2007	3/2/2007	3/1/2007	3/1/2007	3/1/2007
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TARGET ANALYTE						
VOCs						
DICHLOROETHENE, cis-1-2-	6	<1.0	<1.0	1.6	<0.50	0.54
TETRACHLOROETHENE	5	<1.0	1.8	**27**	**16**	**36**
TOLUENE	150	<1.0	<1.0	0.86	0.96	1.8
DICHLOROETHENE, trans-1,2-	10	<1.0	<1.0	<0.50	<0.50	<0.50
TRICHLOROETHENE	5	<1.0	<1.0	2.2	<0.50	2
PETROLEUM HYDROCARBONS						
TPH-RESIDUAL FUELS	100	<500	<500	<500	<500	<500
TPH-MIDDLE DISTILLATES	100	<50	<50	<50	70	<50
TPH-GASOLINES	100	<50	<50	<50	<50	<50

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards set by the EPA.

TABLE 4. SOIL GAS DATA

	SFRWQCB	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SG-7	SG-8	SG-9
		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
	ESL	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft	5 ft
		1/22/2007	1/22/2007	1/22/2007	1/22/2007	1/22/2007	1/22/2007	1/22/2007	1/22/2007	1/22/2007
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
TARGET ANALYTE										
VOCs	**TABLE E-2**									
BENZENE	290	<100	<100	<100	<100	<100	<100	100	<100	<100
DICHLOROETHENE, 1,1-	120000	<100	<100	<100	<100	4700	<100	<100	<100	<100
DICHLOROETHENE, cis-1-2-	20000	<100	<100	17000	450	**780,000 (50)**	<100	470	<100	1700
DICHLOROETHENE, trans-1,2-	41000	<100	<100	4000	210	**140,000 (50)**	<100	<100	<100	500
*DIFLOUROETHANE, 1,1-	N/A	<100	<100	<100	<100	<100	<100	<100	<100	<100
ETHYLBENZENE	1200000	<100	<100	<100	<100	<100	<100	120	<100	<100
TOLUENE	180000	<100	320	220	210	<100	250	550	270	270
TETRACHLOROETHENE	1400	**16000**	**15000**	**38000**	**11000**	**860,000 (50)**	**25000**	**5700**	**4300**	**4100**
TRICHLOROETHENE	4100	150	480	**18000**	1200	**4,600,000 (50)**	1300	3000	310	3100
VINYL CHLORIDE	110	<100	<100	<100	<100	**1800**	<100	<100	<100	<100
XYLENE(S)	410000	<100	120	<100	<100	<100	<100	450	100	130

* LEAK CHECK COMPOUND

(NUM) - DILUTION FACTOR FOR COMPOUND

APPENDIX A

ENGEO INCORPORATED

Boring Logs

KEY TO BORING LOGS

MAJOR TYPES			DESCRIPTION
COARSE-GRAINED SOILS MORE THAN HALF OF MAT'L LARGER THAN #200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW - Well graded gravels or gravel-sand mixtures GP - Poorly graded gravels or gravel-sand mixtures
		GRAVELS WITH OVER 12 % FINES	GM - Silty gravels, gravel-sand and silt mixtures GC - Clayey gravels, gravel-sand and clay mixtures
	SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LITTLE OR NO FINES	SW - Well graded sands, or gravelly sand mixtures SP - Poorly graded sands or gravelly sand mixtures
		SANDS WITH OVER 12 % FINES	SM - Silty sand, sand-silt mixtures SC - Clayey sand, sand-clay mixtures
FINE-GRAINED SOILS MORE THAN HALF OF MAT'L SMALLER THAN #200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50 % OR LESS		ML - Inorganic silt with low to medium plasticity CL - Inorganic clay with low to medium plasticity OL - Low plasticity organic silts and clays
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50 %		MH - Inorganic silt with high plasticity CH - Inorganic clay with high plasticity OH - Highly plastic organic silts and clays
	HIGHLY ORGANIC SOILS		PT - Peat and other highly organic soils

GRAIN SIZES

U.S. STANDARD SERIES SIEVE SIZE				CLEAR SQUARE SIEVE OPENINGS				
200	40	10	4	3/4 "	3"	12"		
SILTS AND CLAYS	SAND			GRAVEL			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE			

RELATIVE DENSITY

SANDS AND GRAVELS	BLOWS/FOOT (S.P.T.)
VERY LOOSE	0-4
LOOSE	4-10
MEDIUM DENSE	10-30
DENSE	30-50
VERY DENSE	OVER 50

CONSISTENCY

SILTS AND CLAYS	STRENGTH*	BLOWS/FOOT (S.P.T.)
VERY SOFT	0-1/4	0-2
SOFT	1/4-1/2	2-4
MEDIUM STIFF	1/2-1	4-8
STIFF	1-2	8-15
VERY STIFF	2-4	15-30
HARD	OVER 4	OVER 30

MOISTURE CONDITION

DRY	Absence of moisture, dusty, dry to touch
MOIST	Damp but no visible water
WET	Visible freewater
SATURATED	Below the water table

SAMPLER SYMBOLS

- Modified California (3" O.D.) sampler
- California (2.5" O.D.) sampler
- S.P.T. - Split spoon sampler
- Shelby Tube
- Continuous Core
- Bag Samples
- Grab Samples
- NR No Recovery

MINOR CONSTITUENT QUANTITIES (BY WEIGHT)

TRACE	Particles are present, but estimated to the less than 5%
SOME	5 to 15%
WITH	15 to 30%
.....Y	30 to 50%

LINE TYPES

- ———— Solid - Layer Break
- – – – – – Dashed - Gradational or approximate layer break

GROUND-WATER SYMBOLS

- ▽ Groundwater level during drilling
- ▼ Stabilized groundwater level

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EXCELLENT SERVICE SINCE 1971

(S.P.T.) Number of blows of 140 lb. hammer falling 30" to drive a 2-inch O.D. (1-3/8 inch I.D.) sampler

* Unconfined compressive strength in tons/sq. ft., asterisk on log means determined by pocket penetrometer

LOG OF BORING S-1

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Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/2/2007
HOLE DEPTH: Approx. 25 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			SILTY CLAY (CL), dark brown, moist, trace sand					
5	1						0.2	
	2						0.1	
			SILTY CLAY (CL), brown mottled with dark brown, moist, trace carbonates					
10	3						0.2	
			SILTY GRAVEL (GM), light brown, moist					
	4						0.2	
			CLAYEY SAND (SC), grayish brown, moist, trace medium to coarse gravel					
15	5						0.1	
			SILTY CLAY (CL), brown mottled with reddish brown, wet, some medium to coarse gravel					
20	6				▽		0.1	
	7						0.0	
							0.1	
25			Bottom of boring at approximately 25 feet. Groundwater encountered at 21.7 feet.					

LOG OF BORING S-2

ENGEO — Expect Excellence

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/2/2007
HOLE DEPTH: Approx. 28 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			ASPHALT					
			CLAYEY SAND (SC), brown, moist, some gravel				0.0	
	1						0.1	
5								
	2						0.1	
10	3		SILTY CLAY (CL), brown mottled with dark brown, moist, trace carbonates				0.1	
	4		SILTY SAND (SM), reddish brown, moist				0.0	
15			CLAYEY SILT (ML), light brown, moist, some sand				0.1	
	5							
			SAND WITH GRAVEL (SP), brown, moist, trace carbonates				0.0	
20	6				▽			
			GRAVELLY SAND (SW), reddish brown, saturated					
	7						0.1	
25								

LOG OF BORING S-2

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/2/2007
HOLE DEPTH: Approx. 28 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
	8		GRAVELLY SAND (SW), reddish brown, saturated					
			Bottom of boring at approximately 28 feet. Groundwater encountered at 22 feet.					

LOG OF BORING S-3

ENGEO — Expect Excellence

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 35 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			CONCRETE moist, some gravel					
			SILTY CLAY (CL), light brown, moist, with sand				26.3 97.4 56.7	
	1							
			SILTY CLAY (CL), dark brown, moist					
5							20.1	
	2							
							17.3	
			SILTY CLAY (CL), brown mottled with dark brown, moist, trace carbonates					
10	3						3.6	
							3.1	
	4							
15			GRAVELLY SAND (SW), reddish brown, moist				2.1	
	5							
							2.1	
20	6						10.3	
	7							
			SILTY CLAY (CL), dark brown, wet, some medium to coarse gravel		▽		6.2	
25								

LOG OF BORING S-3

Expect Excellence

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 35 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			SILTY CLAY (CL), dark brown, wet, some medium to coarse gravel					
	8		CLAYEY SAND (SC), grayish brown mottled with dark brown, saturated				2.4	
30	9						1.6	
	10						0.2	
35			Bottom of boring at approximately 35 feet. Groundwater encountered at 24.5 feet.					

LOG OF BORING S-4

ENGEO — Expect Excellence

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 35 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			ASPHALT					
			SILTY CLAY (CL), dark brown, moist, some medium to coarse gravel				1.7	
			Trace carbonates					
5	1						2.2	
	2		SILTY CLAY (CL), brown mottled with dark brown, moist, some carbonates				.9	
10	3						0.6	
	4						0.5	
			GRAVELLY SAND (SW), brown, moist, with fine to medium gravel					
15	5						0.2	
			CLAYEY SILT (CL), brown, moist, some fine to coarse gravel				0.4	
20	6						1.1	
	7						0.1	
			SILTY CLAY (CL), grayish brown, moist					
25								

LOG OF BORING S-4

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 35 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			SILTY CLAY (CL), grayish brown, moist		▽		0.3	
	8							
			CLAYEY SAND (SC), grayish brown mottled with dark brown, saturated, some medium to coarse gravel				0.3	
30	9						0.4	
	10							
							0.2	
35			Bottom of boring at approximately 35 feet. Groundwater encountered at 26.1 feet.					

LOG OF BORING S-5

Expect Excellence

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 33 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			ASPHALT					
			SILTY CLAY (CL), dark brown, moist, trace sand				11.7	
	1							
5							4.7	
	2						3.1	
			SAND (SP), light brown, moist, some gravel					
10	3							
			SILTY CLAY (CL), light brown mottled with dark brown, moist, some carbonates				2.9	
	4						1.5	
15							0.4	
	5							
			GRAVELLY SAND (SW), brown, moist, with fine to medium gravel				1.1	
20	6						1.0	
			SILTY CLAY (CL), dark brown, saturated		▽		1.3	
	7							
25								

LOG - ENVIRONMENTAL 7584.P.001.01 RICKENBACKER LOGS.GPJ ENGEO INC.GDT 4/3/07

LOG OF BORING S-5

Environmental Assessment
224 Rickenbacker Circle
Livermore, California
7584.P.001.01

DATE DRILLED: 3/1/2007
HOLE DEPTH: Approx. 33 ft.
HOLE DIAMETER: 2.0 in.
SURF ELEV (FT-410): Approx. 410 ft.

