



An Employee Owned Company

**RECEIVED**

10:31 am, Jan 14, 2009

Alameda County  
Environmental Health

January 13, 2009

Mr. Peter Armstrong  
EAH Housing Inc.  
2169 East Francisco Boulevard, Suite B  
San Rafael, California 94901

RE: Phase II Environmental Site Assessment (ESA) Report/UST Closure  
3761 Park Boulevard Way, Oakland, California  
*Project Number 6783-013.01*

Dear Mr. Armstrong:

Please find the enclosed two copies of the Additional Phase II ESA/UST Closure Report for 3761 Park Boulevard Way, Oakland, California. The primary goals of this investigation and report were to identify the extent of soil and groundwater impact related to the former underground storage tank (UST) at 3761 Park Boulevard Way, Oakland, California (the Site).

If you have any questions regarding the report, please contact me at (510) 638-8400, ext. 110 or email me at [jsiudyla@accenv.com](mailto:jsiudyla@accenv.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Julia Siudyla', with a stylized flourish at the end.

Julia Siudyla  
Project Geologist

Enclosures



**Additional Phase II Environmental Site Assessment/UST Closure Report**

**3761 Park Boulevard Way  
Oakland, California**

*ACC Project Number: 6783-001.01*

Prepared for:

Mr. Peter Armstrong  
EAH Housing Inc.  
2169 East Francisco Boulevard, Suite B  
San Rafael, California 94901

January 13, 2009

A handwritten signature in black ink, appearing to read 'Julia Siudyla', written over a horizontal line.

Prepared by:

Julia Siudyla  
Project Geologist

A handwritten signature in black ink, appearing to read 'Misty C. Kaltreider', written over a horizontal line.

Reviewed by:

Misty C. Kaltreider, PG 7016, CEG 2466  
Engineering Geologist



## TABLE OF CONTENTS

	Page
<b>1.0 INTRODUCTION</b> .....	1
<b>2.0 BACKGROUND</b> .....	1
<b>2.1 Previous Site Investigation/Phase II ESA</b> .....	1
<b>3.0 FIELD PROCEDURES DECEMBER 22, 2008</b> .....	2
<b>3.1 Soil Borings</b> .....	2
<b>4.0 FINDINGS</b> .....	3
<b>4.1 Subsurface Conditions</b> .....	3
<b>4.2 Analytical Results</b> .....	5
<b>5.0 DISCUSSION</b> .....	6
<b>6.0 CONCLUSIONS</b> .....	7
<b>7.0 RECOMMENDATIONS</b> .....	8
<b>8.0 LIMITATIONS</b> .....	8

### TABLES

1 – Soil and Groundwater Sample Analytical Summary Table

### FIGURES

1 – Location Map

2 – Site Map

### APPENDICES

1 – Analytical Results and Chain of Custody Record

2 – Soil Boring Logs

**Additional Phase II Environmental Site Assessment/UST Closure Report  
3761 Park Boulevard Way  
Oakland, California**

## **1.0 INTRODUCTION**

At the request of the EAH Housing, Inc, ACC Environmental Consultants (ACC) has prepared this Additional Phase II ESA/UST Closure Report summarizing subsurface investigation work performed at 3761 Park Boulevard Way, Oakland, California (Site). The primary goals of this investigation and report were to identify the extent of soil and groundwater impact related to the former underground storage tank (UST) at 3761 Park Boulevard Way, Oakland, California. See Figure 1 for a Location Map

## **2.0 BACKGROUND**

The Site is located at 3761 Park Boulevard Way in Oakland, California. The Site is comprised of an approximately 0.6-acre parcel located on the northeast side of Park Boulevard Way. The subject property is developed with a five story, u-shaped building comprising 70,000-square feet of multi-tenant apartments. The building consists of 84 one-bedroom apartments, and several common areas and two passenger elevators. The building has been improved with carpet, vinyl floor tiles, ceramic tile, acoustical ceiling tiles, baseboard, and gypsum wallboard. The building also has a ground level parking garage located below the southeastern portion of the building.

The subject property is known to be a historical gas station. The historical resources utilized in the Phase I ESA (EDR City Directories and the historical Sanborn maps) indicated that the subject property was occupied by a former gas station (Ritchey's Union Service Station and Earl's Union 76) from approximately 1950-1970. No information pertaining to the former gas station on the subject property was obtained from the City of Oakland Fire Department, the California EPA-Regional Water Quality Control Board, the California EPA-Department of Toxic Substance Control, Region 2 or Alameda County Environmental Health. The presence of a former gas station on the subject property is interpreted to be a recognized environmental condition. Further investigation was deemed warranted.

### ***2.1 Previous Site Investigation/Phase II ESA***

On November 17, 2008, ACC conducted a ground penetrating radar survey of the site to determine if a UST was present at the Site and performed four soil borings at the Site to determine if the site was impacted with petroleum constituents related to the former UST.

The GPR survey did not identify or locate any USTs in the area of the subject property believed to contain the former UST.

On December 2, 2008, four exploratory soil borings were advanced at representative locations. Approximate soil boring locations are illustrated on Figure 2. Each soil boring was continuously cored to facilitate logging and screening encountered soils and to obtain soil sample intervals for potential laboratory analysis. Two soil samples were collected from soil boring SB-1, SB-2, and SB-4. No soil samples were collected from soil boring SB-3; refusal was encountered at 2.5 feet below ground surface (bgs) in this soil boring. Each of the two soil samples were from each soil boring location were composited for analysis. Three composite soil samples were analyzed for TPHg, benzene, toluene, ethylbenzene, xylenes and MTBE by EPA Method 8260B, and TEPH as diesel and motor oil by EPA Method 8015M.

In the composite soil sample SB-1 (SB-1 (6.5-7.0) and SB-1 (17-18)), TPH as gasoline was detected at 260 mg/kg; Benzene was detected at < 0.98 mg/kg; and ethyl benzene was detected at 4.7 mg/kg, above their respective environmental screening levels (ESLs) for residential land use. In the composite soil sample SB-2 (SB-2 (5-6) and SB-2 (9.5-10.5)); TPH as gasoline was detected at 280 mg/kg and Benzene was detected at < 0.98 mg/kg, above their respective ESLs for residential land use. In the composite soil sample SB-4 (SB-4 (4-5) and SB-4 (10-12)), TEPH as motor oil was detected at 550 mg/kg above its ESL.

Based on the analytical results the composite soil samples SB-1 (6.5-7.0) /SB-1 (17-18) and SB-2 (5-6)/SB-2 (9.5-10.5) were run as independent samples in an effort to determine the depth of contamination. In soil sample SB-1 (6.5-7.0) TPHg was detected at 380 mg/kg, benzene was detected at <2.2mg/kg and ethyl benzene was detected at 6.7 mg/kg, above there respective ESLs for residential land use in shallow soils. In soil sample SB-1 (17-18) TPHg was detected at 1.4 mg/kg, which is below its ESL for residential land use in deep soils. In soil sample SB-2 (5-6) TPHg was detected at 290 mg/kg and benzene was detected at <0.98 mg/kg, above there respective ESLs for residential land use in shallow soils. In soil sample SB-2 (9.5-10.5) TPHg was detected as 5.7 mg/kg, which is below its ESL for residential land use in deep soils.

### **3.0 FIELD PROCEDURES DECEMBER 22, 2008**

#### **3.1 *Soil Borings***

On December 22, 2008, ACC's Staff Geologist, Julia Siudyla, performed seven (7) additional soil borings in an effort to determine the extent of soil impact and to determine if groundwater at the site is impacted. The subsurface materials in the soil borings were identified and classified. Soil borings were continuously cored using a pneumatic Geoprobe® sampling tool. ACC utilized a four-foot long, stainless steel Geoprobe® macro-core sampling tool equipped with 2-inch inside-diameter clear acetate liners. The sampling probe and rods were pre-cleaned prior to use and between sample drives by washing them with a trisodium phosphate and potable water solution and two potable water rinses. Upon removal from the sampler, each recovered soil core was visually inspected. Subsurface materials in the soil borings were identified and classified during drilling operations according to the Unified Soil Classification System (USCS).

Seven (7) exploratory soil borings were advanced at select locations. Approximate soil boring locations are illustrated on Figure 2. Each soil boring was continuously cored to maximum depths of 20 to 25 feet bgs to facilitate logging and screening encountered soils and to obtain soil sample intervals for potential laboratory analysis. Due to the physical limiting conditions (height restrictions which precluded the use of a truck mounted drilling rig in the garage area, limited access to the courtyard and dense clay soils) continuous coring below 25 feet bgs was not feasible.

Three (3) soil samples were collected from soil borings SB-6, SB-7 and SB-8. However, only two samples from these three soil borings were submitted for analysis (SB-6 (4-5), SB-6 (9-20), SB-7 (9-10), SB-7 (23-24), SB-8 (5-6) and SB-8 (24-25)). Two soil samples were collected from soil borings SB-9, SB-10 and SB-11. Both of the soil samples from these soil borings were submitted for analysis (SB-9 (3-4), SB-9 (15-16), SB-10 (7-8), SB-10 (15-16), SB-11 (7-8) and SB-11 (15-16)). Each soil sample was labeled, and stored in a pre-chilled, insulated container to be transported following chain of custody protocol to TestAmerica (formerly STL San Francisco), a state-certified analytical laboratory. Three composite soil samples were analyzed for TPHg, benzene, toluene, ethylbenzene, xylenes and MTBE by EPA Method 8260B and TEPH as diesel and motor oil by EPA Method 8015M.

Following drilling and sample collection, each soil boring location was abandoned with neat cement to the surface (2 to 3 inches). The surface of each boring location was completed with concrete to grade.

