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SCS ENGINEERS

August 30, 2010
Project No. 01209250.01

Mr. Jim Morgan
Waste Management, Inc.
720 East Butterfield Road, 4th Floor
Lombard, Illinois 60148

Subject: **Summary Report**
Limited Phase II Environmental Investigation
6175 Southfront Road
Livermore, California

Dear Mr. Morgan:

SCS Engineers (SCS) is pleased to present the results of the Limited Phase II Environmental Investigation we recently performed for Waste Management, Inc. (WM) at 6175 Southfront Road, Livermore, California (the "Property"). The Property is located on the south side of Southfront Road approximately 500 feet east of Vasco Road and has been assigned Alameda County Assessor's Parcel Number (APN) 099B-5875-017-06.

BACKGROUND

Information generated during the recent Phase I Environmental Site Assessment (Phase I ESA) of the Property (SCS, February 17, 2010) indicated that one 10,000 gallon diesel underground storage tank (UST) and one 4,000 gallon gasoline/diesel UST formerly existed on the Property near where the current 10,000 gallon diesel above ground storage tank (AST) exists today. The two USTs were reportedly installed in the early 1980s. Regulatory records indicate that both tanks and/or associated piping leaked and impacted soil and groundwater. The USTs were reportedly removed in April 1992. Over 1,000 cubic yards of impacted soil was reportedly excavated and disposed of off-site and 6.2 million gallons of impacted groundwater was ultimately extracted, treated on-site, and discharged to the sanitary sewer. The Alameda County Department of Environmental Health (ACEH) granted case closure in August 31, 1998. The closure letter stated that up to 380 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPH-g) and 1.3 ppm benzene remained in soil beneath the Property and up to 5.8 parts per billion (ppb) benzene remained in groundwater beneath the Property.

In addition, a pressure wash area and clarifier were located on the Property. The steam pressure washer with injected soap and/or degreasers was used to wash equipment, disposal trucks, engines, parts, etc. at this location. Waste water from the pressure wash area was discharged to the sanitary sewer via a clarifier. Figure 1 is a Site Vicinity Map and Figures 2 and 3 are Site Plans showing sample locations.

The purpose of the Limited Phase II Environmental Investigation was to address the following environmental issues identified during the Phase I ESA:

1) Evaluate the potential for fuel-related vapor intrusion impacts (associated with the former USTs) to nearby structures by conducting a soil vapor survey.
2) Evaluate the potential for subsurface environmental impacts in the vicinity of the pressure wash area, clarifier, and associated sewer line by evaluating soil vapor, soil, and groundwater conditions in this area.

All investigation tasks were performed or directed by an SCS professional on July 27 and 28, 2010 in accordance with SCS' *Limited Phase II Environmental Investigation Proposal* (SCS, May 25, 2010).

LIMITED PHASE II ENVIRONMENTAL INVESTIGATION

Pre-Investigation Activities

Prior to the start of the subsurface investigation a drilling permit was acquired from the Alameda County Zone 7 Water Agency (Zone 7) as required.

A minimum of 48 hours prior to the start of boring activities SCS marked the Property with white paint and notified Underground Service Alert (USA) as required by law.

The recently prepared Phase I ESA for the Property (SCS, February 17, 2010), included a review of building plans at the City of Livermore Building Department that identified the approximate location of the main sewer line that exists under the Property. The plans also identified the location of the clarifier and the lateral sewer line that exits the clarifier and connects to the main sewer line. On July 7, 2010 Cruz Brothers Locators of Scott's Valley, California was contracted by SCS to trace both the main and lateral sewer lines in the vicinity of the clarifier for subsurface investigation purposes.

Cruz Brother and SCS also conducted a subsurface utility survey at the proposed sample locations to identify underground utilities so that they could be avoided during field activities.

Soil Vapor Survey

Transglobal Environmental Geochemistry (TEG) of Rancho Cordova, California, conducted soil vapor survey activities on July 27, 2010 under the direction of SCS. The purpose of the soil vapor survey was to investigate the potential for subsurface soil vapor impacts associated with the former USTs and the pressure wash, clarifier, and exiting sewer line area.

The soil vapor survey consisted of the collection of 12 soil vapor samples (*SV-1* through *SV-12*). The soil vapor sample locations are mapped on Figure 2. All soil vapor samples were collected from depths of approximately five feet bgs. All soil vapor sampling and analysis was conducted in general conformance with Department of Toxic Substance Control (DTSC) soil vapor sampling guidelines.

Soil vapor sampling equipment consisted of one inch hollow steel drive rods, which were pushed directly into subsurface soils using an electric rotary hammer or TEG's Strataprobe truck mounted hydraulically powered direct push sampling rig. An expendable drive tip was placed on the end of the drive rod before it is pushed into the ground. Soil vapor samples were recovered by retracting the probe and exposing sampling ports on the drive point. Hydrated bentonite was used to improve the surface seal between the drive rod and the cored hole. After hydration TEG let the bentonite set for twenty minutes prior to collecting samples. Soil vapor samples were extracted with a glass syringe via a Nylaflow tube attached to the drive tip. Prior to sampling, the tubing was purged to remove ambient air from the sampling system and to ensure that the collected soil vapor samples were representative of actual soil conditions. Clean Nylaflow tubing was utilized for each sample.

During sampling a can containing compressed 1,1-diflouroethane (Dust Off) was expelled over the sampling system. Analysis for 1,1-diflouroethane was conducted as a check for leaks in the sampling system. 1,1-diflouroethane was not detected in any of the samples. Duplicate samples, calibration standards, and sample blanks were used to provide Quality Assurance/Quality Control (QA/QC). Following analysis all drive rods were removed and each borehole was sealed with Portland cement grout. All drive rods used for soil vapor sampling were decontaminated before sampling and between each sample location using a laboratory grade detergent (Alconox) and de-ionized water wash and rinse.

All soil vapor samples were immediately analyzed on-site using TEG's mobile laboratory and were analyzed for VOCs using EPA Method 8260B. Soil vapor data is summarized on Table 1 and a copy of TEG's analytical report is provided in Attachment C.