LOGGED / REVIEWED BY: K. Krohn / SM
DRILLING CONTRACTOR: Vironex
DRILLING METHOD: Direct Push
HAMMER TYPE: Direct Push

Depth in Feet	Depth in Meters	Sample Type	DESCRIPTION	Log Symbol	Water Level	Blow Count/Foot	PID (ppm)	Unconfined Strength (tsf) *field approx
			SILTY CLAY (CL), dark brown, saturated				0.4	
	8						1.1	
			CLAYEY SAND (SC), grayish brown, saturated, some medium to coarse gravel					
30	9						0.9	
	10		Bottom of boring at approximately 33 feet. Groundwater encountered at 23.3 feet.					

APPENDIX B

SEVERN TRENT LABORATORIES, INC.

Laboratory Test Results

ANALYTICAL REPORT

Job Number: 720-8032-1

Job Description: 224 Rickenbacker Circle

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

Attention: Ms. Kelly Krohn

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
03/15/2007
Revision: 1

Project Manager: Melissa Brewer

Client: Engeo, Inc.
Date: 03/15/2007

Volatiles MS

Reporting Limit - Insufficient Sample

Elevated reporting limits are provided for sample 720-8032-5,10 due to insufficient sample provided for preparation/analysis due to the large amount of sediment in the vials.

Affected Items

720-8032-A-10

Batch: 720-19090
Method: 720-8260B_LL

720-8032-A-5

Batch: 720-19090
Method: 720-8260B_LL

EXECUTIVE SUMMARY - Detections

Client: Engeo, Inc. Job Number: 720-8032-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
720-8032-4	**S-2@26'**					
Silica Gel Cleanup						
Diesel Range Organics [C10-C28]		11	B	0.96	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		35	J	48	mg/Kg	8015B
720-8032-5	**S-2**					
Tetrachloroethene		1.8		1.0	ug/L	8260B
Silica Gel Cleanup						
Diesel Range Organics [C10-C28]		27	J B	50	ug/L	8015B
720-8032-9	**S-1@24'**					
Silica Gel Cleanup						
Diesel Range Organics [C10-C28]		0.43	J B	0.96	mg/Kg	8015B
720-8032-10	**S-1**					
Silica Gel Cleanup						
Diesel Range Organics [C10-C28]		28	J B	50	ug/L	8015B

METHOD SUMMARY

Client: Engeo, Inc. Job Number: 720-8032-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Microscale Solvent Extraction (MSE)	STL SF		SW846 3570
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	STL SF		SW846 3510C SGC

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

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

SAMPLE SUMMARY

Client: Engeo, Inc. Job Number: 720-8032-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-8032-4	S-2@26'	Solid	03/02/2007 0939	03/02/2007 1315
720-8032-5	S-2	Water	03/02/2007 1112	03/02/2007 1315
720-8032-9	S-1@24'	Solid	03/02/2007 1101	03/02/2007 1315
720-8032-10	S-1	Water	03/02/2007 1130	03/02/2007 1315

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2@26'

Lab Sample ID: 720-8032-4
Client Matrix: Solid

Date Sampled: 03/02/2007 0939
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1726
Date Prepared: 03/05/2007 1726

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.64 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.22

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
1,2-Dichloroethane-d4 (Surr)	89	60 - 140

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2@26'

Lab Sample ID: 720-8032-4 Date Sampled: 03/02/2007 0939
Client Matrix: Solid Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19121 Instrument ID: Agilent 75MSD
Preparation: 5030B Lab File ID: 030807015.D
Dilution: 1.0 Initial Weight/Volume: 5.06 g
Date Analyzed: 03/08/2007 1741 Final Weight/Volume: 10 mL
Date Prepared: 03/08/2007 1741

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		ND		49
Benzene		ND		4.9
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		20
Bromoform		ND		4.9
Bromomethane		ND		9.9
Methyl Ethyl Ketone		ND		49
n-Butylbenzene		ND		4.9
sec-Butylbenzene		ND		4.9
tert-Butylbenzene		ND		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.9
Chloroform		ND		4.9
Chloromethane		ND		9.9
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
trans-1,2-Dichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Ethylbenzene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		ND		4.9
4-Isopropyltoluene		ND		4.9

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2@26'

Lab Sample ID: 720-8032-4 Date Sampled: 03/02/2007 0939
Client Matrix: Solid Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19121 Instrument ID: Agilent 75MSD
Preparation: 5030B Lab File ID: 030807015.D
Dilution: 1.0 Initial Weight/Volume: 5.06 g
Date Analyzed: 03/08/2007 1741 Final Weight/Volume: 10 mL
Date Prepared: 03/08/2007 1741

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.9
methyl isobutyl ketone		ND		49
Naphthalene		ND		9.9
N-Propylbenzene		ND		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		ND		4.9
Toluene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		ND		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		ND		4.9
1,3,5-Trimethylbenzene		ND		4.9
Vinyl acetate		ND		49
Vinyl chloride		ND		4.9
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	80	60 - 140
1,2-Dichloroethane-d4 (Surr)	116	60 - 140
Toluene-d8 (Surr)	101	70 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2

Lab Sample ID: 720-8032-5
Client Matrix: Water

Date Sampled: 03/02/2007 1112
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 03/08/2007 1748
Date Prepared: 03/08/2007 1748

Analysis Batch: 720-19090

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		10
Acetone	ND		100
Benzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromobenzene	ND		2.0
Chlorobromomethane	ND		2.0
Bromoform	ND		2.0
Bromomethane	ND		2.0
Methyl Ethyl Ketone	ND		100
n-Butylbenzene	ND		2.0
sec-Butylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		2.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		2.0
1,1-Dichloropropene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		2.0
Ethylene Dibromide	ND		1.0
Dibromomethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		2.0
2-Hexanone	ND		100
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		2.0

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2

Lab Sample ID: 720-8032-5
Client Matrix: Water

Date Sampled: 03/02/2007 1112
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 03/08/2007 1748
Date Prepared: 03/08/2007 1748

Analysis Batch: 720-19090

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methylene Chloride	ND		10
methyl isobutyl ketone	ND		100
Naphthalene	ND		2.0
N-Propylbenzene	ND		2.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Tetrachloroethene	1.8		1.0
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		2.0
1,2,4-Trichlorobenzene	ND		2.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		2.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl acetate	ND		100
Vinyl chloride	ND		1.0
Xylenes, Total	ND		2.0
2,2-Dichloropropane	ND		1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	79 - 118
1,2-Dichloroethane-d4 (Surr)	99	78 - 117
Toluene-d8 (Surr)	112	77 - 121

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2

Lab Sample ID: 720-8032-5
Client Matrix: Water

Date Sampled: 03/02/2007 1112
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1737
Date Prepared: 03/05/2007 1737

Analysis Batch: 720-18992

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200703\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	94	77 - 121
1,2-Dichloroethane-d4 (Surr)	98	73 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1@24'

Lab Sample ID: 720-8032-9
Client Matrix: Solid

Date Sampled: 03/02/2007 1101
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1801
Date Prepared: 03/05/2007 1801

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	95	60 - 140

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1@24'

Lab Sample ID: 720-8032-9 Date Sampled: 03/02/2007 1101
Client Matrix: Solid Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19121 Instrument ID: Agilent 75MSD
Preparation: 5030B Lab File ID: 030807016.D
Dilution: 1.0 Initial Weight/Volume: 5.54 g
Date Analyzed: 03/08/2007 1807 Final Weight/Volume: 10 mL
Date Prepared: 03/08/2007 1807

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.5
Acetone		ND		45
Benzene		ND		4.5
Dichlorobromomethane		ND		4.5
Bromobenzene		ND		4.5
Chlorobromomethane		ND		18
Bromoform		ND		4.5
Bromomethane		ND		9.0
Methyl Ethyl Ketone		ND		45
n-Butylbenzene		ND		4.5
sec-Butylbenzene		ND		4.5
tert-Butylbenzene		ND		4.5
Carbon disulfide		ND		4.5
Carbon tetrachloride		ND		4.5
Chlorobenzene		ND		4.5
Chloroethane		ND		9.0
Chloroform		ND		4.5
Chloromethane		ND		9.0
2-Chlorotoluene		ND		4.5
4-Chlorotoluene		ND		4.5
Chlorodibromomethane		ND		4.5
1,2-Dichlorobenzene		ND		4.5
1,3-Dichlorobenzene		ND		4.5
1,4-Dichlorobenzene		ND		4.5
1,3-Dichloropropane		ND		4.5
1,1-Dichloropropene		ND		4.5
1,2-Dibromo-3-Chloropropane		ND		45
Ethylene Dibromide		ND		4.5
Dibromomethane		ND		9.0
Dichlorodifluoromethane		ND		9.0
1,1-Dichloroethane		ND		4.5
1,2-Dichloroethane		ND		4.5
1,1-Dichloroethene		ND		4.5
cis-1,2-Dichloroethene		ND		4.5
trans-1,2-Dichloroethene		ND		4.5
1,2-Dichloropropane		ND		4.5
cis-1,3-Dichloropropene		ND		4.5
trans-1,3-Dichloropropene		ND		4.5
Ethylbenzene		ND		4.5
Hexachlorobutadiene		ND		4.5
2-Hexanone		ND		45
Isopropylbenzene		ND		4.5
4-Isopropyltoluene		ND		4.5

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1@24'

Lab Sample ID: 720-8032-9
Client Matrix: Solid

Date Sampled: 03/02/2007 1101
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/08/2007 1807
Date Prepared: 03/08/2007 1807

Analysis Batch: 720-19121

Instrument ID: Agilent 75MSD
Lab File ID: 030807016.D
Initial Weight/Volume: 5.54 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.0
methyl isobutyl ketone		ND		45
Naphthalene		ND		9.0
N-Propylbenzene		ND		4.5
Styrene		ND		4.5
1,1,1,2-Tetrachloroethane		ND		4.5
1,1,2,2-Tetrachloroethane		ND		4.5
Tetrachloroethene		ND		4.5
Toluene		ND		4.5
1,2,3-Trichlorobenzene		ND		4.5
1,2,4-Trichlorobenzene		ND		4.5
1,1,1-Trichloroethane		ND		4.5
1,1,2-Trichloroethane		ND		4.5
Trichloroethene		ND		4.5
Trichlorofluoromethane		ND		4.5
1,2,3-Trichloropropane		ND		4.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.5
1,2,4-Trimethylbenzene		ND		4.5
1,3,5-Trimethylbenzene		ND		4.5
Vinyl acetate		ND		45
Vinyl chloride		ND		4.5
Xylenes, Total		ND		9.0
2,2-Dichloropropane		ND		4.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	81	60 - 140
1,2-Dichloroethane-d4 (Surr)	113	60 - 140
Toluene-d8 (Surr)	101	70 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1