Prior to conducting all invasive work, ACC contacted Underground Service Alert, an underground utility locator, to mark all utilities at the subject property.

## **4.0 FINDINGS**

### **4.1 *Subsurface Conditions***

Soil boring SB-6 was conducted on the northeastern side of area reported (by Mr. Mortimer Howard, current property owner) to formerly contain the UST. The area of the former UST is located in the southeastern corner of the subject building in the parking garage. This area of the parking garage is paved with concrete, with caissons and other structural elements located below it.

Soil borings SB-5, SB-7, SB-8, SB-9 and SB-11 were conducted around the periphery of the area of the former UST to aid in determining the extent of soil impact. Soil borings SB-5, SB-7, and SB-8 were also conducted to determine if groundwater was impacted by the release from the former UST. Soil borings SB-7 and SB-11 were collected from inside of the parking garage, which is paved with concrete. Soil samples SB-5, SB-8, and SB-9 were collected from outside of the subject building and the ground surface was not paved.

Soil sample SB-10 was conducted in the vicinity of the former dispenser island/pump location (as identified by Mr. Mortimer Howard). This soil boring was conducted outside of the subject building and the ground surface was not paved.

Soil boring SB-5 was conducted to the south of the former UST location, in a presumed up gradient location (based on topography). This soil boring was conducted to a maximum depth of 50 bgs. No physical limitations were encountered while conducting this soil boring. Soils in this boring were only logged to 20 feet bgs. This soil boring was mostly comprised of clay with sand and slightly to moderately plastic clay with fine to medium grained sand and silts. No evidence of impact was observed in any of the soil from this boring. No detectable photo ionization detector (PID) readings were observed. Three soil samples were collected from this soil boring, SB-5 (4-5), SB-5 (15-16), and SB-5 (19-20). Two soil samples (SB-5 (15-16) and SB-6 (19-20)) were submitted to the laboratory for analysis. Groundwater was encountered at 50 feet bgs in this soil boring and was sampled.

Soil boring SB-6 was conducted in what was identified to be the northeastern side of the former tank location. This soil boring was conducted to a maximum depth of 30 feet bgs. Due to the physical limitations of the site (height of the garage) 30 feet bgs was the maximum depth achievable with the limited access equipment utilized. Due to the constraints of the limited access equipment, soils in this boring were only logged to 20 feet bgs. This soil boring was mostly comprised of clay with sand and slightly to moderately plastic clay. However, a zone of fine to medium grained sand was observed from 5 to 9 feet bgs. Visual (staining and discoloration) and olfactory evidence (gasoline odor) of contamination was evident in this soil boring from approximately 5 to 9 feet bgs. The PID reading was 3291 ppmv at approximately 4 to 5 feet bgs. Three soil samples were collected from this soil boring, SB-6 (4-5), SB-6 (8-9), and SB-6 (19-20). Two soil samples (SB-6 (4-5) and SB-6 (19-20)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

Soil boring SB-7 was conducted to the east-notheast of the former UST basin, in a presumed side gradient location (based on topography). This soil boring was conducted to a maximum depth of 36 bgs. Due to the physical limitations of the site (height of the garage) 36 feet bgs was the maximum depth achievable with the limited access equipment utilized. Due to the constraints of the limited access equipment, soils in this boring were only logged to 24 feet bgs. This soil boring was mostly comprised of clay with sand and slightly to moderately plastic clay with fine to medium grained sand and silts. Visual (discoloration) and olfactory evidence (gasoline odor) of contamination was evident in this soil boring from approximately 9 to 12 feet bgs. The maximum PID reading was 197 ppmv at approximately 10 feet bgs. Three soil samples were collected from this soil boring, SB-7 (4-5), SB-7 (9-10) and SB-7 (23-24). Two soil samples (SB-7 (9-10) and SB-7 (23-24)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

Soil boring SB-8 was conducted to the north of the former UST basin, in a presumed down gradient location (based on topography). This soil boring was conducted to a maximum depth of 36 feet bgs. Due to the physical limitations of the site (access to the courtyard) 36 feet bgs was the maximum depth

achievable with the limited access equipment utilized. Due to the constraints of the limited access equipment, soils in this boring were only logged to 25 feet bgs. This soil boring was mostly comprised of clay with sand and slightly to moderately plastic clay with fine to medium grained sand. No evidence of impact was observed in any of the soil from this boring. No detectable PID readings were observed. Three soil samples were collected from this soil boring, SB-8 (5-6), SB-8 (18-19) and SB-8 (24-25). Two soil samples (SB-8 (5-6) and SB-8 (24-25)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

Soil boring SB-9 was conducted to the northwest of the former UST basin, in a presumed side gradient location (based on topography). This soil boring was conducted to a maximum depth of 16 feet bgs. This soil boring was mostly comprised of clay with sand and slightly to moderately plastic clay with fine to medium grained sand and silts. No evidence of impact was observed in any of the soil from this boring. No detectable PID readings were observed. Two soil samples were collected from this soil boring, SB-9 (3-4) and SB-9 (15-16). Two soil samples (SB-9 (3-4) and SB-9 (15-16)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

Soil boring SB-10 was conducted in the vicinity of the former dispenser island/pump location (as identified by Mr. Mortimer Howard). This soil boring was conducted to a maximum depth of 16 feet bgs. This was mostly comprised of clay with sand and highly plastic clay. Visual (discoloration) and olfactory evidence (gasoline odor) of contamination was evident in this soil boring from approximately 9 to 16 feet bgs. The maximum PID reading was 2026 ppm at approximately 15 feet bgs. Two soil samples were collected from this soil boring, SB-10 (7-8) and SB-10 (15-16). Two soil samples (SB-10 (7-8) and SB-10 (15-16)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

Soil boring SB-11 was conducted to the south-southeast of the former UST basin. This soil boring was conducted to a maximum depth of 16 feet bgs. This was mostly comprised of clay with sand and highly plastic clay. No evidence of impact was observed in any of the soil from this boring. The maximum PID reading was 121 ppm at approximately 7 feet bgs. Two soil samples were collected from this soil boring, SB-11 (7-8) and SB-11 (15-16) and both soil samples (SB-11 (7-8) and SB-11 (15-16)) were submitted to the laboratory for analysis. Groundwater was not encountered in this soil boring and thus was not sampled.

#### **4.2 Analytical Results**

- Soil samples SB-5 (4-5), SB-6 (8-9), SB-7 (4-5), and SB-8 (18-19) were not submitted for laboratory analysis.
- Soil samples SB-5 (15-16), SB-6 (19-20), SB-7 (23-24), SB-8 (5-6), SB-9 (3-4), SB-9 (15-16), SB-10 (7-8) and SB-11 (15-16) did not have any detections of target compounds.



- In soil samples SB-5 (19-20) and SB-7 (9-10) TPH as diesel was detected at 1.4 mg/kg and 3.2 mg/kg respectively. These concentrations are below the TPH as diesel environmental screening level (ESLs) for deep soils and residential land use.
- In soil sample SB-6 (4-5) TPH as diesel was detected 110 mg/kg, which is above its ESL for shallow soils and residential land use. TPH as gasoline and TPH as motor oil were also detected at 8.1 mg/kg and 340 mg/kg. However, these concentrations are below their respective ESLs for shallow soils and residential land use.
- In soil sample SB-8 (24-25) TPH as gasoline was detected at 0.25 mg/kg, which is below its respective ESL for shallow soils and residential land use.
- In soil sample SB-10 (15-16) TPH as gasoline, TPH as diesel and TPH as motor oil were detected at 0.69 mg/kg, 5.9 mg/kg and 52 mg/kg respectively. However, these concentrations are below their respective ESLs for deep soils and residential land use.
- In soil sample SB-11 (7-8) TPH as diesel and TPH as motor oil were detected at 48 mg/kg and 53 mg/kg respectively. However, these concentrations are below their respective ESLs for shallow soils and residential land use.
- In the groundwater sample SB-5 (water) TPH as diesel and TPH as motor oil were detected at 220 µg/l and < 500 µg/l respectively. These concentrations are above their respective ESLs for drinking water and non drinking water sources.

Based on the analytical results discussed above the only samples with constituents detected above their respective ESL are soil sample SB-6 and the groundwater sample SB-5. Furthermore, the levels detected only slightly exceed their respective ESLs.

A Soil and Groundwater Sample Analytical Summary Table is provided as Table 1.

## 5.0 DISCUSSION

The primary goals of this investigation and report were to identify the extent of soil and groundwater impact related to the former UST at the Site. The former UST was reportedly removed in the 1970s. ACC conducted a GPR survey of the property on November 17, 2008, which verified that there are no USTs in the identified areas of the subject property. It should be noted that after the UST was removed from the Site in the 1970s, the Site underwent major redevelopment. As a part of the redevelopment approximately 4 to 6 feet of elevation was removed from the southeastern portion of the subject property (the garage area and courtyard areas) in order to construct the current multi-family affordable housing project on the site.

ACC advanced seven (7) exploratory soil borings in select locations relative to probable sources of contamination, such as the former UST locations and the dispenser islands/pump locations. The soil boring locations were selected to define the extent of soil impact. These soil boring locations were also selected to determine if groundwater was impacted and to define groundwater impact.

Logging continuously cored soil borings confirmed that low permeable clays are the predominant soil type to approximately 30 feet bgs. Soil samples were logged and screened with a PID and representative samples were submitted for analysis. Groundwater was encountered at approximately 50 feet bgs.