Soil and Groundwater Investigation

Soil sampling activities were conducted by TEG under the direction of SCS on July 28, 2010. Soil and groundwater sampling location are shown on Figure 3. Soil sampling was conducted at six locations (*SS-1* through *SS-6*). Continuous soil cores were collected at each sampling location by hydraulically hammering 2.5-inch diameter, four-foot long stainless steel hollow drive rods containing acetate sample sleeves to the total depth of each boring. Upon retrieval, the acetate sleeves containing the soil cores were removed from the hollow drive rod at four foot intervals and inspected by SCS. Upon inspection the soil was characterized using the Unified Soil Classification System (USCS). Six-inch long soil core sections were cut from the four-foot long cores at desired sample depths for possible laboratory analysis and were sealed, capped, labeled, and placed into a chilled cooler. Additional soil from desired depths was also placed in zip-lock baggies, allowed to sit (volatilize) in the sun for approximately ½ hour, and then field screened using a Photo Ionization Detector (PID) calibrated with 100 ppm isobutylene (head space analysis).

Upon reaching the desired boring depth (approximately 20 feet bgs) temporary well casings were placed in each borehole consisting of 1/2-inch diameter schedule 40 PVC pipe threaded together and sealed with o-rings. Each casing was fitted with a five foot section of 0.010" factory slotted well screen at the bottom and capped with a threaded end cap. New well pipe and screen were used for each temporary well.

Groundwater samples (*GW-1* through *GW-5*) were collected from the temporary wells at depths of approximately 20 feet bgs. Groundwater samples were collected from the wells through dedicated polyethylene tubing connected to a shaker valve. Each groundwater sample container was then capped, labeled, and placed in a chilled cooler for later transport to a analytical laboratory.

All sampling equipment was decontaminated before the start of boring activities and between boring locations using a laboratory grade "Liquinox" detergent wash followed by a distilled water rinse.

Following investigation activities all soil and groundwater samples were transported to McCampbell Analytical (McCampbell) laboratory located in Pittsburg, California for analysis. All samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol. McCampbell is certified by the California Department of Health Services to perform the requested laboratory analysis. Soil and groundwater data are summarized on Tables 2 and 3, respectively. A copy of the McCampbell analytical report is provided in Attachment D.

ANALYTICAL RESULTS AND INTERPRETATION

Analytical results were compared to the Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) for commercial sites. Chemicals detected at concentrations below ESLs are generally assumed to not pose a significant threat to human health or the environment. ESLs are used as decision making guidance and do not have the effect of law or regulations. Analytical results are summarized on Tables 1 through 3 and are described below. Copies of the laboratory analytical reports are provided in Attachments C and D.

Soil Vapor Sample Analytical Results

Soil vapor samples were analyzed in the field for volatile organic compounds (VOCs) using modified EPA Method 8260B by TEG's state-certified mobile laboratory. The soil vapor data is summarized below and on Table 1:

- Benzene was detected in soil vapor samples SV-1, SV-2, SV-4, SV-6, and SV-8 at concentrations ranging from 0.10 to 5.4 micrograms per liter (ug/L) of vapor. The concentrations of benzene detected at SV-4 and SV-2 (0.40 ug/L and 5.4 ug/L, respectively) are above the 0.28 ug/L ESL established for benzene in soil vapor at commercial sites.

- Ethylbenzene was detected in soil vapor samples SV-2, SV-3, SV-4, and SV-6 at concentrations ranging from 0.10 to 5.6 ug/L of vapor. The 5.6 ug/L concentration of ethylbenzene at SV-2 is above the 3.3 ug/L ESL established for ethylbenzene in soil vapor at commercial sites.

- Total xylenes were detected in soil vapor samples SV-2, SV-3, SV-4, SV-6, and SV-8 at concentrations ranging from 0.24 to 21.2 ug/L of vapor. None of these detections exceed the 58 ug/L ESL established for total xylenes in soil vapor at commercial sites.

- Vinyl chloride was detected in soil vapor sample SV-6 at a concentration of 0.37 ug/L of vapor. This concentration is above the 0.1 ug/L ESL established for vinyl chloride in soil vapor at commercial sites. Vinyl chloride was not detected in any other soil vapor sample.

- Toluene was detected in soil vapor samples SV-2, SV-4, SV-6, and SV-8 at concentrations ranging from 0.25 to 2.4 ug/L. These concentrations are well below the ESL established for toluene of 180 ug/L in soil vapor at commercial sites.

- cis-1,2-Dichloroethene (cis-1,2-DCE) was detected in soil vapor sample SV-6 at a concentration of 0.21 ug/L. This concentration is well below the 20 ug/L ESL established for cis-1,2-DCE in soil vapor at commercial sites.

Soil and Groundwater Sample Analytical Results

Soil and groundwater samples were selectively analyzed for total petroleum hydrocarbons as gasoline (TPH-g), TPH as diesel fuel (TPH-d), and TPH as motor oil (TPH-mo) by EPA Method 8015C and for VOCs using EPA Method 8260B. Analytical results for the soil and groundwater samples are summarized below and in Tables 2 and 3.

- TPH-d was detected in soil samples SS-1, 10; SS-2, 10; SS-2, 15; SS-4, 19.5; SS-5, 2.5; SS-5, 10 and SS-6, 15 at concentrations ranging from 1.1 to 3.9 milligrams per kilogram (mg/kg). None of these concentrations exceed the 83 mg/kg ESL established for TPH-d in shallow and deep soil at commercial sites.

- TPH-mo was detected in soil sample SS-6, 15 at a concentration of 6.1 mg/kg. This concentration does not exceed the 5,000 mg/kg ESL established for TPH-d in deep soil at commercial sites.

- TPH-d and TPH-mo were detected in groundwater sample GW-4 at concentrations of 1,000 and 4,600 ug/L, respectively. These concentration exceed ESLs established for TPH-d and TPH-mo (100 ug/L for both) in groundwater. TPH-d and TPH-mo were not detected in any other groundwater samples.

- TPH-g and VOCs were not detected in any soil or groundwater samples.

SUMMARY AND CONCLUSIONS

Soil vapor samples collected in the vicinity of the former USTs at the site (SV-2 and SV-4) exceed ESLs established for benzene in soil vapor at commercial sites. However, these detections were in an area of the site that is void of buildings. Benzene detected in soil vapor samples closer to the main office building (SV-1 and SV-8) and maintenance shop office area (SV-6) are below commercial ESLs. Based on this data, the potential for fuel-related vapor intrusion in the main office building and maintenance shop office area at concentrations of regulatory concern appear to

be low. However, if the site is redeveloped, or if structures are to built over the former UST area or in areas of elevated soil vapor concentrations, further investigation and possible mitigation may be required.