Lab Sample ID: 720-8032-10 Date Sampled: 03/02/2007 1130
Client Matrix: Water Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19090 Instrument ID: Varian 3900F
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 2.0 Initial Weight/Volume: 40 mL
Date Analyzed: 03/08/2007 1822 Final Weight/Volume: 40 mL
Date Prepared: 03/08/2007 1822

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		10
Acetone	ND		100
Benzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromobenzene	ND		2.0
Chlorobromomethane	ND		2.0
Bromoform	ND		2.0
Bromomethane	ND		2.0
Methyl Ethyl Ketone	ND		100
n-Butylbenzene	ND		2.0
sec-Butylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		2.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,3-Dichloropropane	ND		2.0
1,1-Dichloropropene	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		2.0
Ethylene Dibromide	ND		1.0
Dibromomethane	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	ND		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		2.0
2-Hexanone	ND		100
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		2.0

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1

Lab Sample ID: 720-8032-10
Client Matrix: Water

Date Sampled: 03/02/2007 1130
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 03/08/2007 1822
Date Prepared: 03/08/2007 1822

Analysis Batch: 720-19090

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methylene Chloride	ND		10
methyl isobutyl ketone	ND		100
Naphthalene	ND		2.0
N-Propylbenzene	ND		2.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Tetrachloroethene	ND		1.0
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		2.0
1,2,4-Trichlorobenzene	ND		2.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		2.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl acetate	ND		100
Vinyl chloride	ND		1.0
Xylenes, Total	ND		2.0
2,2-Dichloropropane	ND		1.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	79 - 118
1,2-Dichloroethane-d4 (Surr)	104	78 - 117
Toluene-d8 (Surr)	112	77 - 121

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1

Lab Sample ID: 720-8032-10
Client Matrix: Water

Date Sampled: 03/02/2007 1130
Date Received: 03/02/2007 1315

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1800
Date Prepared: 03/05/2007 1800

Analysis Batch: 720-18992

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200703\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	93	73 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: **S-2@26'**

Lab Sample ID: 720-8032-4
Client Matrix: Solid

Date Sampled: 03/02/2007 0939
Date Received: 03/02/2007 1315

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 2053
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.25 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		11	B	0.26	0.96
Motor Oil Range Organics [C24-C36]		35	J	14	48

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	82	50 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-2

Lab Sample ID: 720-8032-5
Client Matrix: Water

Date Sampled: 03/02/2007 1112
Date Received: 03/02/2007 1315

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/06/2007 1659
Date Prepared: 03/05/2007 1240

Analysis Batch: 720-19109
Prep Batch: 720-18955

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	27	J B	13	50
Motor Oil Range Organics [C24-C36]	ND		230	500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	50 - 130
Capric Acid (Surr)	1	0 - 5

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1@24'

Lab Sample ID: 720-8032-9
Client Matrix: Solid

Date Sampled: 03/02/2007 1101
Date Received: 03/02/2007 1315

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 2126
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		0.43	J B	0.26	0.96
Motor Oil Range Organics [C24-C36]		ND		14	48

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	78	50 - 130

Client: Engeo, Inc. Job Number: 720-8032-1

Client Sample ID: S-1

Lab Sample ID: 720-8032-10
Client Matrix: Water

Date Sampled: 03/02/2007 1130
Date Received: 03/02/2007 1315

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/06/2007 1726
Date Prepared: 03/05/2007 1240

Analysis Batch: 720-19109
Prep Batch: 720-18955

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	28	J B	13	50
Motor Oil Range Organics [C24-C36]	ND		230	500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	50 - 130
Capric Acid (Surr)	0	0 - 5

DATA REPORTING QUALIFIERS

Client: Engeo, Inc. Job Number: 720-8032-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Engeo, Inc. Job Number: 720-8032-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-18986					
LCS 720-18986/3	Lab Control Spike	T	Solid	8260B	
LCSD 720-18986/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 720-18986/4	Method Blank	T	Solid	8260B	
720-8014-A-13 MS	Matrix Spike	T	Solid	8260B	
720-8014-A-13 MSD	Matrix Spike Duplicate	T	Solid	8260B	
720-8032-4	S-2@26'	T	Solid	8260B	
720-8032-9	S-1@24'	T	Solid	8260B	
Analysis Batch:720-18992					
LCS 720-18992/3	Lab Control Spike	T	Water	8260B	
LCSD 720-18992/2	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-18992/5	Method Blank	T	Water	8260B	
720-7984-B-4 MS	Matrix Spike	T	Water	8260B	
720-7984-B-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-8032-5	S-2	T	Water	8260B	
720-8032-10	S-1	T	Water	8260B	
Analysis Batch:720-19090					
LCS 720-19090/1	Lab Control Spike	T	Water	8260B	
MB 720-19090/2	Method Blank	T	Water	8260B	
720-8032-5	S-2	T	Water	8260B	
720-8032-10	S-1	T	Water	8260B	
720-8043-B-1 MS	Matrix Spike	T	Water	8260B	
720-8043-B-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-19121					
LCS 720-19121/1	Lab Control Spike	T	Solid	8260B	
MB 720-19121/2	Method Blank	T	Solid	8260B	
720-7991-A-5 MS	Matrix Spike	T	Solid	8260B	
720-7991-A-5 MSD	Matrix Spike Duplicate	T	Solid	8260B	
720-8032-4	S-2@26'	T	Solid	8260B	
720-8032-9	S-1@24'	T	Solid	8260B	

Report Basis
T = Total

Client: Engeo, Inc. Job Number: 720-8032-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-18929					
LCS 720-18929/2-AA	Lab Control Spike	A	Solid	3570	
LCSD 720-18929/3-AA	Lab Control Spike Duplicate	A	Solid	3570	
MB 720-18929/1-AA	Method Blank	A	Solid	3570	
720-8018-A-20-B MS +A	Matrix Spike	A	Solid	3570	
720-8018-A-20-C MSD +A	Matrix Spike Duplicate	A	Solid	3570	
720-8032-4	S-2@26'	A	Solid	3570	
720-8032-9	S-1@24'	A	Solid	3570	
Prep Batch: 720-18955					
LCS 720-18955/2-AA	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-18955/3-AA	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-18955/1-AA	Method Blank	A	Water	3510C SGC	
720-8032-5	S-2	A	Water	3510C SGC	
720-8032-10	S-1	A	Water	3510C SGC	
Analysis Batch:720-19009					
LCS 720-18929/2-AA	Lab Control Spike	A	Solid	8015B	720-18929
LCSD 720-18929/3-AA	Lab Control Spike Duplicate	A	Solid	8015B	720-18929
MB 720-18929/1-AA	Method Blank	A	Solid	8015B	720-18929
720-8018-A-20-B MS +A	Matrix Spike	A	Solid	8015B	720-18929
720-8018-A-20-C MSD +A	Matrix Spike Duplicate	A	Solid	8015B	720-18929
720-8032-4	S-2@26'	A	Solid	8015B	720-18929
720-8032-9	S-1@24'	A	Solid	8015B	720-18929
Analysis Batch:720-19109					
LCS 720-18955/2-AA	Lab Control Spike	A	Water	8015B	720-18955
LCSD 720-18955/3-AA	Lab Control Spike Duplicate	A	Water	8015B	720-18955
MB 720-18955/1-AA	Method Blank	A	Water	8015B	720-18955
720-8032-5	S-2	A	Water	8015B	720-18955
720-8032-10	S-1	A	Water	8015B	720-18955

Report Basis
A = Silica Gel Cleanup

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-18986

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18986/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 1002
Date Prepared: 03/05/2007 1002

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	70 - 130
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18986

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-18986/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 0918
Date Prepared: 03/05/2007 0918

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-18986/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 0940
Date Prepared: 03/05/2007 0940

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\030
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	101	69 - 129	0	20		
Toluene	113	115	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	81	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18986

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8014-A-13 MS	Analysis Batch: 720-18986	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	1.0		Initial Weight/Volume: 5.35 g
Date Analyzed:	03/05/2007 1131		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1131		

MSD Lab Sample ID:	720-8014-A-13 MSD	Analysis Batch: 720-18986	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	1.0		Initial Weight/Volume: 5 g
Date Analyzed:	03/05/2007 1153		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1153		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	80	69 - 129	4	20		
Toluene	99	86	70 - 130	8	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	100	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	88	84	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-18992

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18992/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1212
Date Prepared: 03/05/2007 1212

Analysis Batch: 720-18992
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200703\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	77 - 121
1,2-Dichloroethane-d4 (Surr)	93	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18992

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-18992/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1104
Date Prepared: 03/05/2007 1104

Analysis Batch: 720-18992
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200703\03
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-18992/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1127
Date Prepared: 03/05/2007 1127

Analysis Batch: 720-18992
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900E
Lab File ID: c:\varianws\data\200703\030
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	89	97	69 - 129	8	25		
Toluene	108	116	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	108	77 - 121
1,2-Dichloroethane-d4 (Surr)	97	94	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18992

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-7984-B-4 MS	Analysis Batch: 720-18992	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200703\(
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	03/05/2007 1330		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1330		

MSD Lab Sample ID:	720-7984-B-4 MSD	Analysis Batch: 720-18992	Instrument ID: Varian 3900E
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\varianws\data\200703\03
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	03/05/2007 1353		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1353		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	84	80	69 - 129	5	20		
Toluene	98	89	70 - 130	9	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	101	101	77 - 121
1,2-Dichloroethane-d4 (Surr)	87	86	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-19090

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19090/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/08/2007 0959
Date Prepared: 03/08/2007 0959

Analysis Batch: 720-19090
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-19090

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19090/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/08/2007 0959
Date Prepared: 03/08/2007 0959

Analysis Batch: 720-19090
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	79 - 118
1,2-Dichloroethane-d4 (Surr)	98	78 - 117
Toluene-d8 (Surr)	110	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc.