Based on the subsurface investigation, it appears that a release of petroleum hydrocarbons associated with the former underground storage of petroleum hydrocarbons has occurred. However, the residual concentrations reported in the soil samples indicate that the impact is limited to the upper 4 - 6 feet below existing grade around the reported location of the former UST(s) and appears to be degraded due to lack of reportable volatile component (BTEX) in the samples. The existing grade is believed to be approximately 4-6 feet below the original ground surface at the time when USTs were at the Site. Therefore, the residual concentrations reported in the soil are likely at 8-14 feet below original grade and likely represent the bottom of the former tank excavation. The fine-grain soil observed in the borings likely limited the lateral and vertical extent of the release; whereas, the residual concentrations reported in the soil and groundwater are only slightly above the ESLs for residential usage. Since the residual concentrations are highly weathered and limited in lateral and vertical extent, natural degradation should continue without additional investigation or remediation. Therefore, no further work is recommended for this Site.

## **6.0 CONCLUSIONS**

Based on sample analytical results and field observations, ACC has concluded the following:

- The residual concentrations reported in the soil samples indicate that the impact is limited to the upper 4-6 feet below existing grade around the reported location of the former UST(s) and appears to be degraded due to lack of reportable volatile component (BTEX) in the samples.
- The fine-grain soil observed in the borings likely limited the lateral and vertical extent of the release; whereas, the residual concentrations reported in the soil and groundwater are only slightly above the ESLs for residential usage. Since the residual concentrations are highly weathered and limited in lateral and vertical extent, natural degradation should continue without additional investigation or remediation.
- Based on the analytical results from both field investigations conducted at the subject property a potential vapor intrusion condition does not exist at the Site.
- No further work is recommended for this site.
- Information summarized in this report should be forwarded by the current property owner to Alameda County Environmental Health.

## **7.0 RECOMMENDATIONS**

Based on conclusions of this investigation, ACC recommends the following:

- No further work is recommended for this site.
- Information summarized in this report should be forwarded by the current property owner to Alameda County Environmental Health.

## **8.0 LIMITATIONS**

The service performed by ACC has been conducted in a manner consistent with the levels of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

The conclusions presented in this report are professional opinions based on the indicated data described in this report and applicable regulations and guidelines currently in place. They are intended only for the purpose, site, and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of our study.

ACC has included analytical results from a state-certified laboratory, which performs analyses according to procedures suggested by the U.S. Environmental Protection Agency and the State of California. ACC is not responsible for laboratory errors in procedure or result reporting.

**TABLE 1**  
**Soil Sample Analytical Summary Table (12-2-08)**  
**3761 Park Boulevard Way**  
**ACC Project Number: 6783-013.01**

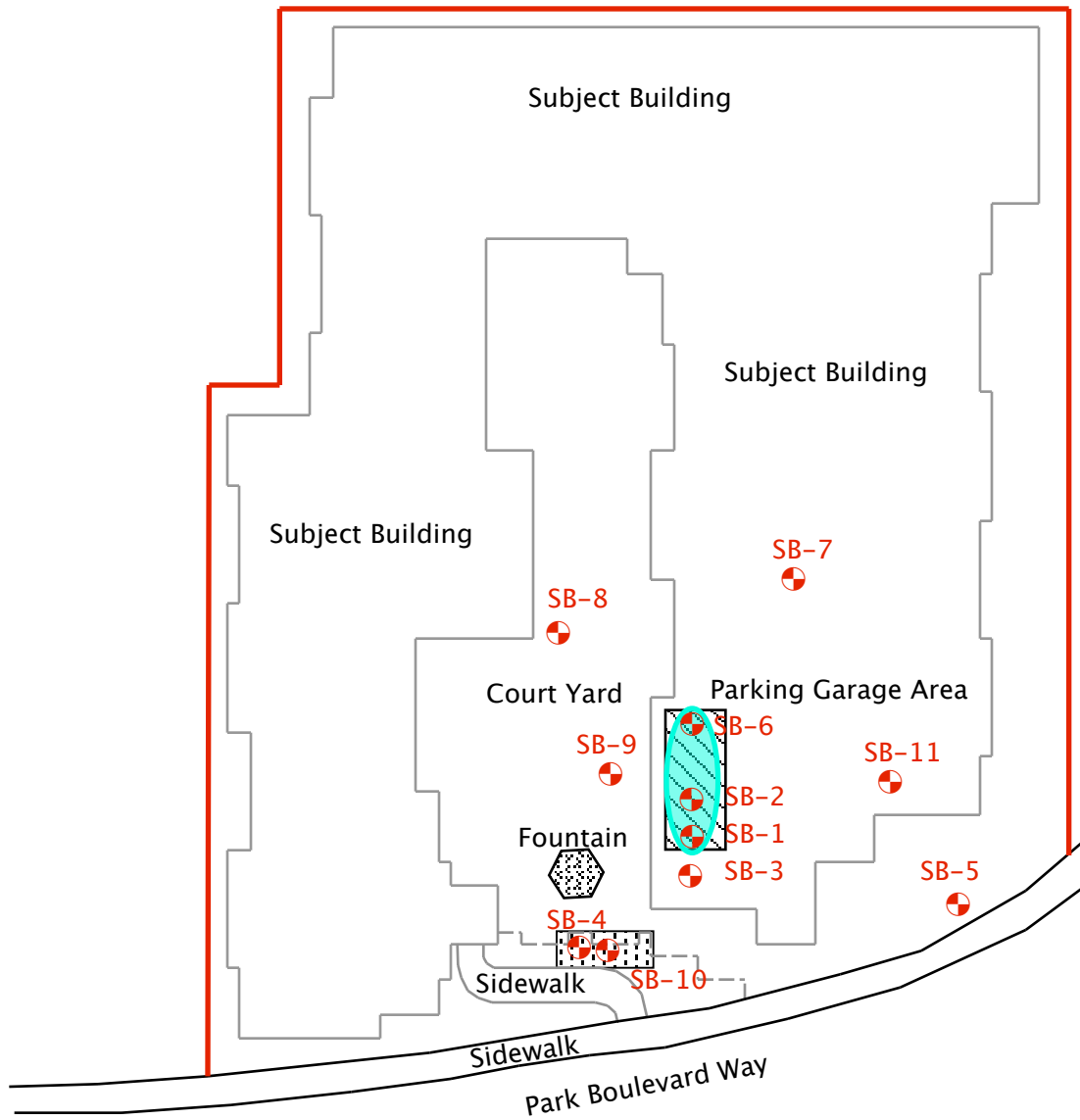
Boring ID & Depth (feet bgs)	Sampling Date	Matrix	Constituents & Concentrations							
			Soil concentrations in mg/kg; Water concentrations in µg/l							
			TPHg	TEPH-d	TEPH-mo	MTBE	Benzene	Toluene	Ethylbenzene	Xylene
SB-1 - (6.5-7.0) & (17-18)	2-Dec-08	Soil (mg/kg)	260	34	55	< 0.98	< 0.98	< 0.98	4.7	8.5
SB-1- (6.5-7.0)	2-Dec-08	Soil (mg/kg)	380	NA	NA	NA	<2.2	NA	6.7	NA
SB-1- (17-18)	2-Dec-08	Soil (mg/kg)	1.4	NA	NA	NA	<0.0049	NA	<0.0049	NA
SB-2 - (5-6) & (9.5-10.5)	2-Dec-08	Soil (mg/kg)	280	90	340	< 0.98	< 0.98	< 0.98	< 0.98	< 2.0
SB-2 - (5-6)	2-Dec-08	Soil (mg/kg)	290	NA	NA	NA	< 0.94	NA	NA	NA
SB-2 - (9.5-10.5)	2-Dec-08	Soil (mg/kg)	5.7	NA	NA	NA	<0.024	NA	NA	NA
SB-4 - (4-5) & (10-12)	2-Dec-08	Soil (mg/kg)	0.33	73	550	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
SB-4 - (4-5)	2-Dec-08	Soil (mg/kg)	NA	NA	NA	NA	< 0.0048	< 0.0048	< 0.0048	<0.0095
SB-4 - (10-12)	2-Dec-08	Soil (mg/kg)	NA	NA	NA	NA	< 0.0046	< 0.0046	< 0.0046	<0.0093
SB-5 (15-16)	22-Dec-08	Soil (mg/kg)	< 0.24	< 0.98	< 49	< 0.0047	< 0.0047	< 0.0047	< 0.0047	< 0.0094
SB-5 (19-20)	22-Dec-08	Soil (mg/kg)	< 0.25	1.4	< 50	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
SB-6 (4-5)	22-Dec-08	Soil (mg/kg)	8.1	110	340	< 0.025	< 0.025	< 0.025	< 0.025	< 0.049
SB-6 (19-20)	22-Dec-08	Soil (mg/kg)	< 0.24	< 0.98	< 49	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0098
SB-7 (9-10)	22-Dec-08	Soil (mg/kg)	< 0.25	3.2	< 49	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010
SB-7 (23-24)	22-Dec-08	Soil (mg/kg)	< 0.23	< 1.0	< 50	< 0.0047	< 0.0047	< 0.0047	< 0.0047	< 0.0093
SB-8 (5-6)	22-Dec-08	Soil (mg/kg)	< 0.24	< 0.99	< 50	<0.0048	< 0.0048	< 0.0048	< 0.0048	<0.0095
SB-8 (24-25)	22-Dec-08	Soil (mg/kg)	0.25	< 0.98	< 49	< 0.0047	< 0.0047	< 0.0047	< 0.0047	< 0.0094
SB-9 (3-4)	22-Dec-08	Soil (mg/kg)	< 0.24	< 1.0	< 50	< 0.0047	< 0.0047	< 0.0047	< 0.0047	< 0.0094
SB-9 (15-16)	22-Dec-08	Soil (mg/kg)	< 0.24	< 0.99	< 50	<0.0048	< 0.0048	< 0.0048	< 0.0048	<0.0095
SB-10 (7-8)	22-Dec-08	Soil (mg/kg)	< 0.25	< 0.99	< 50	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0099
SB-10 (15-16)	22-Dec-08	Soil (mg/kg)	0.69	5.9	52	< 0.0047	< 0.0047	< 0.0047	< 0.0047	< 0.0094
SB-11 (7-8)	22-Dec-08	Soil (mg/kg)	< 0.24	48	53	<0.0048	< 0.0048	< 0.0048	< 0.0048	<0.0097
SB-11 (15-16)	22-Dec-08	Soil (mg/kg)	< 0.24	< 0.99	< 50	<0.0048	< 0.0048	< 0.0048	< 0.0048	<0.0097
SB-5 (Water)	22-Dec-08	Water (ug/L)	< 50	220	< 500	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0
**ESLs - Residential (unrestricted site usage)	Shallow Soil (< 3 m)	Soil (mg/kg)	100	100	370	8.4	0.12	9.3	2.3	11
	Deep Soil (>3 m)	Soil (mg/kg)	180	180	5000	8.4	2	9.3	4.7	11
**ESLs - Commercial site usage	Shallow Soil (< 3 m)	Soil (mg/kg)	180	180	2500	8.4	0.270	9.3	4.7	11
	Deep Soil (>3 m)	Soil (mg/kg)	180	180	5000	8.4	2.0	9.3	4.7	11
**ESLs - Non Drinking Water Source		Water (µg/l)	210	210	210	1800	46	130	43	100
**ESLs - Drinking Water Source		Water (µg/l)	100	100	100	5	1	40	30	20