Vinyl chloride was detected in soil vapor sample SV-6 (nearest the maintenance shop) at a concentration of 0.37 ug/L vapor. This concentration exceeds the 0.1 ug/L commercial ESL established for vinyl chloride. In addition, a relatively low concentration of cis-1,2-DCE (0.21 ug/L) was detected in soil vapor sample SV-6. Vinyl chloride and cis-1,2-DCE are breakdown products of chlorinated solvents such as tetrachloroethene (PCE). This may be an isolated occurrence, but could also suggest the potential for a larger solvent impact at or near the maintenance shop. Additional investigation is recommended in the vicinity of the maintenance shop to more fully evaluate the potential for chlorinated solvents in the subsurface.

One groundwater sample (GW-4) collected near the pressure wash area during this investigation contained elevated concentrations of TPH-d and TPH-mo that exceeded ESLs established for these compounds in groundwater. However, TPH-d and TPH-mo were not detected in two nearby groundwater samples collected at the same depth: GW-5 (collected <10 feet downgradient), and GW-3 (collected 20 feet downgradient). Additionally, significantly elevated concentrations of TPH-d and TPH-mo were not detected in soil samples collected from location SS-4/GW-4. This data suggests that the TPH-d and TPH-g impacted groundwater near the pressure wash area is limited. However, SCS recommends that the SFBRWQCB be notified of this issue (via submittal of this report), which could lead to a request for further investigation.

Please contact Steve Clements at (925) 240-5152 ext. 24 if you have any questions or comments regarding this submittal.

Sincerely,

Ted Sison, R.E.A.
Project Scientist
SCS ENGINEERS

Steve Clements, P.G. 6740, R.E.A.
Project Manager
SCS ENGINEERS

Attachments: Figure 1 – Site Vicinity Map
Figure 2 – Site Plan Showing Soil Vapor Sample Locations
Figure 3 – Site Plan Showing Pressure Wash Area Sample Location
Tables 1 through 3 – Analytical Data Summary Tables

Attachment A—Boring Logs
Attachment B—Alameda County Zone 7 Water Agency Drilling Permit
Attachment C—Preliminary Soil Vapor Analytical Report
Attachment D— Soil and Groundwater Analytical Report

FIGURES

Source: Google Earth 2010

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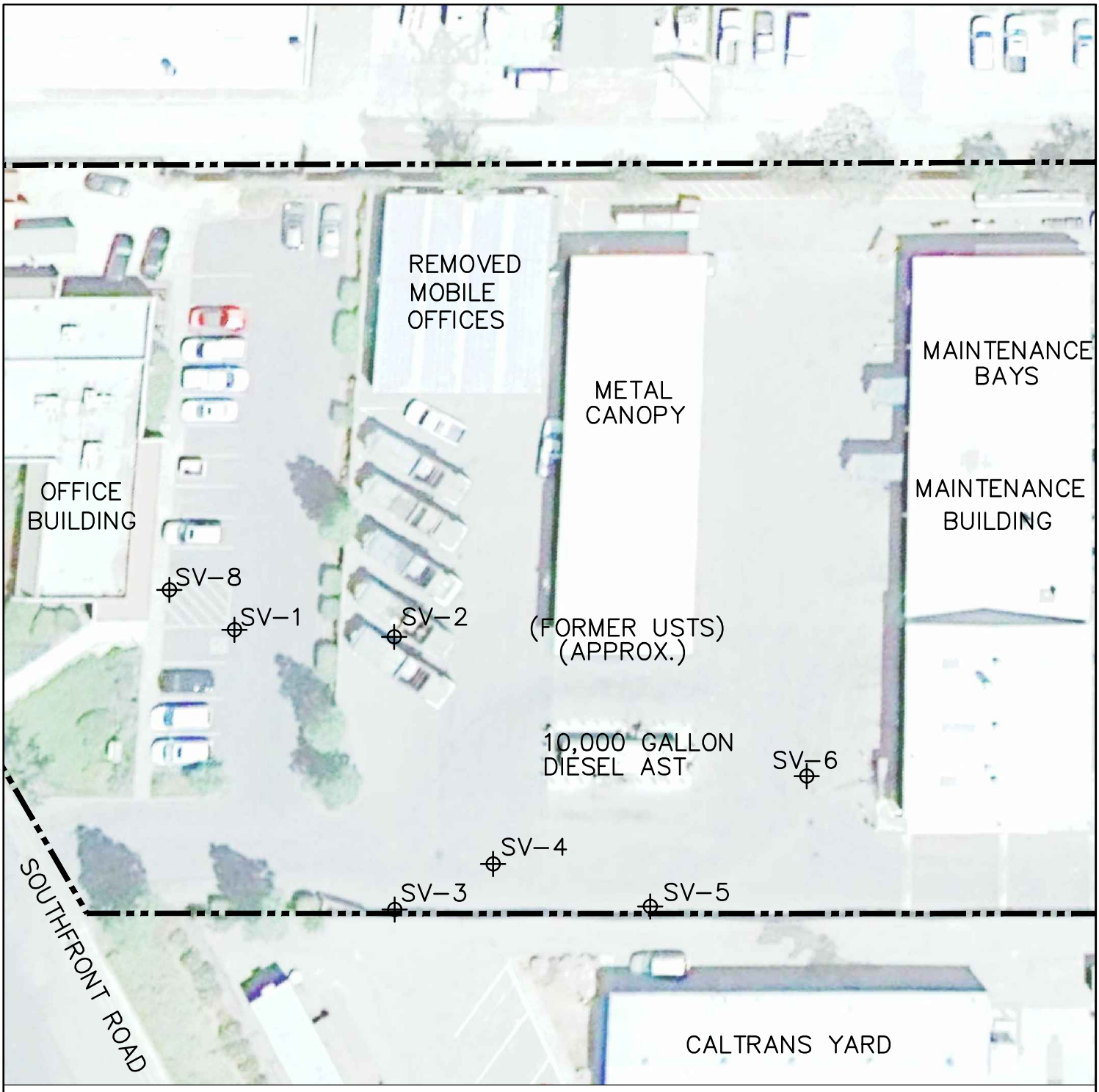
PROJECT NO: 01209250.00		CHECKED BY: SJC
DESIGNED BY: TMS	SCALE: None	APPROVED BY: SJC
DRAWN BY: TMS	DATE: 1/2010	FILE:

FIGURE 1 - SITE VICINITY MAP

6175 Southfront Road
Livermore, California



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APPROXIMATE SCALE IN FEET

LEGEND

SOIL VAPOR SAMPLE LOCATION

APPROXIMATE SITE BOUNDARY

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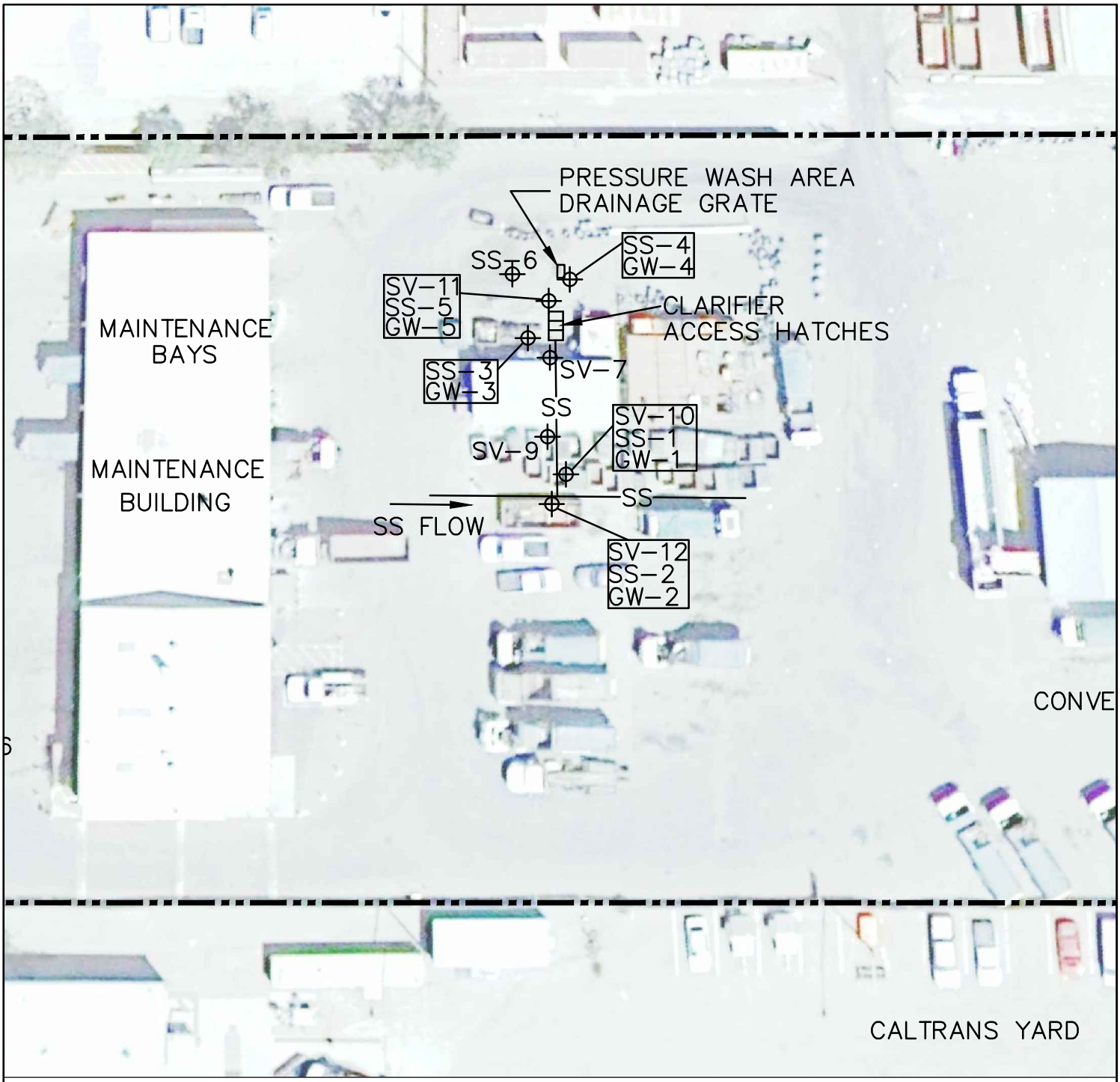
SITE PLAN SHOWING SOIL VAPOR SAMPLE LOCATIONS	FIGURE 2	PROJECT NO. 01209250.01
6175 SOUTHFRONT ROAD LIVERMORE, CALIFORNIA		DATE: 8–18–2010



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APPROXIMATE SCALE IN FEET

LEGEND

SS	SANITARY SEWER
⊕	SOIL VAPOR, SOIL, AND/OR GROUNDWATER SAMPLE LOCATION
— · —	APPROXIMATE SITE BOUNDARY

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SITE PLAN SHOWING PRESSURE WASH AREA SAMPLE LOCATIONS	FIGURE 3	PROJECT NO. 01209250.01
6175 SOUTHFRONT ROAD LIVERMORE, CALIFORNIA		DATE: 8-18-2010

TABLES

Table 1.
Summary of Soil Vapor Sample Analytical Results
6175 Southfront Road
Livermore, California

Sample ID	Sample Date	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Toluene	Vinyl Chloride	Total Xylenes
		µg/L-vapor					
SV-1	7/27/2010	**0.15**	ND	ND	ND	ND	ND
SV-2	7/27/2010	**5.4**	ND	**5.6**	**2.4**	ND	**21.5**
SV-3	7/27/2010	ND	ND	**0.10**	ND	ND	**0.24**
SV-4	7/27/2010	**0.40**	ND	**0.38**	**1.6**	ND	**2.16**
SV-5	7/27/2010	ND	ND	ND	ND	ND	ND
SV-6	7/27/2010	**0.13**	**0.21**	**0.18**	**0.82**	**0.37**	**1.06**
SV-7	7/27/2010	ND	ND	ND	ND	ND	ND
SV-8	7/27/2010	**0.10**	ND	ND	**0.25**	ND	**0.24**
SV-9	7/27/2010	ND	ND	ND	ND	ND	ND
SV-10	7/27/2010	ND	ND	ND	ND	ND	ND
SV-11	7/27/2010	ND	ND	ND	ND	ND	ND
SV-12	7/27/2010	ND	ND	ND	ND	ND	ND
Commercial ESL		0.28	20	3.3	180	0.1	58

Notes:

VOCs = Volatile Organic Compounds; analyzed using EPA Method 8260B (compounds not listed were not detected)

µg/L = micrograms per liter

ND = Not Detected

ESL = Environmental Screening Level - San Francisco Bay Regional Water Quality Control Board, Interim Final - November 2007, Revised May 2008 (applies to property above groundwater that is a current or potential drinking water resource).