Job Number: 720-8032-1

Lab Control Spike - Batch: 720-19090

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-19090/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/08/2007 0926
Date Prepared: 03/08/2007 0926

Analysis Batch: 720-19090
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	17.7	88	69 - 129	
Chlorobenzene	20.0	20.2	101	61 - 121	
1,1-Dichloroethene	20.0	19.9	99	65 - 125	
Toluene	20.0	18.5	92	70 - 130	
Trichloroethene	20.0	18.3	92	74 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	110	79 - 118
1,2-Dichloroethane-d4 (Surr)	99	78 - 117
Toluene-d8 (Surr)	110	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-19090

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8043-B-1 MS	Analysis Batch: 720-19090	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	20		Initial Weight/Volume: 40 mL
Date Analyzed:	03/08/2007 1213		Final Weight/Volume: 40 mL
Date Prepared:	03/08/2007 1213		

MSD Lab Sample ID:	720-8043-B-1 MSD	Analysis Batch: 720-19090	Instrument ID: Varian 3900F
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	20		Initial Weight/Volume: 40 mL
Date Analyzed:	03/08/2007 1246		Final Weight/Volume: 40 mL
Date Prepared:	03/08/2007 1246		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual MSD Qual
Benzene	96	101	69 - 129	4	20	
Chlorobenzene	108	107	61 - 121	0	20	
1,1-Dichloroethene	104	109	65 - 125	5	20	
Toluene	102	102	70 - 130	0	20	
Trichloroethene	98	106	74 - 134	5	20	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	110	111	79 - 118
1,2-Dichloroethane-d4 (Surr)	95	101	78 - 117
Toluene-d8 (Surr)	108	112	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-19121

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19121/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2007 1419
Date Prepared: 03/08/2007 1419

Analysis Batch: 720-19121
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 030807007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-19121

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19121/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2007 1419
Date Prepared: 03/08/2007 1419

Analysis Batch: 720-19121
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 030807007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
methyl isobutyl ketone	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	85	60 - 140
1,2-Dichloroethane-d4 (Surr)	98	60 - 140
Toluene-d8 (Surr)	104	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc.

Job Number: 720-8032-1

Lab Control Spike - Batch: 720-19121

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-19121/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2007 1354
Date Prepared: 03/08/2007 1354

Analysis Batch: 720-19121
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 030807006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	100	101	101	69 - 129	
Chlorobenzene	100	104	104	61 - 121	
1,1-Dichloroethene	100	119	119	65 - 125	
Toluene	100	103	103	70 - 130	
Trichloroethene	100	90.5	90	74 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	82	60 - 140
1,2-Dichloroethane-d4 (Surr)	94	60 - 140
Toluene-d8 (Surr)	97	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-19121

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-7991-A-5 MS	Analysis Batch: 720-19121	Instrument ID: Agilent 75MSD
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: 030807012.D
Dilution:	1.0		Initial Weight/Volume: 5.33 g
Date Analyzed:	03/08/2007 1626		Final Weight/Volume: 10 mL
Date Prepared:	03/08/2007 1626		

MSD Lab Sample ID:	720-7991-A-5 MSD	Analysis Batch: 720-19121	Instrument ID: Agilent 75MSD
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: 030807013.D
Dilution:	1.0		Initial Weight/Volume: 5.48 g
Date Analyzed:	03/08/2007 1651		Final Weight/Volume: 10 mL
Date Prepared:	03/08/2007 1651		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	115	113	69 - 129	5	20		
Chlorobenzene	112	115	61 - 121	0	20		
1,1-Dichloroethene	142	146	65 - 125	0	20	F	F
Toluene	112	118	70 - 130	3	20		
Trichloroethene	106	105	74 - 134	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	88	89	60 - 140
1,2-Dichloroethane-d4 (Surr)	109	105	60 - 140
Toluene-d8 (Surr)	102	108	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

Lab Sample ID: MB 720-18929/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1320
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	0.71	J	0.27	0.98
Motor Oil Range Organics [C24-C36]	ND		14	49

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	84	50 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-18929/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1143
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-18929/3-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1248
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.25 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	107	106	50 - 130	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	96	97	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

MS Lab Sample ID:	720-8018-A-20-B MS +A	Analysis Batch: 720-19009	Instrument ID: Varian DRO2
Client Matrix:	Solid	Prep Batch: 720-18929	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 5.11 g
Date Analyzed:	03/06/2007 1948		Final Weight/Volume: 5 mL
Date Prepared:	03/05/2007 0645		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	720-8018-A-20-C MSD	Analysis Batch: 720-19009	Instrument ID: Varian DRO2
Client Matrix:	Solid	Prep Batch: 720-18929	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 5.24 g
Date Analyzed:	03/06/2007 2021		Final Weight/Volume: 5 mL
Date Prepared:	03/05/2007 0645		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	110	110	50 - 130	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	98	95	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8032-1

Method Blank - Batch: 720-18955

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-18955/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 2102
Date Prepared: 03/05/2007 1240

Analysis Batch: 720-19109
Prep Batch: 720-18955
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	37	J	13	50
Motor Oil Range Organics [C24-C36]	ND		230	500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	81	50 - 130
Capric Acid (Surr)	0	0 - 5

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18955

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-18955/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 2008
Date Prepared: 03/05/2007 1240

Analysis Batch: 720-19109
Prep Batch: 720-18955
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-18955/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 2035
Date Prepared: 03/05/2007 1240

Analysis Batch: 720-19109
Prep Batch: 720-18955
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	80	83	50 - 130	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	80	78	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-8032

CHAIN OF CUSTODY RECORD

104346

PROJECT NUMBER: 7584.P.001.01	PROJECT NAME: 224 Rickenbacker Circle
SAMPLED BY: (SIGNATURE/PRINT) Kelly Krohn	
PROJECT MANAGER: Kelly Krohn	
ROUTING: E-MAIL kkrohn@engeo.com	Hard Copy Kelly Krohn

	SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	TEPH DIESEL, MOTOR OIL, SILICA GEL CLEANUP	TPH GASOLINE	VOCs (8260)	REMARKS REQUIRED DETECTION LIMITS
1	S-2@5'	3/2/07	9:04	Soil	1	Liner	Ice	X	X	X	Hold
2	S-2@10'		9:12	Soil	1	Liner	Ice	X	X	X	Hold
3	S-2@20'		9:21	Soil	1	Liner	Ice	X	X	X	Hold
4	S-2@26'		9:39	Soil	1	Liner	Ice	X	X	X	~~Hold~~ Ok
5	S-2		11:12	H_2O	2 Ambers 6 VOAs	-	Ice/HCl	X	X	X	
6	S-1@6'		10:39	Soil	1		Ice	X	X	X	Hold
7	S-1@10'		10:42	Soil	1		Ice	X	X	X	Hold
8	S-1@20'		10:52	Soil	1		Ice	X	X	X	Hold
9	S-1@24'		11:01	Soil	1		Ice	X	X	X	~~Hold~~ Ok
10	S-1		11:30	H_2O	2 Amber 6 VOAs	-	Ice/HCl	X	X	X	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	3/1/07 13:15				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
			3/1/07 13:15	Standard TAT Temp. 6°C	

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

ENGEO INCORPORATED

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

03/15/2007

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Engeo, Inc. Job Number: 720-8032-1

Login Number: 8032

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
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	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-8018-1

Job Description: 224 Rickenbacker Circle

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

Attention: Ms. Kelly Krohn

Melissa Brewer
Project Manager I
mbrewer@stl-inc.com
03/08/2007

Project Manager: Melissa Brewer

EXECUTIVE SUMMARY - Detections

Client: Engeo, Inc. Job Number: 720-8018-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-8018-6	**S-4**				
Tetrachloroethene		16	0.50	ug/L	8260B
Toluene		0.96	0.50	ug/L	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		70	50	ug/L	8015B
720-8018-7	**S-3@2'**				
Gasoline Range Organics (GRO)-C5-C12		0.33	0.23	mg/Kg	8260B
cis-1,2-Dichloroethene		54	4.8	ug/Kg	8260B
trans-1,2-Dichloroethene		6.5	4.8	ug/Kg	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		4.5	0.94	mg/Kg	8015B
720-8018-9	**S-3@4'**				
Acetone		49	49	ug/Kg	8260B
cis-1,2-Dichloroethene		61	4.9	ug/Kg	8260B
trans-1,2-Dichloroethene		15	4.9	ug/Kg	8260B
Tetrachloroethene		12	4.9	ug/Kg	8260B
Trichloroethene		13	4.9	ug/Kg	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1.0	0.92	mg/Kg	8015B
720-8018-11	**S-3@8'**				
Tetrachloroethene		79	4.8	ug/Kg	8260B
Trichloroethene		6.6	4.8	ug/Kg	8260B
720-8018-12	**S-3@10'**				
Tetrachloroethene		23	5.0	ug/Kg	8260B
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		13	0.94	mg/Kg	8015B
720-8018-15	**S-3**				
cis-1,2-Dichloroethene		1.6	0.50	ug/L	8260B
Tetrachloroethene		27	0.50	ug/L	8260B
Toluene		0.86	0.50	ug/L	8260B
Trichloroethene		2.2	0.50	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Engeo, Inc. Job Number: 720-8018-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-8018-20	**S-5@30'**				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1.0	0.93	mg/Kg	8015B
720-8018-21	**S-5**				
cis-1,2-Dichloroethene		0.54	0.50	ug/L	8260B
Tetrachloroethene		36	0.50	ug/L	8260B
Toluene		1.8	0.50	ug/L	8260B
Trichloroethene		2.0	0.50	ug/L	8260B

METHOD SUMMARY

Client: Engeo, Inc. Job Number: 720-8018-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Microscale Solvent Extraction (MSE)	STL SF		SW846 3570
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge-and-Trap	STL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	STL SF		SW846 3510C SGC

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

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

SAMPLE SUMMARY

Client: Engeo, Inc. Job Number: 720-8018-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-8018-4	S-4@25'	Solid	03/01/2007 1048	03/01/2007 1645
720-8018-6	S-4	Water	03/01/2007 1132	03/01/2007 1645
720-8018-7	S-3@2'	Solid	03/01/2007 1213	03/01/2007 1645
720-8018-9	S-3@4'	Solid	03/01/2007 1212	03/01/2007 1645
720-8018-11	S-3@8'	Solid	03/01/2007 1216	03/01/2007 1645
720-8018-12	S-3@10'	Solid	03/01/2007 1158	03/01/2007 1645
720-8018-14	S-3@27'	Solid	03/01/2007 1233	03/01/2007 1645
720-8018-15	S-3	Water	03/01/2007 1330	03/01/2007 1645
720-8018-20	S-5@30'	Solid	03/01/2007 1443	03/01/2007 1645
720-8018-21	S-5	Water	03/01/2007 1520	03/01/2007 1645