Notes






\*\*ESLs = Bay Area Regional Water Quality Control Board Environmental Screening Levels (Interim Final May 2008), where groundwater is NOT a source of Drinking Water

NA= Not Analyzed

Bolded and Highlighted Values Exceed Their Respective ESLs



LEGEND

-  Approximate Location of Former UST
-  Approximate Location of Property Boundary
-  Sample Locations
-  Approximate Location of Former Dispenser Island
-  Approximate Extent of Soil Impact (Exceeding ESLs)

Title: **Sample Location Map**  
**3761 Park Boulevard Way**  
**Oakland, California**

Figure Number: 2

Scale: None

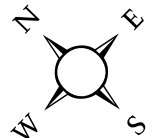
Project Number: 6783-001.01

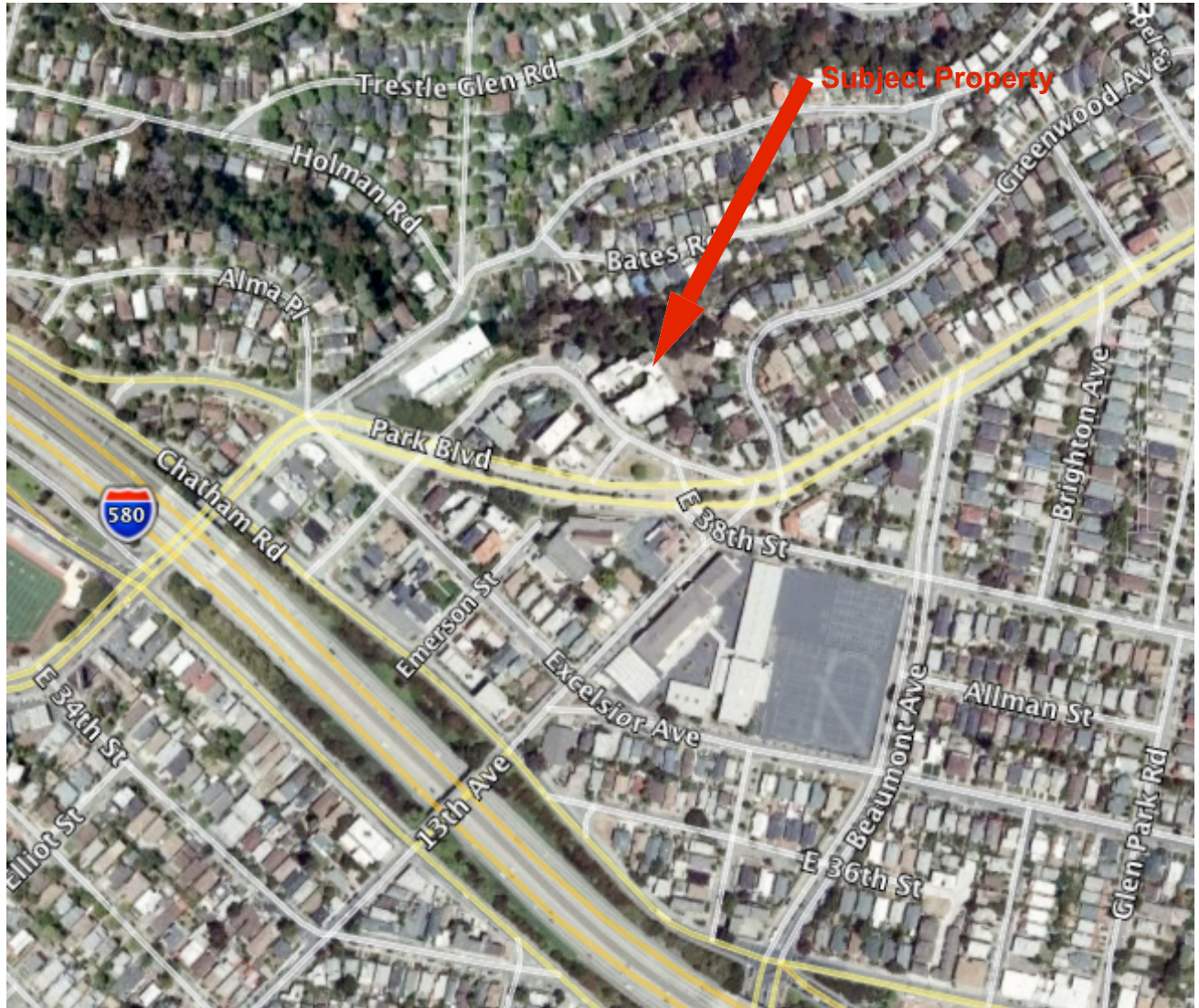
Drawn By: JMS

Date: 12/31/08

**A·C·C**  
**ENVIRONMENTAL**  
**CONSULTANTS**

An Employee Owned Company  
 7977 Capwell Drive, Suite 100  
 Oakland, California 94621  
 (510) 638-8400 Fax: (510) 638-8404





Source: Google Earth, 2007

Title: **Location Map**  
**3761 Park Boulevard Way**  
**Oakland, California**

Figure Number: 1

Scale: None

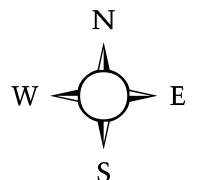
Project Number: 6783-013.00

Drawn By: JMS

Date: 10/10/08



7977 Capwell Drive, Suite 100  
 Oakland, California 94621  
 (510) 638-8400 Fax: (510) 638-8404





## ANALYTICAL REPORT

Job Number: 720-17453-1

Job Description: 3761 Park Blvd. Way

For:

ACC Environmental Consultants

7977 Capwell Drive

Suite 100

Oakland, CA 94621

Attention: Julia Siudyla



Approved for release.  
Melissa Brewer  
Project Manager I  
12/31/2008 11:57 AM

---

Melissa Brewer  
Project Manager I  
melissa.brewer@testamericainc.com  
12/31/2008

**Job Narrative**  
**720-J17453-1**

**Comments**

No additional comments.

**Receipt**

SB-5 (4-5), SB-6 (8-9), SB-7 (4-5), no analyses or HOLD is marked on the COC.

MTBE is not marked on the Chain of Custody for page 1, but is marked for page 2 samples.

Analyze MTBE for all samples and hold the samples that are not checked for analysis per Julia on 12/23/08.

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

**GC/MS VOA**

Method 8260B/CA\_LUFTMS: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 45371 was outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

**GC VOA**

No analytical or quality issues were noted.

**GC Semi VOA**

Method 8015B: Concentrations reported represent individual or discrete peaks: SB-5 (19-20) (720-17453-3).

Method 8015B: Capric acid surrogate recovery for the following sample was outside control limits: SB-11 (7-8) (720-17453-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.