Table 2.
Summary of Soil Sample Analytical Results
6175 Southfront Road
Livermore, California

Sample ID	Sample Date	Sample Depth (feet)	TPH-g	TPH-d	TPH-mo	VOCs
			mg/kg			
SS-1, 10	7/28/2010	10	<1.0	**1.5**	<5.0	ND
SS-1, 19.5	7/28/2010	20	<1.0	<1.0	<5.0	ND
SS-2, 10	7/28/2010	10	<1.0	**1.7**	<5.0	ND
SS-2, 15	7/28/2010	15	<1.0	**1.1**	<5.0	ND
SS-3, 11	7/28/2010	11	<1.0	<1.0	<5.0	ND
SS-3, 15	7/28/2010	15	<1.0	<1.0	<5.0	ND
SS-4, 15	7/28/2010	15	<1.0	<1.0	<5.0	ND
SS-4, 19.5	7/28/2010	20	<1.0	**1.3**	<5.0	ND
SS-5, 2.5	7/28/2010	3	<1.0	**3.9**	<5.0	ND
SS-5, 10	7/28/2010	10	<1.0	**3.0**	<5.0	ND
SS-6, 2.5	7/28/2010	3	<1.0	<1.0	<5.0	ND
SS-6, 15	7/28/2010	15	<1.0	**2.1**	**6.1**	ND
Commercial ESL (soils <3 meters deep)			83	83	2,500	varies
Commercial ESL (soils >3 meters deep)			83	83	5,000	varies

Notes:

TPH-g = Total Petroleum Hydrocarbons as gasoline; analyzed using EPA Method 8015Bm

TPH-d = Total Petroleum Hydrocarbons as diesel fuel; analyzed using EPA Method 8015B

TPH-mo = Total Petroleum Hydrocarbons as motor oil; analyzed using EPA Method 8015B

VOCs = Volatile Organic Compounds; analyzed using EPA Method 8260B

mg/kg = milligrams per kilogram (or parts per million; ppm)

ND = Not Detected (includes all constituents analyzed by this EPA Method)

ESL = Environmental Screening Level - San Francisco Bay Regional Water Quality Control Board, Interim Final - November 2007, Revised May 2008 (applies to property above groundwater that is a current or potential drinking water resource).

Table 3.
Summary of Groundwater Sample Analytical Results
6175 Southfront Road
Livermore, California

Sample ID	Sample Date	TPH-g	TPH-d	TPH-mo	VOCs
		µg/L			
GW-1	7/28/2010	<50	<50	<250	ND
GW-2	7/28/2010	<50	<50	<250	ND
GW-3	7/28/2010	<50	<50	<250	ND
GW-4	7/28/2010	<50	**1,000**	**4,600**	ND
GW-5	7/28/2010	<50	<50	<250	ND
ESL		100	100	100	varies

Notes:

TPH-g = Total Petroleum Hydrocarbons as gasoline; analyzed using EPA Method 8015Bm

TPH-d = Total Petroleum Hydrocarbons as diesel fuel; analyzed using EPA Method 8015B

TPH-mo = Total Petroleum Hydrocarbons as motor oil; analyzed using EPA Method 8015B

VOCs = Volatile Organic Compounds; analyzed using EPA Method 8260B

µg/L = micrograms per liter (or parts per billion; ppb)

ND = Not Detected (includes all constituents analyzed by this EPA Method)

ESL = Environmental Screening Level - San Francisco Bay Regional Water Quality Control Board, Interim Final - November 2007, Revised May 2008 (applies to groundwater that is a current or potential drinking water resource).

ATTACHMENT A

Boring Logs

SCS ENGINEERS

BORING LOG

6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-1

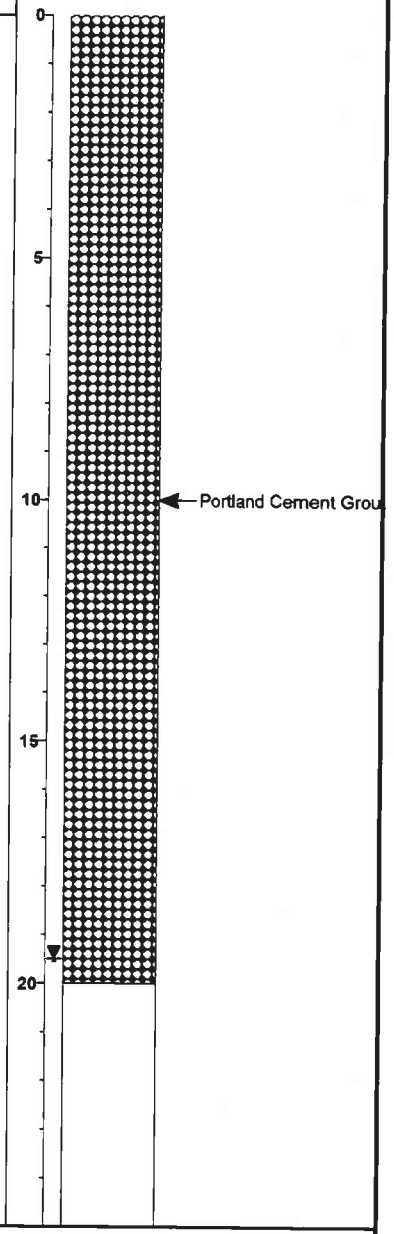
Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:
Located at former SV-10 location.

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0					SW		Poor recovery. Well graded sand, brown, slightly moist, no odor.
1								
	5		SS-1 5		0	CL		Silty clay, few well graded sands, light brown, slightly moist, no odor.
2								
3	10		SS-1 10		0	SC		Clayey well graded sand, light brown, moist, no odor.
4								
	15		SS-1 15		0	CL		Medium stiff clay, little silt, very few well graded sands, light brown, slightly moist, no odor.
5								
6	20		SS-1 19.5		0			Fine sandy clay, little silt, very few medium to coarse sand, brown, very moist, possible slight odor.
7								
	25							

Completion Detail



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

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BORING LOG

6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-2

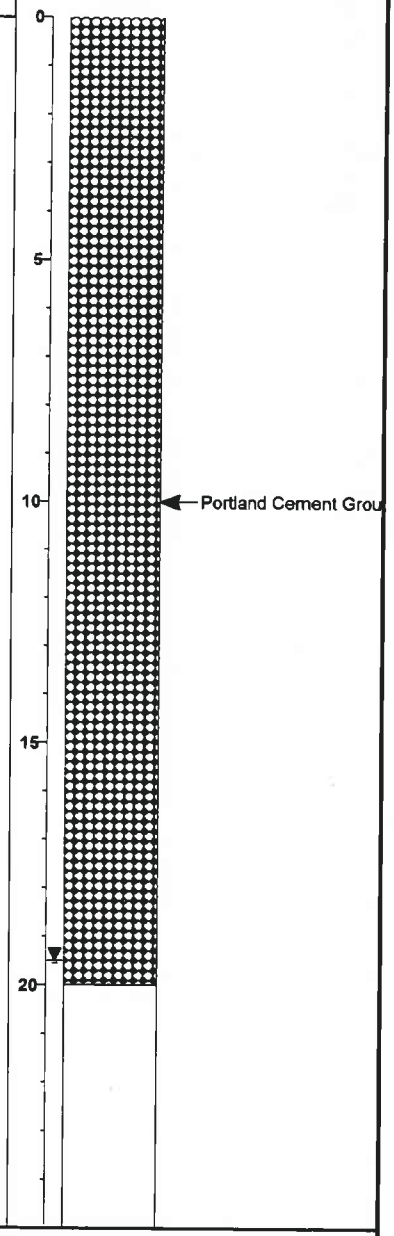
Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:
Located at former SV-12 location.