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4@25'

Lab Sample ID: 720-8018-4
Client Matrix: Solid

Date Sampled: 03/01/2007 1048
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1513
Date Prepared: 03/05/2007 1513

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.09 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	90	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4@25'

Lab Sample ID: 720-8018-4 Date Sampled: 03/01/2007 1048
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.13 g
Date Analyzed: 03/07/2007 1729 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 1729

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		ND		49
Benzene		ND		4.9
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		19
Bromoform		ND		4.9
Bromomethane		ND		9.7
Methyl Ethyl Ketone		ND		49
n-Butylbenzene		ND		4.9
sec-Butylbenzene		ND		4.9
tert-Butylbenzene		ND		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.7
Chloroform		ND		4.9
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
trans-1,2-Dichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Ethylbenzene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		ND		4.9
4-Isopropyltoluene		ND		4.9

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4@25'

Lab Sample ID: 720-8018-4
Client Matrix: Solid

Date Sampled: 03/01/2007 1048
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 1729
Date Prepared: 03/07/2007 1729

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.7
methyl isobutyl ketone		ND		49
Naphthalene		ND		9.7
N-Propylbenzene		ND		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		ND		4.9
Toluene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		ND		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		ND		4.9
1,3,5-Trimethylbenzene		ND		4.9
Vinyl acetate		ND		49
Vinyl chloride		ND		4.9
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	90	60 - 140
Toluene-d8 (Surr)	88	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4

Lab Sample ID: 720-8018-6
Client Matrix: Water

Date Sampled: 03/01/2007 1132
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1849
Date Prepared: 03/05/2007 1849

Analysis Batch: 720-18991

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4

Lab Sample ID: 720-8018-6
Client Matrix: Water

Date Sampled: 03/01/2007 1132
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1849
Date Prepared: 03/05/2007 1849

Analysis Batch: 720-18991

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	16		0.50
Toluene	0.96		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	79 - 118
1,2-Dichloroethane-d4 (Surr)	116	78 - 117
Toluene-d8 (Surr)	100	77 - 121

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4

Lab Sample ID: 720-8018-6
Client Matrix: Water

Date Sampled: 03/01/2007 1132
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1244
Date Prepared: 03/05/2007 1244

Analysis Batch: 720-18993

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	77 - 121
1,2-Dichloroethane-d4 (Surr)	87	73 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@2'

Lab Sample ID: 720-8018-7
Client Matrix: Solid

Date Sampled: 03/01/2007 1213
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1451
Date Prepared: 03/05/2007 1451

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.55 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		0.33		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
1,2-Dichloroethane-d4 (Surr)	98	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@2'

Lab Sample ID: 720-8018-7 Date Sampled: 03/01/2007 1213
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.17 g
Date Analyzed: 03/07/2007 1802 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 1802

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.7
Methyl Ethyl Ketone		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.7
Chloroform		ND		4.8
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		48
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND		4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		54		4.8
trans-1,2-Dichloroethene		6.5		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@2'

Lab Sample ID: 720-8018-7
Client Matrix: Solid

Date Sampled: 03/01/2007 1213
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 1802
Date Prepared: 03/07/2007 1802

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.17 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.7
methyl isobutyl ketone		ND		48
Naphthalene		ND		9.7
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	76	60 - 140
1,2-Dichloroethane-d4 (Surr)	87	60 - 140
Toluene-d8 (Surr)	89	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@4'

Lab Sample ID: 720-8018-9
Client Matrix: Solid

Date Sampled: 03/01/2007 1212
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1535
Date Prepared: 03/05/2007 1535

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.35 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
1,2-Dichloroethane-d4 (Surr)	95	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@4'

Lab Sample ID: 720-8018-9 Date Sampled: 03/01/2007 1212
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.13 g
Date Analyzed: 03/07/2007 1836 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 1836

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.9
Acetone		49		49
Benzene		ND		4.9
Dichlorobromomethane		ND		4.9
Bromobenzene		ND		4.9
Chlorobromomethane		ND		19
Bromoform		ND		4.9
Bromomethane		ND		9.7
Methyl Ethyl Ketone		ND		49
n-Butylbenzene		ND		4.9
sec-Butylbenzene		ND		4.9
tert-Butylbenzene		ND		4.9
Carbon disulfide		ND		4.9
Carbon tetrachloride		ND		4.9
Chlorobenzene		ND		4.9
Chloroethane		ND		9.7
Chloroform		ND		4.9
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.9
4-Chlorotoluene		ND		4.9
Chlorodibromomethane		ND		4.9
1,2-Dichlorobenzene		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,3-Dichloropropane		ND		4.9
1,1-Dichloropropene		ND		4.9
1,2-Dibromo-3-Chloropropane		ND		49
Ethylene Dibromide		ND		4.9
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.9
1,2-Dichloroethane		ND		4.9
1,1-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		61		4.9
trans-1,2-Dichloroethene		15		4.9
1,2-Dichloropropane		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
Ethylbenzene		ND		4.9
Hexachlorobutadiene		ND		4.9
2-Hexanone		ND		49
Isopropylbenzene		ND		4.9
4-Isopropyltoluene		ND		4.9

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@4'

Lab Sample ID: 720-8018-9
Client Matrix: Solid

Date Sampled: 03/01/2007 1212
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 1836
Date Prepared: 03/07/2007 1836

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.7
methyl isobutyl ketone		ND		49
Naphthalene		ND		9.7
N-Propylbenzene		ND		4.9
Styrene		ND		4.9
1,1,1,2-Tetrachloroethane		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
Tetrachloroethene		12		4.9
Toluene		ND		4.9
1,2,3-Trichlorobenzene		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9
1,1,1-Trichloroethane		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Trichloroethene		13		4.9
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
1,2,4-Trimethylbenzene		ND		4.9
1,3,5-Trimethylbenzene		ND		4.9
Vinyl acetate		ND		49
Vinyl chloride		ND		4.9
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	91	60 - 140
Toluene-d8 (Surr)	92	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@8'

Lab Sample ID: 720-8018-11
Client Matrix: Solid

Date Sampled: 03/01/2007 1216
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1557
Date Prepared: 03/05/2007 1557

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.25 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	70 - 130
1,2-Dichloroethane-d4 (Surr)	96	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@8'

Lab Sample ID: 720-8018-11 Date Sampled: 03/01/2007 1216
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.24 g
Date Analyzed: 03/07/2007 1910 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 1910

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.5
Methyl Ethyl Ketone		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.5
Chloroform		ND		4.8
Chloromethane		ND		9.5
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		48
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.5
Dichlorodifluoromethane		ND		9.5
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND		4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@8'

Lab Sample ID: 720-8018-11
Client Matrix: Solid

Date Sampled: 03/01/2007 1216
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 1910
Date Prepared: 03/07/2007 1910

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.24 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.5
methyl isobutyl ketone		ND		48
Naphthalene		ND		9.5
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		79		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		6.6		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.5
2,2-Dichloropropane		ND		4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	62	60 - 140
1,2-Dichloroethane-d4 (Surr)	82	60 - 140
Toluene-d8 (Surr)	79	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@10'

Lab Sample ID: 720-8018-12
Client Matrix: Solid

Date Sampled: 03/01/2007 1158
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1619
Date Prepared: 03/05/2007 1619

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.22 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	95	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@10'

Lab Sample ID: 720-8018-12 Date Sampled: 03/01/2007 1158
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.03 g
Date Analyzed: 03/07/2007 1943 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 1943

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5.0
Acetone		ND		50
Benzene		ND		5.0
Dichlorobromomethane		ND		5.0
Bromobenzene		ND		5.0
Chlorobromomethane		ND		20
Bromoform		ND		5.0
Bromomethane		ND		9.9
Methyl Ethyl Ketone		ND		50
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
Carbon disulfide		ND		5.0
Carbon tetrachloride		ND		5.0
Chlorobenzene		ND		5.0
Chloroethane		ND		9.9
Chloroform		ND		5.0
Chloromethane		ND		9.9
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
Chlorodibromomethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
1,3-Dichloropropane		ND		5.0
1,1-Dichloropropene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		50
Ethylene Dibromide		ND		5.0
Dibromomethane		ND		9.9
Dichlorodifluoromethane		ND		9.9
1,1-Dichloroethane		ND		5.0
1,2-Dichloroethane		ND		5.0
1,1-Dichloroethene		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Ethylbenzene		ND		5.0
Hexachlorobutadiene		ND		5.0
2-Hexanone		ND		50
Isopropylbenzene		ND		5.0
4-Isopropyltoluene		ND		5.0

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@10'

Lab Sample ID: 720-8018-12
Client Matrix: Solid

Date Sampled: 03/01/2007 1158
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 1943
Date Prepared: 03/07/2007 1943

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.03 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.9
methyl isobutyl ketone		ND		50
Naphthalene		ND		9.9
N-Propylbenzene		ND		5.0
Styrene		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
Tetrachloroethene		23		5.0
Toluene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,1-Trichloroethane		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Trichloroethene		ND		5.0
Trichlorofluoromethane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
Vinyl acetate		ND		50
Vinyl chloride		ND		5.0
Xylenes, Total		ND		9.9
2,2-Dichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	68	60 - 140
1,2-Dichloroethane-d4 (Surr)	79	60 - 140
Toluene-d8 (Surr)	78	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@27'

Lab Sample ID: 720-8018-14
Client Matrix: Solid

Date Sampled: 03/01/2007 1233
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1642
Date Prepared: 03/05/2007 1642

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.58 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.22

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	90	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@27'

Lab Sample ID: 720-8018-14 Date Sampled: 03/01/2007 1233
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.37 g
Date Analyzed: 03/07/2007 2050 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 2050