## EXECUTIVE SUMMARY - Detections

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>720-17453-3</b> <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	<b>SB-5 (19-20)</b>	1.4	0.99	mg/Kg	8015B
<b>720-17453-4</b> <i>Silica Gel Cleanup</i> Gasoline Range Organics (GRO)-C5-C12 Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]	<b>SB-6 (4-5)</b>	8.1 110 340	1.2 1.0 50	mg/Kg mg/Kg mg/Kg	8260B/CA_LUFTMS 8015B 8015B
<b>720-17453-8</b> <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	<b>SB-7 (9-10)</b>	3.2	0.99	mg/Kg	8015B
<b>720-17453-12</b> Gasoline Range Organics (GRO)-C5-C12	<b>SB-8 (24-25)</b>	0.25	0.24	mg/Kg	8260B/CA_LUFTMS
<b>720-17453-16</b> <i>Silica Gel Cleanup</i> Gasoline Range Organics (GRO)-C5-C12 Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]	<b>SB-10 (15-16)</b>	0.69 5.9 52	0.23 0.99 50	mg/Kg mg/Kg mg/Kg	8260B/CA_LUFTMS 8015B 8015B
<b>720-17453-17</b> <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]	<b>SB-11 (7-8)</b>	48 53	1.0 50	mg/Kg mg/Kg	8015B 8015B
<b>720-17453-19</b> <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	<b>SB-5 (WATER)</b>	220	50	ug/L	8015B

## METHOD SUMMARY

Client: ACC Environmental Consultants

Job Number: 720-17453-1

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Solid</b>			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
<b>Matrix: Water</b>			
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

### Lab References:

TAL SF = TestAmerica San Francisco

### Method References:

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

## SAMPLE SUMMARY

Client: ACC Environmental Consultants

Job Number: 720-17453-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
720-17453-2	SB-5 (15-16)	Solid	12/22/2008 0955	12/23/2008 1325
720-17453-3	SB-5 (19-20)	Solid	12/22/2008 1000	12/23/2008 1325
720-17453-4	SB-6 (4-5)	Solid	12/22/2008 1125	12/23/2008 1325
720-17453-6	SB-6 (19-20)	Solid	12/22/2008 1135	12/23/2008 1325
720-17453-8	SB-7 (9-10)	Solid	12/22/2008 1215	12/23/2008 1325
720-17453-9	SB-7 (23-24)	Solid	12/22/2008 1345	12/23/2008 1325
720-17453-10	SB-8 (5-6)	Solid	12/22/2008 1440	12/23/2008 1325
720-17453-12	SB-8 (24-25)	Solid	12/22/2008 1530	12/23/2008 1325
720-17453-13	SB-9 (3-4)	Solid	12/22/2008 1540	12/23/2008 1325
720-17453-14	SB-9 (15-16)	Solid	12/22/2008 1620	12/23/2008 1325
720-17453-15	SB-10 (7-8)	Solid	12/22/2008 1700	12/23/2008 1325
720-17453-16	SB-10 (15-16)	Solid	12/22/2008 1710	12/23/2008 1325
720-17453-17	SB-11 (7-8)	Solid	12/22/2008 1735	12/23/2008 1325
720-17453-18	SB-11 (15-16)	Solid	12/22/2008 1740	12/23/2008 1325
720-17453-19	SB-5 (WATER)	Water	12/22/2008 1200	12/23/2008 1325

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-5 (15-16)**

Lab Sample ID: 720-17453-2  
Client Matrix: Solid

Date Sampled: 12/22/2008 0955  
Date Received: 12/23/2008 1325

---

## 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.31 g  
Date Analyzed: 12/24/2008 1305      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0094
MTBE		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		83		74 - 118
1,2-Dichloroethane-d4 (Surr)		96		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-5 (19-20)**

Lab Sample ID: 720-17453-3  
Client Matrix: Solid

Date Sampled: 12/22/2008 1000  
Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.01 g  
Date Analyzed: 12/24/2008 1426      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Benzene		ND		0.0050
Toluene		ND		0.0050
Ethylbenzene		ND		0.0050
Xylenes, Total		ND		0.010
MTBE		ND		0.0050
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		84		74 - 118
1,2-Dichloroethane-d4 (Surr)		91		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-6 (4-5)

Lab Sample ID: 720-17453-4

Date Sampled: 12/22/2008 1125

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 1.02 g  
Date Analyzed: 12/24/2008 2041      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		8.1		1.2
Benzene		ND		0.025
Toluene		ND		0.025
Ethylbenzene		ND		0.025
Xylenes, Total		ND		0.049
MTBE		ND		0.025
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		83		74 - 118
1,2-Dichloroethane-d4 (Surr)		99		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-6 (19-20)**

Lab Sample ID: 720-17453-6

Date Sampled: 12/22/2008 1135

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-45371	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-45366	Lab File ID: d:\data\200812\122408\sa-s
Dilution:	1.0		Initial Weight/Volume: 5.12 g
Date Analyzed:	12/24/2008 1452		Final Weight/Volume: 10 mL
Date Prepared:	12/24/2008 0900		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0049
Toluene		ND		0.0049
Ethylbenzene		ND		0.0049
Xylenes, Total		ND		0.0098
MTBE		ND		0.0049
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		80		74 - 118
1,2-Dichloroethane-d4 (Surr)		91		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-7 (9-10)

Lab Sample ID: 720-17453-8

Date Sampled: 12/22/2008 1215

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.00 g  
Date Analyzed: 12/24/2008 1519      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Benzene		ND		0.0050
Toluene		ND		0.0050
Ethylbenzene		ND		0.0050
Xylenes, Total		ND		0.010
MTBE		ND		0.0050
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		80		74 - 118
1,2-Dichloroethane-d4 (Surr)		97		54 - 134



## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-7 (23-24)**

Lab Sample ID: 720-17453-9  
Client Matrix: Solid

Date Sampled: 12/22/2008 1345  
Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.36 g  
Date Analyzed: 12/24/2008 1546      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.23
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0093
MTBE		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		81		74 - 118
1,2-Dichloroethane-d4 (Surr)		91		54 - 134

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-8 (5-6)**

Lab Sample ID: 720-17453-10

Date Sampled: 12/22/2008 1440

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

## 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.24 g  
Date Analyzed: 12/24/2008 1613      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0048
Toluene		ND		0.0048
Ethylbenzene		ND		0.0048
Xylenes, Total		ND		0.0095
MTBE		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		80		74 - 118
1,2-Dichloroethane-d4 (Surr)		94		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-8 (24-25)

Lab Sample ID: 720-17453-12

Date Sampled: 12/22/2008 1530

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.31 g  
Date Analyzed: 12/24/2008 1640      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		0.25		0.24
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0094
MTBE		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		84		74 - 118
1,2-Dichloroethane-d4 (Surr)		100		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-9 (3-4)

Lab Sample ID: 720-17453-13

Date Sampled: 12/22/2008 1540

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.30 g  
Date Analyzed: 12/24/2008 1706      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0094
MTBE		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		80		74 - 118
1,2-Dichloroethane-d4 (Surr)		96		54 - 134

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-9 (15-16)**

Lab Sample ID: 720-17453-14  
Client Matrix: Solid

Date Sampled: 12/22/2008 1620  
Date Received: 12/23/2008 1325

---

## 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.26 g  
Date Analyzed: 12/24/2008 1827      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0048
Toluene		ND		0.0048
Ethylbenzene		ND		0.0048
Xylenes, Total		ND		0.0095
MTBE		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		86		74 - 118
1,2-Dichloroethane-d4 (Surr)		97		54 - 134

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-10 (7-8)

Lab Sample ID: 720-17453-15

Date Sampled: 12/22/2008 1700

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

## 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.06 g  
Date Analyzed: 12/24/2008 1854      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Benzene		ND		0.0049
Toluene		ND		0.0049
Ethylbenzene		ND		0.0049
Xylenes, Total		ND		0.0099
MTBE		ND		0.0049
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		84		74 - 118
1,2-Dichloroethane-d4 (Surr)		101		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-10 (15-16)

Lab Sample ID: 720-17453-16

Date Sampled: 12/22/2008 1710

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.34 g  
Date Analyzed: 12/24/2008 2014      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		0.69		0.23
Benzene		ND		0.0047
Toluene		ND		0.0047
Ethylbenzene		ND		0.0047
Xylenes, Total		ND		0.0094
MTBE		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		85		74 - 118
1,2-Dichloroethane-d4 (Surr)		96		54 - 134

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-11 (7-8)

Lab Sample ID: 720-17453-17  
Client Matrix: Solid

Date Sampled: 12/22/2008 1735  
Date Received: 12/23/2008 1325

---

## 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.18 g  
Date Analyzed: 12/24/2008 1920      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0048
Toluene		ND		0.0048
Ethylbenzene		ND		0.0048
Xylenes, Total		ND		0.0097
MTBE		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		82		74 - 118
1,2-Dichloroethane-d4 (Surr)		92		54 - 134



## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-11 (15-16)

Lab Sample ID: 720-17453-18

Date Sampled: 12/22/2008 1740

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45371      Instrument ID: Saturn 2100  
Preparation: 5030B      Prep Batch: 720-45366      Lab File ID: d:\data\200812\122408\sa-s  
Dilution: 1.0      Initial Weight/Volume: 5.18 g  
Date Analyzed: 12/24/2008 1947      Final Weight/Volume: 10 mL  
Date Prepared: 12/24/2008 0900

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Benzene		ND		0.0048
Toluene		ND		0.0048
Ethylbenzene		ND		0.0048
Xylenes, Total		ND		0.0097
MTBE		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		81		74 - 118
1,2-Dichloroethane-d4 (Surr)		90		54 - 134

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-5 (WATER)**

Lab Sample ID: 720-17453-19

Date Sampled: 12/22/2008 1200

Client Matrix: Water

Date Received: 12/23/2008 1325

---

### 8260B/CA\_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA\_LUFTMS      Analysis Batch: 720-45374      Instrument ID: Saturn 2100  
Preparation: 5030B      Lab File ID: d:\data\200812\122608\sa-  
Dilution: 1.0      Initial Weight/Volume: 10 mL  
Date Analyzed: 12/26/2008 1903      Final Weight/Volume: 10 mL  
Date Prepared: 12/26/2008 1903

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	81		78 - 112
1,2-Dichloroethane-d4 (Surr)	90		67 - 126

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-5 (15-16)**

Lab Sample ID: 720-17453-2  
Client Matrix: Solid

Date Sampled: 12/22/2008 0955  
Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.47 g
Date Analyzed:	12/24/2008 1811		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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)		1		0 - 5
p-Terphenyl		72		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-5 (19-20)

Lab Sample ID: 720-17453-3

Date Sampled: 12/22/2008 1000

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.22 g
Date Analyzed:	12/24/2008 1838		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.4		0.99
Motor Oil Range Organics [C24-C36]		ND		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		82		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-6 (4-5)**