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1			SS-2 2.5		1.6	CL		Fine sandy clay, few medium/coarse sands, very few fine rounded gravels, dark brown, slightly moist, no odor.
2	5		SS-2 5		0.7			Silty clay, light brown, slightly moist, no odor.
3	10		SS-2 10		0.3	SC		Clayey well graded sand, brown, very moist, no odor.
4								
5	15		SS-2 15		0.5	CL		Medium stiff clay, very little silt, very few well graded sands, light brown, slightly moist, no odor.
6	20		SS-2 19.5		0.3			Fine sandy clay, very little silt, very few medium/coarse sands, light brown, very moist, no odor.
7								
	25							

Completion Detail



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

SCS ENGINEERS

BORING LOG

6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-3

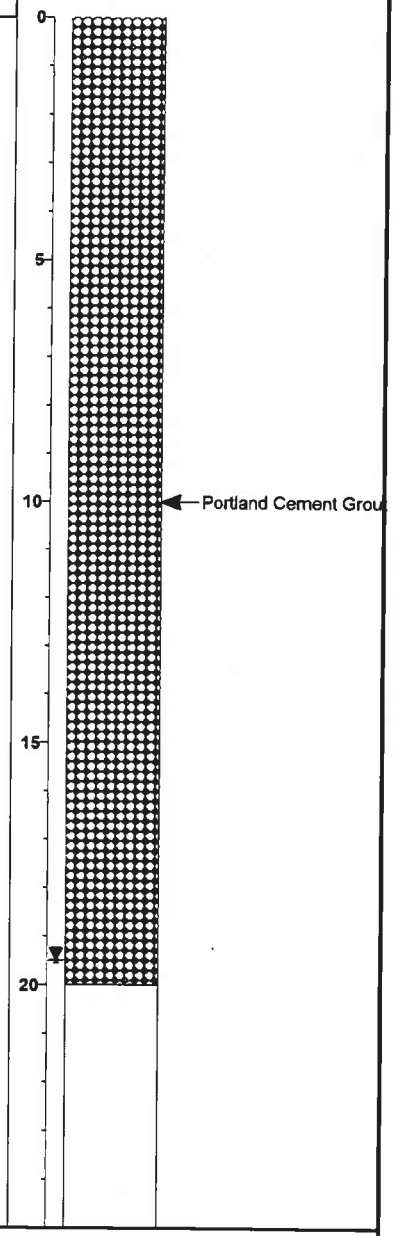
Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1			SS-3 2.5		0.9			Silty clay, some well graded sand, dark brown, moist, no odor.
	5		SS-3 5		1.1			Medium stiff silty clay, very few sands, light brown, slightly moist, no odor.
2						CL		
3	10		SS-3 11		5.4			Some possible soil staining at 11'-12' (grayish-brown). Fine sandy clay, little silt, light grayish-brown, very moist, no odor.
4								
	15		SS-3 15		0			Clay, little silt, few sands, light brown, moist, no odor.
5								
6	20		SS-3 19.5		0	SW		Well graded sand and clay 50:50, brown, wet, no odor.
7								
	25							

Completion Detail



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

SCS ENGINEERS

BORING LOG

6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-4

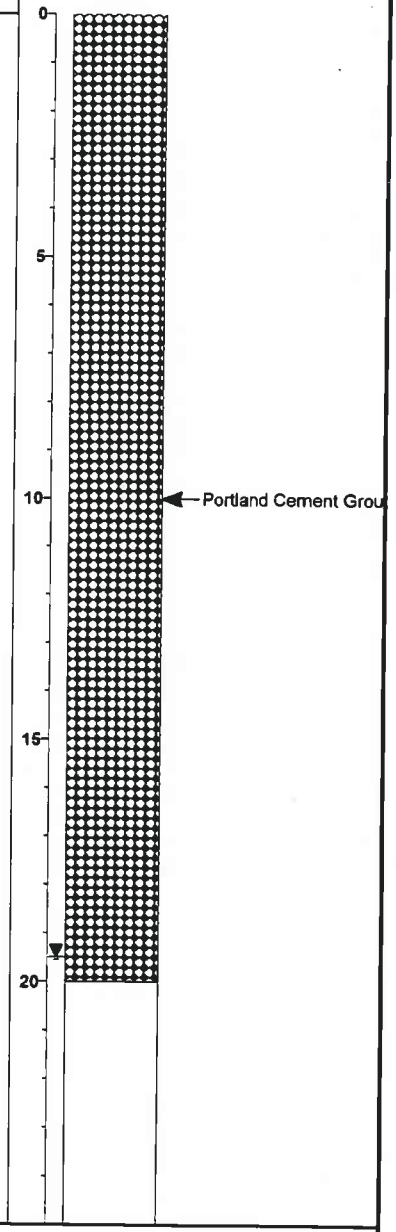
Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							No recovery.
1	5		SS-4 5		0	CL		Fine sandy clay, light brown, slightly moist, no odor.
2	10		SS-4 10.5		0	GC		@10-feet a 4-inch lense of clayey gravel present, brown, very moist, no odor. Silty clay, little very fine sand, very moist, no odor.
3	15		SS-4 15		1.1	CL		Silty clay, little very fine sand, light brown, moist, no odor.
4	20		SS-4 19.5		3.5			Silty clay with some well graded sand, brown, very moist, no odor.
5								
6								
7								
	25							