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.7
Acetone		ND		47
Benzene		ND		4.7
Dichlorobromomethane		ND		4.7
Bromobenzene		ND		4.7
Chlorobromomethane		ND		19
Bromoform		ND		4.7
Bromomethane		ND		9.3
Methyl Ethyl Ketone		ND		47
n-Butylbenzene		ND		4.7
sec-Butylbenzene		ND		4.7
tert-Butylbenzene		ND		4.7
Carbon disulfide		ND		4.7
Carbon tetrachloride		ND		4.7
Chlorobenzene		ND		4.7
Chloroethane		ND		9.3
Chloroform		ND		4.7
Chloromethane		ND		9.3
2-Chlorotoluene		ND		4.7
4-Chlorotoluene		ND		4.7
Chlorodibromomethane		ND		4.7
1,2-Dichlorobenzene		ND		4.7
1,3-Dichlorobenzene		ND		4.7
1,4-Dichlorobenzene		ND		4.7
1,3-Dichloropropane		ND		4.7
1,1-Dichloropropene		ND		4.7
1,2-Dibromo-3-Chloropropane		ND		47
Ethylene Dibromide		ND		4.7
Dibromomethane		ND		9.3
Dichlorodifluoromethane		ND		9.3
1,1-Dichloroethane		ND		4.7
1,2-Dichloroethane		ND		4.7
1,1-Dichloroethene		ND		4.7
cis-1,2-Dichloroethene		ND		4.7
trans-1,2-Dichloroethene		ND		4.7
1,2-Dichloropropane		ND		4.7
cis-1,3-Dichloropropene		ND		4.7
trans-1,3-Dichloropropene		ND		4.7
Ethylbenzene		ND		4.7
Hexachlorobutadiene		ND		4.7
2-Hexanone		ND		47
Isopropylbenzene		ND		4.7
4-Isopropyltoluene		ND		4.7

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: **S-3@27'**

Lab Sample ID: 720-8018-14 Date Sampled: 03/01/2007 1233
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.37 g
Date Analyzed: 03/07/2007 2050 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 2050

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.3
methyl isobutyl ketone		ND		47
Naphthalene		ND		9.3
N-Propylbenzene		ND		4.7
Styrene		ND		4.7
1,1,1,2-Tetrachloroethane		ND		4.7
1,1,2,2-Tetrachloroethane		ND		4.7
Tetrachloroethene		ND		4.7
Toluene		ND		4.7
1,2,3-Trichlorobenzene		ND		4.7
1,2,4-Trichlorobenzene		ND		4.7
1,1,1-Trichloroethane		ND		4.7
1,1,2-Trichloroethane		ND		4.7
Trichloroethene		ND		4.7
Trichlorofluoromethane		ND		4.7
1,2,3-Trichloropropane		ND		4.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.7
1,2,4-Trimethylbenzene		ND		4.7
1,3,5-Trimethylbenzene		ND		4.7
Vinyl acetate		ND		47
Vinyl chloride		ND		4.7
Xylenes, Total		ND		9.3
2,2-Dichloropropane		ND		4.7

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	76	60 - 140
1,2-Dichloroethane-d4 (Surr)	89	60 - 140
Toluene-d8 (Surr)	90	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3

Lab Sample ID: 720-8018-15 Date Sampled: 03/01/2007 1330
Client Matrix: Water Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-18991 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2007 1922 Final Weight/Volume: 40 mL
Date Prepared: 03/05/2007 1922

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	1.6		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3

Lab Sample ID: 720-8018-15
Client Matrix: Water

Date Sampled: 03/01/2007 1330
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1922
Date Prepared: 03/05/2007 1922

Analysis Batch: 720-18991

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	27		0.50
Toluene	0.86		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	2.2		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	79 - 118
1,2-Dichloroethane-d4 (Surr)	117	78 - 117
Toluene-d8 (Surr)	101	77 - 121

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3

Lab Sample ID: 720-8018-15
Client Matrix: Water

Date Sampled: 03/01/2007 1330
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1311
Date Prepared: 03/05/2007 1311

Analysis Batch: 720-18993

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	79	77 - 121
1,2-Dichloroethane-d4 (Surr)	79	73 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: **S-5@30'**

Lab Sample ID: 720-8018-20
Client Matrix: Solid

Date Sampled: 03/01/2007 1443
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1704
Date Prepared: 03/05/2007 1704

Analysis Batch: 720-18986

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.57 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.22

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	92	60 - 140

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5@30'

Lab Sample ID: 720-8018-20 Date Sampled: 03/01/2007 1443
Client Matrix: Solid Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-19050 Instrument ID: Varian 3900G
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 5.16 g
Date Analyzed: 03/07/2007 2124 Final Weight/Volume: 10 mL
Date Prepared: 03/07/2007 2124

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		4.8
Acetone		ND		48
Benzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromobenzene		ND		4.8
Chlorobromomethane		ND		19
Bromoform		ND		4.8
Bromomethane		ND		9.7
Methyl Ethyl Ketone		ND		48
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.7
Chloroform		ND		4.8
Chloromethane		ND		9.7
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,3-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		48
Ethylene Dibromide		ND		4.8
Dibromomethane		ND		9.7
Dichlorodifluoromethane		ND		9.7
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND		4.8
1,1-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
trans-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5@30'

Lab Sample ID: 720-8018-20
Client Matrix: Solid

Date Sampled: 03/01/2007 1443
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/07/2007 2124
Date Prepared: 03/07/2007 2124

Analysis Batch: 720-19050

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methylene Chloride		ND		9.7
methyl isobutyl ketone		ND		48
Naphthalene		ND		9.7
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		4.8
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl acetate		ND		48
Vinyl chloride		ND		4.8
Xylenes, Total		ND		9.7
2,2-Dichloropropane		ND		4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	76	60 - 140
1,2-Dichloroethane-d4 (Surr)	87	60 - 140
Toluene-d8 (Surr)	91	70 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5

Lab Sample ID: 720-8018-21 Date Sampled: 03/01/2007 1520
Client Matrix: Water Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-18991 Instrument ID: Varian 3900D
Preparation: 5030B Lab File ID: c:\saturnws\data\200703\03
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2007 1956 Final Weight/Volume: 40 mL
Date Prepared: 03/05/2007 1956

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	0.54		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5

Lab Sample ID: 720-8018-21
Client Matrix: Water

Date Sampled: 03/01/2007 1520
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1956
Date Prepared: 03/05/2007 1956

Analysis Batch: 720-18991

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	36		0.50
Toluene	1.8		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	2.0		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	79 - 118
1,2-Dichloroethane-d4 (Surr)	116	78 - 117
Toluene-d8 (Surr)	100	77 - 121

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5

Lab Sample ID: 720-8018-21
Client Matrix: Water

Date Sampled: 03/01/2007 1520
Date Received: 03/01/2007 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2007 1338
Date Prepared: 03/05/2007 1338

Analysis Batch: 720-18993

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	90	77 - 121
1,2-Dichloroethane-d4 (Surr)	89	73 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4@25'

Lab Sample ID: 720-8018-4
Client Matrix: Solid

Date Sampled: 03/01/2007 1048
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1602
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.98
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	84	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-4

Lab Sample ID: 720-8018-6
Client Matrix: Water

Date Sampled: 03/01/2007 1132
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/06/2007 1443
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	70		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	79	50 - 130
Capric Acid (Surr)	2	0 - 5

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@2'

Lab Sample ID: 720-8018-7
Client Matrix: Solid

Date Sampled: 03/01/2007 1213
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1635
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		4.5		0.94
Motor Oil Range Organics [C24-C36]		ND		47

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	85	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@4'

Lab Sample ID: 720-8018-9
Client Matrix: Solid

Date Sampled: 03/01/2007 1212
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1707
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.46 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.0		0.92
Motor Oil Range Organics [C24-C36]		ND		46

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	87	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@8'

Lab Sample ID: 720-8018-11
Client Matrix: Solid

Date Sampled: 03/01/2007 1216
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1740
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.96
Motor Oil Range Organics [C24-C36]		ND		48

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	86	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@10'

Lab Sample ID: 720-8018-12
Client Matrix: Solid

Date Sampled: 03/01/2007 1158
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1812
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.36 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		13		0.94
Motor Oil Range Organics [C24-C36]		ND		47

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	83	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3@27'

Lab Sample ID: 720-8018-14
Client Matrix: Solid

Date Sampled: 03/01/2007 1233
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1844
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.08 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	82	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-3

Lab Sample ID: 720-8018-15
Client Matrix: Water

Date Sampled: 03/01/2007 1330
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/06/2007 1510
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 130
Capric Acid (Surr)	0	0 - 5

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5@30'

Lab Sample ID: 720-8018-20
Client Matrix: Solid

Date Sampled: 03/01/2007 1443
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3570
Dilution: 1.0
Date Analyzed: 03/06/2007 1916
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.41 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.0		0.93
Motor Oil Range Organics [C24-C36]		ND		46

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	86	50 - 130

Client: Engeo, Inc. Job Number: 720-8018-1

Client Sample ID: S-5

Lab Sample ID: 720-8018-21
Client Matrix: Water

Date Sampled: 03/01/2007 1520
Date Received: 03/01/2007 1645

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 03/06/2007 1537
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 130
Capric Acid (Surr)	0	0 - 5

DATA REPORTING QUALIFIERS

Client: Engeo, Inc. Job Number: 720-8018-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits

Client: Engeo, Inc. Job Number: 720-8018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-18986					
LCS 720-18986/3	Lab Control Spike	T	Solid	8260B	
LCSD 720-18986/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 720-18986/4	Method Blank	T	Solid	8260B	
720-8014-A-13 MS	Matrix Spike	T	Solid	8260B	
720-8014-A-13 MSD	Matrix Spike Duplicate	T	Solid	8260B	
720-8018-4	S-4@25'	T	Solid	8260B	
720-8018-7	S-3@2'	T	Solid	8260B	
720-8018-9	S-3@4'	T	Solid	8260B	
720-8018-11	S-3@8'	T	Solid	8260B	
720-8018-12	S-3@10'	T	Solid	8260B	
720-8018-14	S-3@27'	T	Solid	8260B	
720-8018-20	S-5@30'	T	Solid	8260B	
Analysis Batch:720-18991					
LCS 720-18991/1	Lab Control Spike	T	Water	8260B	
MB 720-18991/2	Method Blank	T	Water	8260B	
720-8016-B-1 MS	Matrix Spike	T	Water	8260B	
720-8016-C-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-8018-6	S-4	T	Water	8260B	
720-8018-15	S-3	T	Water	8260B	
720-8018-21	S-5	T	Water	8260B	
Analysis Batch:720-18993					
LCS 720-18993/7	Lab Control Spike	T	Water	8260B	
LCSD 720-18993/6	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-18993/9	Method Blank	T	Water	8260B	
720-8008-A-1 MS	Matrix Spike	T	Water	8260B	
720-8008-A-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-8018-6	S-4	T	Water	8260B	
720-8018-15	S-3	T	Water	8260B	
720-8018-21	S-5	T	Water	8260B	
Analysis Batch:720-19050					
LCS 720-19050/1	Lab Control Spike	T	Solid	8260B	
MB 720-19050/2	Method Blank	T	Solid	8260B	
720-8018-4	S-4@25'	T	Solid	8260B	
720-8018-7	S-3@2'	T	Solid	8260B	
720-8018-9	S-3@4'	T	Solid	8260B	
720-8018-11	S-3@8'	T	Solid	8260B	
720-8018-12	S-3@10'	T	Solid	8260B	
720-8018-14	S-3@27'	T	Solid	8260B	
720-8018-20	S-5@30'	T	Solid	8260B	
720-8068-A-1 MS	Matrix Spike	T	Solid	8260B	
720-8068-A-1 MSD	Matrix Spike Duplicate	T	Solid	8260B	