Lab Sample ID: 720-17453-4

Date Sampled: 12/22/2008 1125

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.01 g
Date Analyzed:	12/24/2008 1905		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		110		1.0
Motor Oil Range Organics [C24-C36]		340		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		3		0 - 5
p-Terphenyl		47		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-6 (19-20)**

Lab Sample ID: 720-17453-6

Date Sampled: 12/22/2008 1135

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.47 g
Date Analyzed:	12/29/2008 1704		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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)		0		0 - 5
p-Terphenyl		86		41 - 105

# Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-7 (9-10)

Lab Sample ID: 720-17453-8

Date Sampled: 12/22/2008 1215

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.42 g
Date Analyzed:	12/29/2008 1731		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		3.2		0.99
Motor Oil Range Organics [C24-C36]		ND		49
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		78		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-7 (23-24)

Lab Sample ID: 720-17453-9

Date Sampled: 12/22/2008 1345

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.04 g
Date Analyzed:	12/24/2008 2027		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	84	41 - 105



## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-8 (5-6)**

Lab Sample ID: 720-17453-10

Date Sampled: 12/22/2008 1440

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.21 g
Date Analyzed:	12/24/2008 2055		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		82		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-8 (24-25)

Lab Sample ID: 720-17453-12

Date Sampled: 12/22/2008 1530

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.49 g
Date Analyzed:	12/24/2008 2122		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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)		0		0 - 5
p-Terphenyl		79		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-9 (3-4)

Lab Sample ID: 720-17453-13

Date Sampled: 12/22/2008 1540

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.07 g
Date Analyzed:	12/24/2008 2149		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	81	41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-9 (15-16)

Lab Sample ID: 720-17453-14

Date Sampled: 12/22/2008 1620

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.22 g
Date Analyzed:	12/24/2008 2217		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		89		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-10 (7-8)

Lab Sample ID: 720-17453-15

Date Sampled: 12/22/2008 1700

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.19 g
Date Analyzed:	12/24/2008 2244		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		1		0 - 5
p-Terphenyl		77		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-10 (15-16)

Lab Sample ID: 720-17453-16

Date Sampled: 12/22/2008 1710

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.24 g
Date Analyzed:	12/24/2008 2311		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		5.9		0.99
Motor Oil Range Organics [C24-C36]		52		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		84		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-11 (7-8)

Lab Sample ID: 720-17453-17

Date Sampled: 12/22/2008 1735

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.05 g
Date Analyzed:	12/24/2008 1905		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		48		1.0
Motor Oil Range Organics [C24-C36]		53		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		6	X	0 - 5
p-Terphenyl		74		41 - 105

## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

Client Sample ID: SB-11 (15-16)

Lab Sample ID: 720-17453-18

Date Sampled: 12/22/2008 1740

Client Matrix: Solid

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45419	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-45252	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.24 g
Date Analyzed:	12/24/2008 1933		Final Weight/Volume:	5 mL
Date Prepared:	12/23/2008 1844		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		50
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		0		0 - 5
p-Terphenyl		97		41 - 105



## Analytical Data

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Client Sample ID: SB-5 (WATER)**

Lab Sample ID: 720-17453-19

Date Sampled: 12/22/2008 1200

Client Matrix: Water

Date Received: 12/23/2008 1325

---

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

Method:	8015B	Analysis Batch: 720-45454	Instrument ID:	HP DRO5
Preparation:	3510C SGC	Prep Batch: 720-45380	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	250 mL
Date Analyzed:	12/29/2008 1825		Final Weight/Volume:	1 mL
Date Prepared:	12/29/2008 1310		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	220		50
Motor Oil Range Organics [C24-C36]	ND		500

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	66	46 - 114

## DATA REPORTING QUALIFIERS

Client: ACC Environmental Consultants

Job Number: 720-17453-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS VOA	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA	X	Surrogate exceeds the control limits

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Prep Batch: 720-45366</b>					
LCS 720-45366/2-A	Lab Control Spike	T	Solid	5030B	
LCSD 720-45366/3-A	Lab Control Spike Duplicate	T	Solid	5030B	
MB 720-45366/1-A	Method Blank	T	Solid	5030B	
720-17453-2	SB-5 (15-16)	T	Solid	5030B	
720-17453-2MS	Matrix Spike	T	Solid	5030B	
720-17453-2MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-17453-3	SB-5 (19-20)	T	Solid	5030B	
720-17453-4	SB-6 (4-5)	T	Solid	5030B	
720-17453-6	SB-6 (19-20)	T	Solid	5030B	
720-17453-8	SB-7 (9-10)	T	Solid	5030B	
720-17453-9	SB-7 (23-24)	T	Solid	5030B	
720-17453-10	SB-8 (5-6)	T	Solid	5030B	
720-17453-12	SB-8 (24-25)	T	Solid	5030B	
720-17453-13	SB-9 (3-4)	T	Solid	5030B	
720-17453-14	SB-9 (15-16)	T	Solid	5030B	
720-17453-15	SB-10 (7-8)	T	Solid	5030B	
720-17453-16	SB-10 (15-16)	T	Solid	5030B	
720-17453-17	SB-11 (7-8)	T	Solid	5030B	
720-17453-18	SB-11 (15-16)	T	Solid	5030B	
<b>Analysis Batch:720-45371</b>					
LCS 720-45366/2-A	Lab Control Spike	T	Solid	8260B/CA_LUFT	720-45366
LCSD 720-45366/3-A	Lab Control Spike Duplicate	T	Solid	8260B/CA_LUFT	720-45366
MB 720-45366/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-45366
720-17453-2	SB-5 (15-16)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-2MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-45366
720-17453-2MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-45366
720-17453-3	SB-5 (19-20)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-4	SB-6 (4-5)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-6	SB-6 (19-20)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-8	SB-7 (9-10)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-9	SB-7 (23-24)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-10	SB-8 (5-6)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-12	SB-8 (24-25)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-13	SB-9 (3-4)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-14	SB-9 (15-16)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-15	SB-10 (7-8)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-16	SB-10 (15-16)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-17	SB-11 (7-8)	T	Solid	8260B/CA_LUFT	720-45366
720-17453-18	SB-11 (15-16)	T	Solid	8260B/CA_LUFT	720-45366

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:720-45374</b>					
LCS 720-45374/2	Lab Control Spike	T	Water	8260B/CA_LUFT	
LCSD 720-45374/1	Lab Control Spike Duplicate	T	Water	8260B/CA_LUFT	
MB 720-45374/3	Method Blank	T	Water	8260B/CA_LUFT	
720-17453-19	SB-5 (WATER)	T	Water	8260B/CA_LUFT	

#### Report Basis

T = Total

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Prep Batch: 720-45252</b>					
LCS 720-45252/2-A	Lab Control Spike	A	Solid	3550B	
LCSD 720-45252/3-A	Lab Control Spike Duplicate	A	Solid	3550B	
MB 720-45252/1-A	Method Blank	A	Solid	3550B	
720-17453-2	SB-5 (15-16)	A	Solid	3550B	
720-17453-3	SB-5 (19-20)	A	Solid	3550B	
720-17453-4	SB-6 (4-5)	A	Solid	3550B	
720-17453-6	SB-6 (19-20)	A	Solid	3550B	
720-17453-8	SB-7 (9-10)	A	Solid	3550B	
720-17453-9	SB-7 (23-24)	A	Solid	3550B	
720-17453-10	SB-8 (5-6)	A	Solid	3550B	
720-17453-12	SB-8 (24-25)	A	Solid	3550B	
720-17453-13	SB-9 (3-4)	A	Solid	3550B	
720-17453-14	SB-9 (15-16)	A	Solid	3550B	
720-17453-15	SB-10 (7-8)	A	Solid	3550B	
720-17453-16	SB-10 (15-16)	A	Solid	3550B	
720-17453-17	SB-11 (7-8)	A	Solid	3550B	
720-17453-18	SB-11 (15-16)	A	Solid	3550B	
<b>Prep Batch: 720-45380</b>					
LCS 720-45380/2-A	Lab Control Spike	A	Water	3510C SGC	
LCSD 720-45380/3-A	Lab Control Spike Duplicate	A	Water	3510C SGC	
MB 720-45380/1-A	Method Blank	A	Water	3510C SGC	
720-17453-19	SB-5 (WATER)	A	Water	3510C SGC	
<b>Analysis Batch:720-45419</b>					
LCS 720-45252/2-A	Lab Control Spike	A	Solid	8015B	720-45252
LCSD 720-45252/3-A	Lab Control Spike Duplicate	A	Solid	8015B	720-45252
MB 720-45252/1-A	Method Blank	A	Solid	8015B	720-45252
720-17453-2	SB-5 (15-16)	A	Solid	8015B	720-45252
720-17453-3	SB-5 (19-20)	A	Solid	8015B	720-45252
720-17453-4	SB-6 (4-5)	A	Solid	8015B	720-45252
720-17453-6	SB-6 (19-20)	A	Solid	8015B	720-45252
720-17453-8	SB-7 (9-10)	A	Solid	8015B	720-45252
720-17453-9	SB-7 (23-24)	A	Solid	8015B	720-45252
720-17453-10	SB-8 (5-6)	A	Solid	8015B	720-45252
720-17453-12	SB-8 (24-25)	A	Solid	8015B	720-45252
720-17453-13	SB-9 (3-4)	A	Solid	8015B	720-45252
720-17453-14	SB-9 (15-16)	A	Solid	8015B	720-45252
720-17453-15	SB-10 (7-8)	A	Solid	8015B	720-45252
720-17453-16	SB-10 (15-16)	A	Solid	8015B	720-45252
720-17453-17	SB-11 (7-8)	A	Solid	8015B	720-45252
720-17453-18	SB-11 (15-16)	A	Solid	8015B	720-45252