Completion Detail



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

SCS ENGINEERS

BORING LOG

6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-5

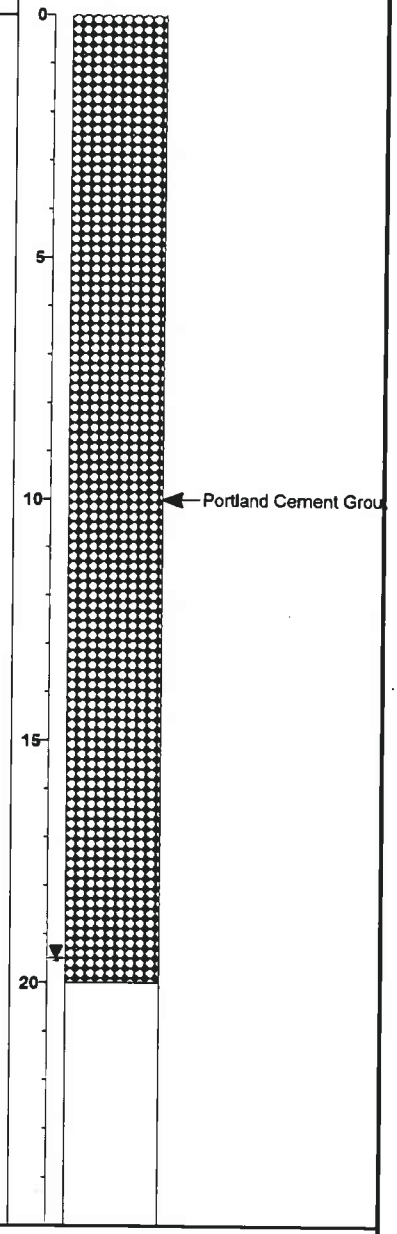
Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:
Located at former SV-11 location

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1			SS-5 2.5		0.6	CL		Clay, little sand, dark brown, moist, no odor.
	5		SS-5 5.5		1.9			Silty clay, few medium sands, light brown, slightly moist, no odor.
2								
3	10		SS-5 10		9.5	SW		Fine to medium sand, some clay, very moist, no odor.
4								
	15		SS-5 15		6.3	CL		Silty clay, some very fine sand, light brown, moist, no odor.
5								
6	20		SS-5 19		0	SC		Clayey very fine sand 60:40, light brown, wet, no odor.
7								
	25							

Completion Detail



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

SCS ENGINEERS

BORING LOG

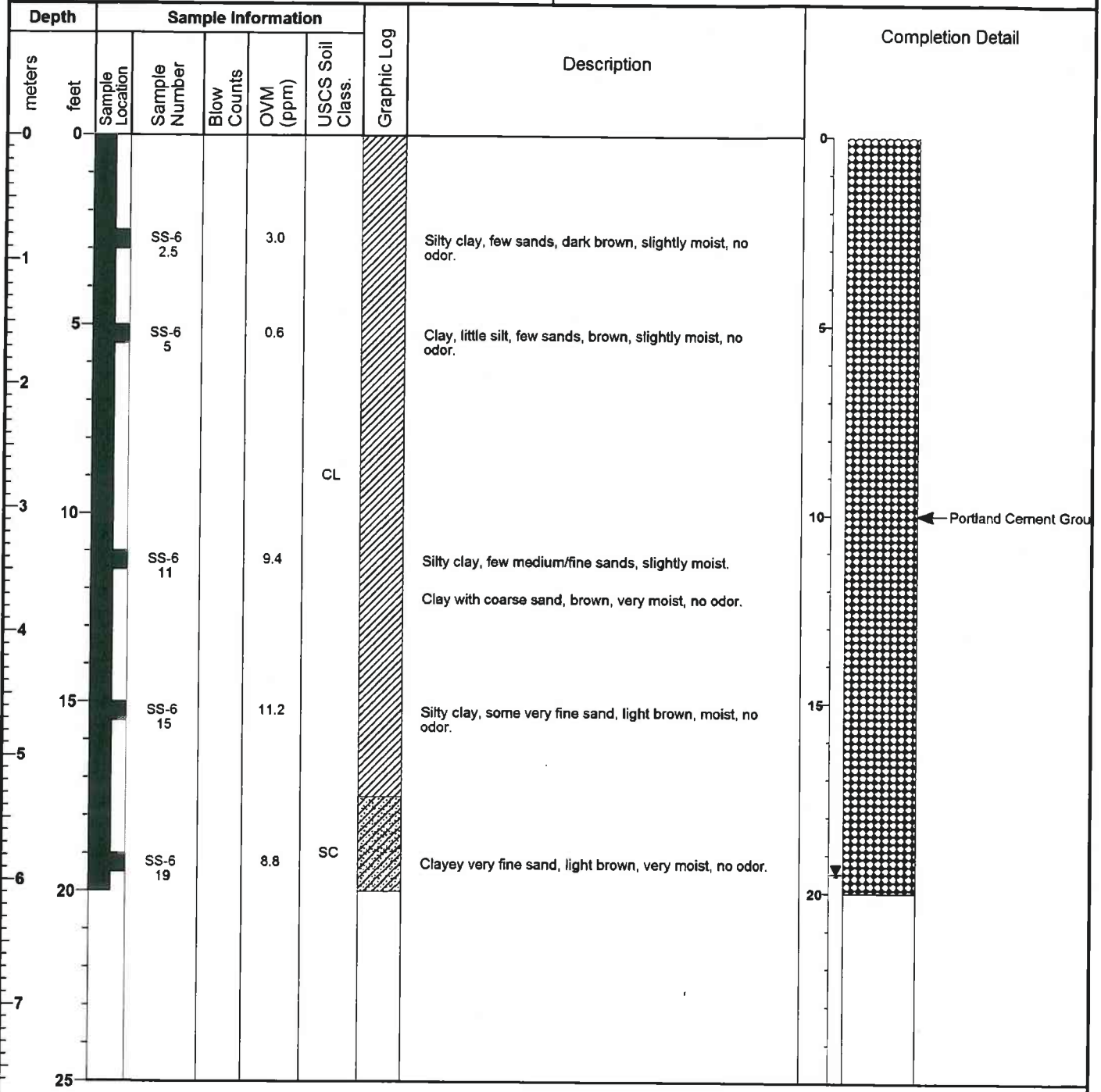
6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

BORING NUMBER: SS-6

Limited Phase II Environmental Assessment
6175 Southfront Road
Livermore, CA

JOB NUMBER: 01209250.01

REMARKS:



Drilling Company: **TEG**
Drilling Method: **Direct Push**
Logged By: **T. Sison**
Sampling Method: **Continuous Core**

Date Started: **7/28/10**
Date Ended: **7/28/10**
Boring Diameter: **2.5 inches**