Client: Engeo, Inc. Job Number: 720-8018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Engeo, Inc. Job Number: 720-8018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-18877					
LCS 720-18877/2-AA	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-18877/3-AA	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-18877/1-AA	Method Blank	A	Water	3510C SGC	
720-8018-6	S-4	A	Water	3510C SGC	
720-8018-15	S-3	A	Water	3510C SGC	
720-8018-21	S-5	A	Water	3510C SGC	
Prep Batch: 720-18929					
LCS 720-18929/2-AA	Lab Control Spike	A	Solid	3570	
LCSD 720-18929/3-AA	Lab Control Spike Duplicate	A	Solid	3570	
MB 720-18929/1-AA	Method Blank	A	Solid	3570	
720-8018-4	S-4@25'	A	Solid	3570	
720-8018-7	S-3@2'	A	Solid	3570	
720-8018-9	S-3@4'	A	Solid	3570	
720-8018-11	S-3@8'	A	Solid	3570	
720-8018-12	S-3@10'	A	Solid	3570	
720-8018-14	S-3@27'	A	Solid	3570	
720-8018-20	S-5@30'	A	Solid	3570	
720-8018-20MS	Matrix Spike	A	Solid	3570	
720-8018-20MSD	Matrix Spike Duplicate	A	Solid	3570	
Analysis Batch:720-19009					
LCS 720-18929/2-AA	Lab Control Spike	A	Solid	8015B	720-18929
LCSD 720-18929/3-AA	Lab Control Spike Duplicate	A	Solid	8015B	720-18929
MB 720-18929/1-AA	Method Blank	A	Solid	8015B	720-18929
720-8018-4	S-4@25'	A	Solid	8015B	720-18929
720-8018-7	S-3@2'	A	Solid	8015B	720-18929
720-8018-9	S-3@4'	A	Solid	8015B	720-18929
720-8018-11	S-3@8'	A	Solid	8015B	720-18929
720-8018-12	S-3@10'	A	Solid	8015B	720-18929
720-8018-14	S-3@27'	A	Solid	8015B	720-18929
720-8018-20	S-5@30'	A	Solid	8015B	720-18929
720-8018-20MS	Matrix Spike	A	Solid	8015B	720-18929
720-8018-20MSD	Matrix Spike Duplicate	A	Solid	8015B	720-18929
Analysis Batch:720-19098					
LCS 720-18877/2-AA	Lab Control Spike	A	Water	8015B	720-18877
LCSD 720-18877/3-AA	Lab Control Spike Duplicate	A	Water	8015B	720-18877
MB 720-18877/1-AA	Method Blank	A	Water	8015B	720-18877
720-8018-6	S-4	A	Water	8015B	720-18877
720-8018-15	S-3	A	Water	8015B	720-18877
720-8018-21	S-5	A	Water	8015B	720-18877

Client: Engeo, Inc. Job Number: 720-8018-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
A = Silica Gel Cleanup

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-18986

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18986/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 1002
Date Prepared: 03/05/2007 1002

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Toluene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	70 - 130
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18986

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-18986/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 0918
Date Prepared: 03/05/2007 0918

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-18986/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2007 0940
Date Prepared: 03/05/2007 0940

Analysis Batch: 720-18986
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: c:\saturnws\data\200703\030
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	101	69 - 129	0	20		
Toluene	113	115	70 - 130	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	82	81	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18986

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8014-A-13 MS	Analysis Batch: 720-18986	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	1.0		Initial Weight/Volume: 5.35 g
Date Analyzed:	03/05/2007 1131		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1131		

MSD Lab Sample ID:	720-8014-A-13 MSD	Analysis Batch: 720-18986	Instrument ID: Varian 3900A
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	1.0		Initial Weight/Volume: 5 g
Date Analyzed:	03/05/2007 1153		Final Weight/Volume: 10 mL
Date Prepared:	03/05/2007 1153		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	80	69 - 129	4	20		
Toluene	99	86	70 - 130	8	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	100	100	70 - 130
1,2-Dichloroethane-d4 (Surr)	88	84	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-18991

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18991/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1527
Date Prepared: 03/05/2007 1527

Analysis Batch: 720-18991
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-18991

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18991/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1527
Date Prepared: 03/05/2007 1527

Analysis Batch: 720-18991
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	79 - 118
1,2-Dichloroethane-d4 (Surr)	108	78 - 117
Toluene-d8 (Surr)	114	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc.

Job Number: 720-8018-1

Lab Control Spike - Batch: 720-18991

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-18991/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1453
Date Prepared: 03/05/2007 1453

Analysis Batch: 720-18991
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900D
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.9	100	69 - 129	
Chlorobenzene	20.0	21.8	109	61 - 121	
1,1-Dichloroethene	20.0	23.4	117	65 - 125	
Toluene	20.0	18.7	94	70 - 130	
Trichloroethene	20.0	21.4	107	74 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	79 - 118
1,2-Dichloroethane-d4 (Surr)	108	78 - 117
Toluene-d8 (Surr)	91	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18991

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8016-B-1 MS	Analysis Batch: 720-18991	Instrument ID: Varian 3900D
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	03/05/2007 1742		Final Weight/Volume: 40 mL
Date Prepared:	03/05/2007 1742		

MSD Lab Sample ID:	720-8016-C-1 MSD	Analysis Batch: 720-18991	Instrument ID: Varian 3900D
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	03/05/2007 1815		Final Weight/Volume: 40 mL
Date Prepared:	03/05/2007 1815		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	99	101	69 - 129	2	20		
Chlorobenzene	105	105	61 - 121	0	20		
1,1-Dichloroethene	102	115	65 - 125	11	20		
Toluene	94	101	70 - 130	7	20		
Trichloroethene	90	96	74 - 134	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	91	99	79 - 118
1,2-Dichloroethane-d4 (Surr)	112	112	78 - 117
Toluene-d8 (Surr)	98	103	77 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-18993

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-18993/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 1042
Date Prepared: 03/05/2007 1042

Analysis Batch: 720-18993
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	77 - 121
1,2-Dichloroethane-d4 (Surr)	84	73 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18993

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-18993/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 0922
Date Prepared: 03/05/2007 0922

Analysis Batch: 720-18993
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-18993/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2007 0949
Date Prepared: 03/05/2007 0949

Analysis Batch: 720-18993
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: c:\saturnws\data\200703\030
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	89	91	69 - 129	3	25		
Toluene	94	96	70 - 130	2	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	96	95	77 - 121
1,2-Dichloroethane-d4 (Surr)	102	101	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18993

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8008-A-1 MS	Analysis Batch: 720-18993	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	100		Initial Weight/Volume: 40 mL
Date Analyzed:	03/05/2007 1404		Final Weight/Volume: 40 mL
Date Prepared:	03/05/2007 1404		

MSD Lab Sample ID:	720-8008-A-1 MSD	Analysis Batch: 720-18993	Instrument ID: Varian 3900C
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	100		Initial Weight/Volume: 40 mL
Date Analyzed:	03/05/2007 1431		Final Weight/Volume: 40 mL
Date Prepared:	03/05/2007 1431		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	93	102	69 - 129	7	20		
Toluene	84	90	70 - 130	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	98	77 - 121
1,2-Dichloroethane-d4 (Surr)	90	95	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-19050

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19050/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2007 1118
Date Prepared: 03/07/2007 1118

Analysis Batch: 720-19050
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		50
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-19050

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-19050/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2007 1118
Date Prepared: 03/07/2007 1118

Analysis Batch: 720-19050
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methylene Chloride	ND		10
methyl isobutyl ketone	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	79	60 - 140
1,2-Dichloroethane-d4 (Surr)	90	60 - 140
Toluene-d8 (Surr)	91	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc.

Job Number: 720-8018-1

Lab Control Spike - Batch: 720-19050

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-19050/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2007 1045
Date Prepared: 03/07/2007 1045

Analysis Batch: 720-19050
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200703\03
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	100	102	102	69 - 129	
Chlorobenzene	100	108	108	61 - 121	
1,1-Dichloroethene	100	101	101	65 - 125	
Toluene	100	105	105	70 - 130	
Trichloroethene	100	107	107	74 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	80	60 - 140
1,2-Dichloroethane-d4 (Surr)	96	60 - 140
Toluene-d8 (Surr)	94	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-19050

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-8068-A-1 MS	Analysis Batch: 720-19050	Instrument ID: Varian 3900G
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\(
Dilution:	1.0		Initial Weight/Volume: 5.03 g
Date Analyzed:	03/07/2007 1259		Final Weight/Volume: 10 mL
Date Prepared:	03/07/2007 1259		

MSD Lab Sample ID:	720-8068-A-1 MSD	Analysis Batch: 720-19050	Instrument ID: Varian 3900G
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200703\03
Dilution:	1.0		Initial Weight/Volume: 5.11 g
Date Analyzed:	03/07/2007 1333		Final Weight/Volume: 10 mL
Date Prepared:	03/07/2007 1333		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	83	92	69 - 129	8	20		
Chlorobenzene	90	94	61 - 121	2	20		
1,1-Dichloroethene	90	101	65 - 125	10	20		
Toluene	84	88	70 - 130	3	20		
Trichloroethene	84	89	74 - 134	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	71	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	82	89	60 - 140
Toluene-d8 (Surr)	80	84	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Method Blank - Batch: 720-18877

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-18877/1-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 1200
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	80	50 - 130
Capric Acid (Surr)	0	0 - 5

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18877

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-18877/2-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 1107
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-18877/3-AA
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/06/2007 1133
Date Prepared: 03/02/2007 0647

Analysis Batch: 720-19098
Prep Batch: 720-18877
Units: ug/L

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	68	67	50 - 130	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	73	73	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Method Blank - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

Lab Sample ID: MB 720-18929/1-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1320
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.10 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.98
Motor Oil Range Organics [C24-C36]	ND		49

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5

Surrogate	% Rec	Acceptance Limits
p-Terphenyl	84	50 - 130

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-18929/2-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1143
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-18929/3-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/06/2007 1248
Date Prepared: 03/05/2007 0645

Analysis Batch: 720-19009
Prep Batch: 720-18929
Units: mg/Kg

Instrument ID: Varian DRO2
Lab File ID: N/A
Initial Weight/Volume: 5.25 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	107	106	50 - 130	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	96	97	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Engeo, Inc. Job Number: 720-8018-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-18929

Method: 8015B
Preparation: 3570
Silica Gel Cleanup

MS Lab Sample ID:	720-8018-20	Analysis Batch: 720-19009	Instrument ID: Varian DRO2
Client Matrix:	Solid	Prep Batch: 720-18929	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 5.11 g
Date Analyzed:	03/06/2007 1948		Final Weight/Volume: 5 mL
Date Prepared:	03/05/2007 0645		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	720-8018-20	Analysis Batch: 720-19009	Instrument ID: Varian DRO2
Client Matrix:	Solid	Prep Batch: 720-18929	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 5.24 g
Date Analyzed:	03/06/2007 2021		Final Weight/Volume: 5 mL
Date Prepared:	03/05/2007 0645		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	110	110	50 - 130	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	98	95	50 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Brewer, Melissa

From: Kelly Krohn [kkrohn@engeo.com]
Sent: Friday, March 02, 2007 4:49 PM
To: Brewer, Melissa
Subject: RE: Sample Login Confirmation for 720-8018: 224 Rickenbacker Circle

Thanks Melissa!