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Analysis Batch:720-45454</b>					
LCS 720-45380/2-A	Lab Control Spike	A	Water	8015B	720-45380
LCSD 720-45380/3-A	Lab Control Spike Duplicate	A	Water	8015B	720-45380
MB 720-45380/1-A	Method Blank	A	Water	8015B	720-45380
720-17453-19	SB-5 (WATER)	A	Water	8015B	720-45380

#### Report Basis

A = Silica Gel Cleanup

# Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

## Method Blank - Batch: 720-45366

Method: 8260B/CA\_LUFTMS  
Preparation: 5030B

Lab Sample ID: MB 720-45366/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 12/24/2008 1131  
Date Prepared: 12/24/2008 0900

Analysis Batch: 720-45371  
Prep Batch: 720-45366  
Units: mg/Kg

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122408\mb  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Benzene	ND		0.0050
Toluene	ND		0.0050
Ethylbenzene	ND		0.0050
Xylenes, Total	ND		0.010
MTBE	ND		0.0050
Surrogate	% Rec		Acceptance Limits
Toluene-d8 (Surr)	82		74 - 118
1,2-Dichloroethane-d4 (Surr)	93		54 - 134

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

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Lab Control Spike/  
Lab Control Spike Duplicate Recovery Report - Batch: 720-45366**

**Method: 8260B/CA\_LUFTMS  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-45366/2-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 12/24/2008 1204  
Date Prepared: 12/24/2008 0900

Analysis Batch: 720-45371  
Prep Batch: 720-45366  
Units: mg/Kg

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122408\ls-s  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-45366/3-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 12/24/2008 1231  
Date Prepared: 12/24/2008 0900

Analysis Batch: 720-45371  
Prep Batch: 720-45366  
Units: mg/Kg

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122408\ld-sc  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	69	75	43 - 95	8	20		
Benzene	93	96	65 - 116	3	20		
Toluene	85	87	69 - 121	3	20		
MTBE	111	118	73 - 131	6	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	85		82		74 - 118		
1,2-Dichloroethane-d4 (Surr)	86		92		54 - 134		

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



## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-45366**

**Method: 8260B/CA\_LUFTMS  
Preparation: 5030B**

MS Lab Sample ID: 720-17453-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 12/24/2008 1332  
Date Prepared: 12/24/2008 0900

Analysis Batch: 720-45371  
Prep Batch: 720-45366

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122408\sa-  
Initial Weight/Volume: 5.17 g  
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-17453-2  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 12/24/2008 1359  
Date Prepared: 12/24/2008 0900

Analysis Batch: 720-45371  
Prep Batch: 720-45366

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122408\sa-  
Initial Weight/Volume: 5.17 g  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Gasoline Range Organics (GRO)-C5-C12	54	68	43 - 95	23	20		F
Benzene	75	93	55 - 140	21	20		F
Toluene	70	82	61 - 138	15	20		
MTBE	81	100	49 - 161	22	20		F
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	83		85		74 - 118		
1,2-Dichloroethane-d4 (Surr)	83		89		54 - 134		

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

# Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

## Method Blank - Batch: 720-45374

Lab Sample ID: MB 720-45374/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 12/26/2008 1236  
Date Prepared: 12/26/2008 1236

Analysis Batch: 720-45374  
Prep Batch: N/A  
Units: ug/L

## Method: 8260B/CA\_LUFTMS Preparation: 5030B

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122608\mb  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50
Benzene	ND		0.50
Toluene	ND		0.50
Ethylbenzene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	85	78 - 112	
1,2-Dichloroethane-d4 (Surr)	90	67 - 126	

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

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Lab Control Spike/  
Lab Control Spike Duplicate Recovery Report - Batch: 720-45374**

**Method: 8260B/CA\_LUFTMS  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-45374/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 12/26/2008 1309  
Date Prepared: 12/26/2008 1309

Analysis Batch: 720-45374  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122608\ls-v  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-45374/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 12/26/2008 1336  
Date Prepared: 12/26/2008 1336

Analysis Batch: 720-45374  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 2100  
Lab File ID: d:\data\200812\122608\ld-w  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	63	67	43 - 95	6	20		
Benzene	92	89	67 - 120	3	20		
Toluene	84	83	73 - 122	2	20		
MTBE	92	97	61 - 134	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	83		79		78 - 112		
1,2-Dichloroethane-d4 (Surr)	70		85		67 - 126		

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

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Method Blank - Batch: 720-45252**

Lab Sample ID: MB 720-45252/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Date Analyzed: 12/24/2008 1337  
 Date Prepared: 12/23/2008 1343

Analysis Batch: 720-45419  
 Prep Batch: 720-45252  
 Units: mg/Kg

**Method: 8015B  
 Preparation: 3550B  
 Silica Gel Cleanup**

Instrument ID: HP DRO5  
 Lab File ID: N/A  
 Initial Weight/Volume: 30.36 g  
 Final Weight/Volume: 5 mL  
 Injection Volume:  
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		49

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	89	41 - 105

**Lab Control Spike/  
 Lab Control Spike Duplicate Recovery Report - Batch: 720-45252**

LCS Lab Sample ID: LCS 720-45252/2-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Date Analyzed: 12/24/2008 1242  
 Date Prepared: 12/23/2008 1343

Analysis Batch: 720-45419  
 Prep Batch: 720-45252  
 Units: mg/Kg

**Method: 8015B  
 Preparation: 3550B  
 Silica Gel Cleanup**

Instrument ID: HP DRO5  
 Lab File ID: N/A  
 Initial Weight/Volume: 30.28 g  
 Final Weight/Volume: 5 mL  
 Injection Volume:  
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-45252/3-A	Analysis Batch: 720-45419	Instrument ID: HP DRO5
Client Matrix: Solid	Prep Batch: 720-45252	Lab File ID: N/A
Dilution: 1.0	Units: mg/Kg	Initial Weight/Volume: 30.06 g
Date Analyzed: 12/24/2008 1310		Final Weight/Volume: 5 mL
Date Prepared: 12/23/2008 1343		Injection Volume:
		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	74	71	50 - 130	3	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
p-Terphenyl	84	82	82	41 - 105			

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

## Quality Control Results

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Method Blank - Batch: 720-45380**

Lab Sample ID: MB 720-45380/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Date Analyzed: 12/29/2008 1758  
 Date Prepared: 12/29/2008 1310

Analysis Batch: 720-45454  
 Prep Batch: 720-45380  
 Units: ug/L

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

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
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	92		46 - 114

**Lab Control Spike/  
 Lab Control Spike Duplicate Recovery Report - Batch: 720-45380**

LCS Lab Sample ID: LCS 720-45380/2-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Date Analyzed: 12/29/2008 1704  
 Date Prepared: 12/29/2008 1310

Analysis Batch: 720-45454  
 Prep Batch: 720-45380  
 Units: ug/L

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

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 720-45380/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Date Analyzed: 12/29/2008 1731  
 Date Prepared: 12/29/2008 1310

Analysis Batch: 720-45454  
 Prep Batch: 720-45380  
 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.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	64	65	41 - 103	3	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		72	74			46 - 114	

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



**Report To**

Attn: Julia Sindyla  
 Company: ACC Environmental  
 Address: 7977 Copwell Drive  
 Phone: 510 638 8400 x110 Email: jsindyla@accenv.com  
 Bill To: ACC Sampled By: Julia Sindyla  
 Attn: Julia Sindyla Phone: 510-638-8400

**Analysis Request**

<input checked="" type="checkbox"/> TPH EPA - 80150/21 <input checked="" type="checkbox"/> 8015B	<input checked="" type="checkbox"/> Purgable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8280B	<input checked="" type="checkbox"/> TEPH EPA 8015M* <input checked="" type="checkbox"/> Silica Gel <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	<input type="checkbox"/> Fuel Tests EPA 8208B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/>	<input type="checkbox"/> Purgable Halocarbons (HVOCS) EPA 8021 by 8280B	<input type="checkbox"/> Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B <input type="checkbox"/> 624	<input type="checkbox"/> Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	<input type="checkbox"/> Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	<input type="checkbox"/> PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> CAM17 Metals (EPA 8010/7470/7471)	<input type="checkbox"/> Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	<input type="checkbox"/> Low Level Metals by EPA 200.10/6020 (ICP-MS):	<input type="checkbox"/> WET (STLC) <input type="checkbox"/> TCLP	<input type="checkbox"/> Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	<input type="checkbox"/> Spec Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS <input type="checkbox"/>	<input type="checkbox"/> Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	<u>Hold</u>
--	---	--	--	--	--	--	---	--	--	---	---	---	--	---	---	--	-------------

10.  
11.  
12.  
13.  
14.  
15.  
16.  
17.  
18.  
19.