We're ready to release some of the soil samples for analysis. Please process the following:

S-4@25'
S-3@2'
S-3@4'
S-3@8'
S-3@10'
S-3@27'
S-5@30'

If you have any questions regarding this request, please feel free to contact me. Thanks again.

Kelly Krohn | *EN*GEO Incorporated - ***Expect excellence*** | 2010 Crow Canyon Place, Suite 250 | San Ramon, CA 94583 | Office: 925-866-9000 | Fax: 888-279-2698 | www.engeo.com

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From: Brewer, Melissa [mailto:mbrewer@stl-inc.com]
Sent: Friday, March 02, 2007 4:36 PM
To: Kelly Krohn
Subject: Sample Login Confirmation for 720-8018: 224 Rickenbacker Circle

Please let me know if you have any questions.

Melissa Brewer
STL San Francisco
(925) 484-1919
mbrewer@stl-inc.com
www.stl-inc.com
Leaders in Environmental Testing

Reference: [008905]
Attachments: 3

720-8018

104330

CHAIN OF CUSTODY RECORD

PROJECT NUMBER:	PROJECT NAME:
7584.P.001.01	224 Rickenbacker Circle

SAMPLED BY: (SIGNATURE/PRINT) Kelly Krohn

PROJECT MANAGER: Kelly Krohn

ROUTING: E-MAIL kkrohn@engeo.com Hard Copy Kelly Krohn

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	TEPH DIESEL, MOTOR OIL, SILICA GEL CLEANUP	TPH GASOLINE	VOCs (8260)	REMARKS REQUIRED DETECTION LIMITS
S-4@5'	3/1/07	10:02	Soil	1	Liner	Ice	X	X	X	Hold
S-4@10'		10:26	Soil	1	Liner	Ice	X	X	X	Hold
S-4@20'		10:42	Soil	1	Liner	Ice	X	X	X	Hold
S-4@25'		10:48	Soil	1	Liner	Ice	X	X	X	Hold
S-4@30'		11:09	Soil	1	Liner	Ice	X	X	X	Hold
S-4		11:32	H_2O	2 Ambers 6 VOAs	-	Ice/HCl	X	X	X	
S-3@2'		12:13	Soil	1	Liner	Ice	X	X	X	Hold
S-3@3'		12:10	Soil	1	Liner	Ice	X	X	X	Hold
S-3@4'		12:12	Soil	1	Liner	Ice	X	X	X	Hold
S-3@5'		11:54	Soil	1	Liner	Ice	X	X	X	Hold
S-3@8'		12:16	Soil	1	Liner	Ice	X	X	X	Hold
S-3@10'		11:58	Soil	1	Liner	Ice	X	X	X	Hold
S-3@20'		12:20	Soil	1	Liner	Ice	X	X	X	Hold
S-3@27'		12:33	Soil	1	Liner	Ice	X	X	X	Hold
S-3		13:30	H_2O	2 Ambers 6 VOAs	-	Ice/HCl	X	X	X	
S-5@25'		14:20	Soil	1	Liner	Ice	X	X	X	Hold
S-5@5'		14:10	Soil	1	Liner	Ice	X	X	X	Hold
S-5@10'		14:16	Soil	1	Liner	Ice	X	X	X	Hold
S-5@20'		14:28	Soil	1	Liner	Ice	X	X	X	Hold
S-5@30'		14:43	Soil	1	Liner	Ice	X	X	X	Hold

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	3/1/07 4:45			03-01-07 4:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	

ENGEO INCORPORATED

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

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720 · 8018

104330

CHAIN OF CUSTODY RECORD

PROJECT NUMBER:	PROJECT NAME:
7584.P.001.01	224 Rickenbacker Circle

SAMPLED BY: (SIGNATURE/PRINT)
Kelly Krohn

PROJECT MANAGER:
Kelly Krohn

ROUTING: E-MAIL kkrohn@engeo.com Hard Copy Kelly Krohn

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	TEPH DIESEL, MOTOR OIL, SILICA GEL CLEANUP	TPH GASOLINE	VOCs (8260)	REMARKS REQUIRED DETECTION LIMITS
S-5	3/1/07	15:20	H_2O	3 Amber 6 VOA		Ice/HCl	X	X	X	

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	3/1/07 4.45				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	

ENGEO INCORPORATED

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SAN RAMON, CALIFORNIA 94583
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LOGIN SAMPLE RECEIPT CHECK LIST

Client: Engeo, Inc. Job Number: 720-8018-1

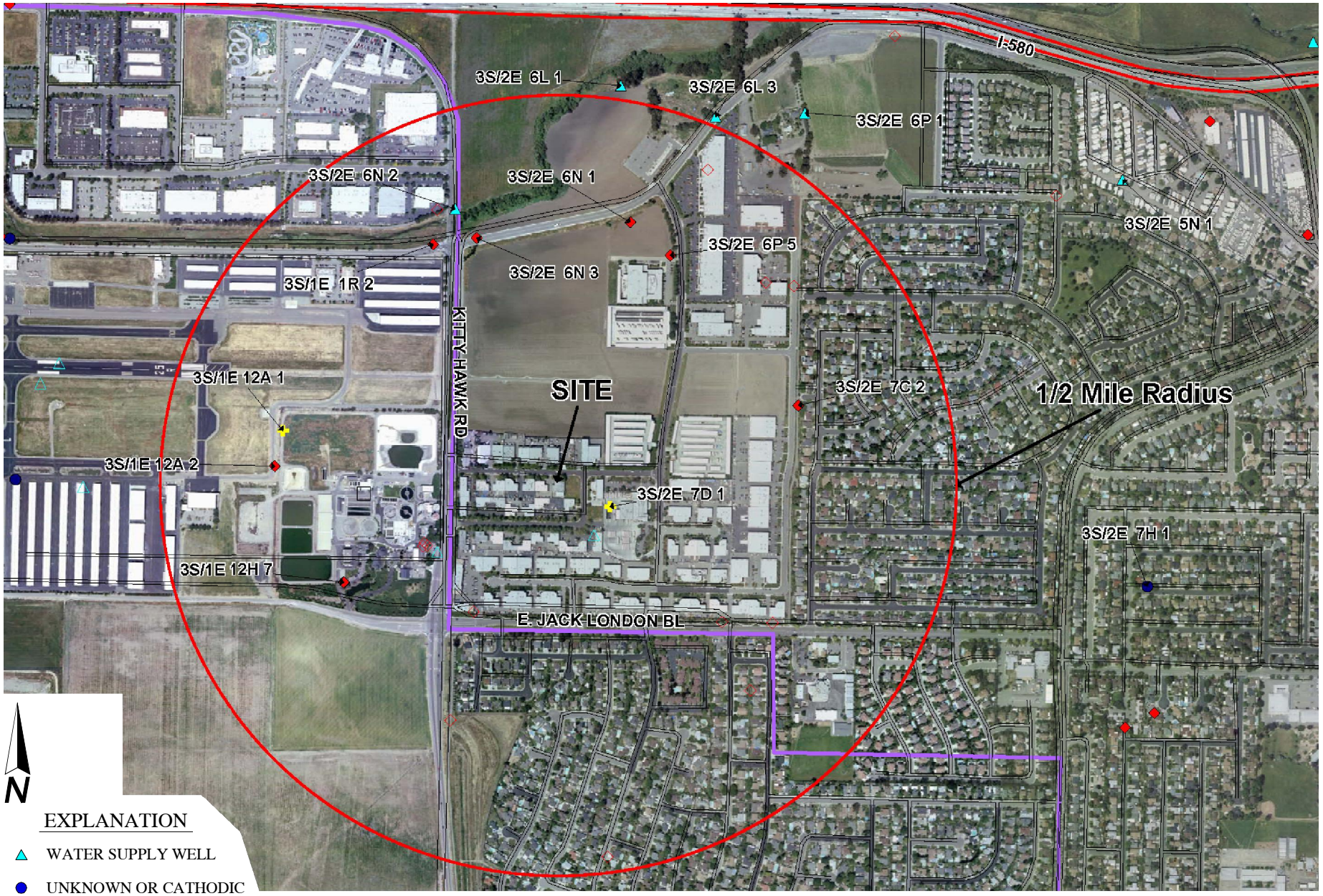
Login Number: 8018

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
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.	False	Received 5 VOAs for S-3
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX C

ZONE 7 WATER AGENCY

½-Mile Well Search Results



EXPLANATION

- WATER SUPPLY WELL
- UNKNOWN OR CATHODIC PROTECTION WELL
- MONITORING WELL
- ABANDONED SUPPLY WELL
- DESTROYED WELL

BASE MAP SOURCE: ZONE 7 WATER AGENCY

NO SCALE

ENGEO INCORPORATED
EXCELLENT SERVICE SINCE 1971

WELL LOCATION MAP

RICKENBACKER CIRCLE

LIVERMORE, CALIFORNIA

PROJECT NO.:	7584.P.001.01
DATE:	APRIL 2007
DRAWN BY:	DLB
CHECKED BY:	JB

APPENDIX NO. C1

ORIGINAL FIGURE PRINTED IN COLOR