Sample ID	Date	Time	Mat rix	Pres erv.	TPH EPA - 80150/21 <input checked="" type="checkbox"/> 8015B	Purgable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 8280B	TEPH EPA 8015M* <input checked="" type="checkbox"/> Silica Gel <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fuel Tests EPA 8208B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/>	Purgable Halocarbons (HVOCS) EPA 8021 by 8280B	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 608	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 8010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Low Level Metals by EPA 200.10/6020 (ICP-MS):	WET (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	Spec Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>		
SB-8 (5-6)	12/22/08	14:40	S	None	X		X																
SB-8 (18-19)	12/22/08	15:00	S																				X
SB-8 (24-25)	12/22/08	15:30	S		X		X																
SB-9 (3-4)	12/22/08	15:40	S		X		X																
SB-9 (15-16)	12/22/08	16:20	S		X		X																
SB-10 (7-8)	12/22/08	17:00	S		X		X																
SB-10 (15-16)	12/22/08	17:10	S		X		X																
SB-11 (7-8)	12/22/08	17:35	S		X		X																
SB-11 (15-16)	12/22/08	17:40	S		X		X																
SB-5 (water)	12/22/08	12:00	W	HCL	X		X																

Project Info.		Sample Receipt		1) Relinquished by:		2) Relinquished by:		3) Relinquished by:	
Project Name: <u>3761 Park Blvd. Way</u>	# of Containers: <u>22</u>	Signature <u>Julia Sindyla</u>	Time <u>12:30</u>	Signature <u>Brandon Lumby</u>	Time <u>13:25</u>	Signature <u>Brandon Lumby</u>	Time <u>13:25</u>	Signature <u>Brandon Lumby</u>	Time <u>13:25</u>
Project#: <u>06183-001-02</u>	Head Space:	Printed Name <u>Julia Sindyla</u>	Date <u>12/23/08</u>	Printed Name <u>BRANDON LUMBLY</u>	Date <u>12-23-08</u>	Printed Name <u>BRANDON LUMBLY</u>	Date <u>12-23-08</u>	Printed Name <u>BRANDON LUMBLY</u>	Date <u>12-23-08</u>
PO#:	Temp:	Company <u>ACC</u>		Company <u>ACC</u>		Company <u>ACC</u>		Company <u>ACC</u>	
Credit Card#:	Conforms to record:	1) Received by:		2) Received by:		3) Received by:			
T A T	<u>5</u> Day	Signature <u>Brandon Lumby</u>	Time <u>12:30</u>	Signature <u>J Bullock</u>	Time <u>13:25</u>	Signature <u>J Bullock</u>	Time <u>13:25</u>	Signature <u>J Bullock</u>	Time <u>13:25</u>
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF	Special Instructions / Comments:	Printed Name <u>BRANDON LUMBLY</u>	Date <u>12-23-08</u>	Printed Name <u>T Bullock</u>	Date <u>12/23/08</u>	Printed Name <u>T Bullock</u>	Date <u>12/23/08</u>	Printed Name <u>T Bullock</u>	Date <u>12/23/08</u>
		Company <u>ACC ENVIRONMENTAL</u>		Company <u>TEST AMERICA</u>		Company <u>TEST AMERICA</u>		Company <u>TEST AMERICA</u>	

See Terms and Conditions on reverse  
 \*TestAmerica SF reports 8015M from C<sub>F</sub>-C<sub>24</sub> (Industry norm). Default for 8015B is C<sub>12</sub>-C<sub>20</sub>

## Login Sample Receipt Check List

Client: ACC Environmental Consultants

Job Number: 720-17453-1

**Login Number: 17453**  
**Creator: Bullock, Tracy**  
**List Number: 1**

**List Source: TestAmerica San Francisco**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	See Narrative
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	



Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-5</b>	
No staining, odors or discoloration noted in this soil boring.	0	SB-5 (4-5)		0	Sandy Clay (CL), brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, damp, no odor or discoloration noted.	
	0			2		
	0			4	Sandy Clay (CL), dark brown to Dark Grey, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, no odor or discoloration.	
	0			6		
	0			8		
	0			10		
	0				12	Slity Clay (CL), Tan, slightly to mod. plastic, medium stiff to soft, with slit, no odor or discoloration.
	0				14	
	0				16	
	0				18	
	0				20	<b>TOTAL DEPTH OF BORING: 50 feet bgs</b> <b>(soils were not logged below 20 feet bgs)</b> <b>Groundwater was encountered at 50 feet bgs</b>
	0				22	
	0				24	
0			26			
0			28			

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	Project Number <b>6783-001.01</b>	Title <b>LOG OF BORING SB-5</b>
	Date: <b>12/22/08</b>	

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-6</b>
				0	Concrete
	1643			2	Sandy Clay (CL), dark brown to dark grey, slightly to mod.plastic, medium stiff to soft, with fine to med grained sand, damp, no discoloration, slight gasoline odor observed.
	3291	SB-6 (4-5)		4	
				6	Sand (SW), grey, fine to med grained, damp, grey discoloration, gasoline odor observed.
	19.7	SB-6 (8-9)		8	
	5.7			10	Slity Clay (CL), greenish grey, slightly to mod. plastic, medium stiff to soft, with slit, no odor or discoloration.
				12	
	6.8			14	
				16	
	0	SB-6 (19-20)		18	Clay (CH), black, slightly to mod. plastic, medium stiff to soft, with slit, no odor or discoloration.
				20	
				22	<b>TOTAL DEPTH OF BORING: 30 feet bgs</b> <b>(soils were not logged below 20 feet bgs)</b> <b>Groundwater was not encountered</b>
				24	
				26	
				28	

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	Project Number <b>6783-001.01</b> <hr/> <b>Date: 12/22/08</b>	Title <b>LOG OF BORING SB-6</b>
--	---	---------------------------------

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-7</b>
				0	Concrete
	0	SB-7 (4-5)		2	Sandy Clay (CL), light brown to brown, slightly to mod.plastic, medium stiff to soft, with fine to med grained sand and gravel, damp, no discoloration or odor observed.
	0			4	
	87			6	
	197			8	
		SB-7 (9-10)		10	Slity Clay (CL), dark brown to dark grey, slightly to mod. plastic, medium stiff to soft, with slit, no odor or discoloration.
	0			12	
	0			14	
	0			16	
		SB-7 (23-24)		18	Slity Clay (CL),tan, slightly to mod. plastic, medium stiff to soft, with slit, no odor or discoloration.
	0			20	
	0			22	
	0			24	
				26	<b>TOTAL DEPTH OF BORING: 36 feet bgs</b> <b>(soils were not logged below 24 feet bgs)</b> <b>Groundwater was not encountered</b>
				28	

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	Project Number <b>6783-001.01</b>	Title <b>LOG OF BORING SB-7</b>
	Date: <b>12/22/08</b>	

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-8</b>
	0	SB-8 (5-6)		0	Sandy Clay (CL), tan to brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand and oragnics,damp, no discoloration or odor observed.
	0			2	
	0			4	Sandy Clay (CL), greenish grey to dark grey, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand , no odor or discoloration.
	0			6	
	0			8	
	0			10	
	0		12		
	0		14		
	0		16		
	0	SB-8 (18-19)		18	
	0			20	
	0		22		
	0	SB-8 (24-25)		24	
	0			26	
				28	
					<b>TOTAL DEPTH OF BORING: 36 feet bgs</b> <b>(soils were not logged below 25feet bgs)</b> <b>Groundwater was not encountered</b>

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	<b>Project Number</b> <b>6783-001.01</b>	<b>Title LOG OF BORING SB-8</b>
	<b>Date: 12/22/08</b>	

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-9</b>	
	0	SB-9 (3-4)		0	Sandy Clay (CL), brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand and oragnics,damp, no discoloration or odor observed.	
	0			2		
	0		SB-9 (15-16)		4	Silty Clay (CL), dark grey, slightly to mod. plastic, medium stiff to soft, with silts, no odor or discoloration observed.
	0				6	
	0			8		
	0			10		
	0			12		
	0			14		
	0			16		
	0			16	<b>TOTAL DEPTH OF BORING: 16 feet bgs</b> <b>Groundwater was not encountered</b>	
				18		
				20		
				22		
				24		
				26		
				28		

**ACC Environmental Consultants, Inc.**  
7977 Capwell Drive, Suite 100  
Oakland, California 94621  
(510)638-8400 FAX: (510)638-8404

Project Number  
**6783-001.01**

Date: **12/22/08**

Title **LOG OF BORING SB-9**

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-10</b>
	0	SB-10 (7-8)		0	Sandy Clay (CL), brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, damp, no odor or discoloration noted.
	0			2	
	0			4	
	0			6	
	0			8	Sandy Clay (CL), light brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, no odor or discoloration observed.
	0			10	
	1600	SB-10 (15-16)		10	Clay (CH), dark grey, mod. to highly plastic, medium stiff, gasoline odor, slight discoloration noted.
	2026			12	
	840			14	
				16	
				16	<b>TOTAL DEPTH OF BORING: 16 feet bgs</b>
				18	
				20	
				22	
				24	
				26	
				28	

<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404	<b>Project Number</b> <b>6783-001.01</b>	<b>Title LOG OF BORING SB-10</b>
	<b>Date: 12/22/08</b>	

Additional Observations	PID (ppm)	SAMPLE ID	SAMPLE INTERVAL	depth below ground surface (ft)	<b>EQUIPMENT: Geoprobe Hydraulic Sampling Device</b> <b>OPERATED BY: Environmental Control Associates</b> <b>LOGGED BY: Julia Siudyla</b> <b>LOCATION: 3761 Park Boulevard Way, Oakland, CA</b> <b>WORK DATE: 12/22/08</b> <b>BORING: SB-11</b>
				0	Concrete
	0	SB-11 (7-8)		2	Sandy Clay (CL), brown, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, damp, no odor or discoloration noted.
	0			4	
	117			6	
	121			8	
	0	SB-11 (15-16)		10	Sandy Clay (CL), dark grey, slightly to mod. plastic, medium stiff to soft, with fine to med grained sand, slight odor or discoloration.
	0			12	
	0			14	
	0			16	
				16	<b>TOTAL DEPTH OF BORING: 16 feet bgs</b>
				18	
				20	
				22	
				24	
				26	
				28	
<b>ACC Environmental Consultants, Inc.</b> 7977 Capwell Drive, Suite 100 Oakland, California 94621 (510)638-8400 FAX: (510)638-8404			Project Number <b>6783-001.01</b> <hr/> Date: <b>12/22/08</b>		Title <b>LOG OF BORING SB-11</b>