Depth to Water: **19.5 Feet**
Total Depth: **20.0 Feet**

STANDARD_LOG WM 6175 SOUTHFRONT RD LIVERMORE.GPJ STD_LOG.GDT 8/18/10

ATTACHMENT B

Alameda County Zone 7 Water Agency Drilling Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 6175 Southfront Road, Livermore, CA

PERMIT NUMBER 2010065
WELL NUMBER
APN 099B-5875-017-06

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN 099B-5875-017-06

CLIENT
Name Waste Management, Inc. Jim Morgan 4th Floor
Address 720 E. Butterfield Rd Phone 630 218-1512
City Lombard, IL Zip 60148

APPLICANT
Name Ted Sison, REA
Email tsison@scsengineers.com Fax 925-426-0707
Address 6601 Koll Center Parkway, Suite 140 Phone 925-426-0080
City Pleasanton Zip 94566

TYPE OF PROJECT:

Well Construction	__	Geotechnical Investigation	__
Well Destruction	__	Contamination Investigation	X
Cathodic Protection	__	Other _____	__

PROPOSED WELL USE:

Domestic	__	Irrigation	__
Municipal	__	Remediation	__
Industrial	__	Groundwater Monitoring	__
Dewatering	__	Other _____	__

DRILLING METHOD:

Mud Rotary	__	Air Rotary	__	Hollow Stem Auger	__
Cable Tool	__	Direct Push	X	Other _____	__

DRILLING COMPANY TEG

DRILLER'S LICENSE NO. 706568

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings approx 20 Maximum
Hole Diameter 2-3 inch in. Depth 20 ft ft.

ESTIMATED STARTING DATE 7-27-2010
ESTIMATED COMPLETION DATE 7-28-2010

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 7-20-2010

ATTACH SITE PLAN OR SKETCH

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
3. Permit is void if project not begun within 90 days of approval date.
4. Notify Zone 7 at least 24 hours before the start of work.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 7/21/10
Wyman Hong

Revised: January 4, 2010

ATTACHMENT C

Preliminary Soil Vapor Analytical Report

19 August 2010

Mr. Steve Clements
SCS Engineers
6601 Koll Center Parkway, Suite 140
Pleasanton, CA 94566

SUBJECT: DATA REPORT - SCS Engineers Project # 1209250.01
6175 Southfront Road, Livermore, California

TEG Project # 00727D

Mr. Clements:

Please find enclosed a data report for the samples analyzed from the above referenced project for SCS Engineers. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 15 analyses on 15 soil vapor samples.

-- 15 analyses on soil vapors for selected volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 µg/L of vapor.

TEG appreciates the opportunity to have provided analytical services to SCS Engineers on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

SCS Engineers Project #1209250.01
6175 Southfront Rd, Livermore, California

TEG Project #00727D

EPA Method 8260B VOC Analyses of SOIL VAPOR in µg/L of Vapor

SAMPLE NUMBER:		Probe Blank	SV-1	SV-2	SV-2	SV-2	SV-3
SAMPLE DEPTH (feet):			3.0	3.0	3.0	3.0	3.0
PURGE VOLUME:			7	1	3	7	7
COLLECTION DATE:		7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
COLLECTION TIME:		8:53	12:56	10:35	10:57	11:19	12:04
DILUTION FACTOR (VOCs):		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	0.10	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.10	nd	nd	nd	nd	nd	nd
Chloroethane	0.10	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd	nd	nd
Methylene Chloride	0.10	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd
Chloroform	0.10	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	0.10	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd
Benzene	0.080	nd	0.15	1.1	4.6	5.4	nd
Trichloroethene	0.10	nd	nd	nd	nd	nd	nd
Toluene	0.20	nd	nd	0.85	2.4	2.1	nd
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	0.89	4.5	5.6	0.10
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.20	nd	nd	3.1	15	20	0.24
o-Xylene	0.10	nd	nd	0.30	1.2	1.5	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		91%	89%	89%	83%	85%	90%
Surrogate Recovery (1,4-BFB)		91%	96%	93%	93%	97%	94%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

TEG Project #00727D

EPA Method 8260B VOC Analyses of SOIL VAPOR in µg/L of Vapor

SAMPLE NUMBER:		SV-4	SV-5	SV-6	SV-7	SV-8	SV-8 dup
SAMPLE DEPTH (feet):		3.0	3.0	3.0	5.0	3.0	3.0
PURGE VOLUME:		7	7	7	7	7	7
COLLECTION DATE:		7/27/10	7/27/10	7/27/10	7/27/10	7/27/10	7/27/10
COLLECTION TIME:		12:34	13:20	13:54	14:18	14:45	14:45
DILUTION FACTOR (VOCs):		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	0.10	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.10	nd	nd	0.37	nd	nd	nd
Chloroethane	0.10	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd	nd	nd
Methylene Chloride	0.10	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.10	nd	nd	0.21	nd	nd	nd
Chloroform	0.10	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	0.10	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd
Benzene	0.080	0.40	nd	0.13	nd	0.10	0.083
Trichloroethene	0.10	nd	nd	nd	nd	nd	nd
Toluene	0.20	1.6	nd	0.82	nd	0.25	0.20
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.10	0.38	nd	0.18	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.20	1.7	nd	0.87	nd	0.24	nd
o-Xylene	0.10	0.46	nd	0.19	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		92%	89%	91%	90%	90%	93%
Surrogate Recovery (1,4-BFB)		96%	93%	94%	95%	96%	95%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

TEG Project #00727D

EPA Method 8260B VOC Analyses of SOIL VAPOR in µg/L of Vapor

SAMPLE NUMBER:		SV-9	SV-10	SV-11	SV-12
SAMPLE DEPTH (feet):		5.0	4.0	3.0	5.0
PURGE VOLUME:		7	7	7	7
COLLECTION DATE:		7/27/10	7/27/10	7/27/10	7/27/10
COLLECTION TIME:		15:30	15:51	16:11	16:32
DILUTION FACTOR (VOCs):		1	1	1	1
	RL				
Dichlorodifluoromethane	0.10	nd	nd	nd	nd
Vinyl Chloride	0.10	nd	nd	nd	nd
Chloroethane	0.10	nd	nd	nd	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd
Methylene Chloride	0.10	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.10	nd	nd	nd	nd
1,1-Dichloroethane	0.10	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.10	nd	nd	nd	nd
Chloroform	0.10	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	nd	nd	nd	nd
Carbon Tetrachloride	0.10	nd	nd	nd	nd
1,2-Dichloroethane	0.10	nd	nd	nd	nd
Benzene	0.080	nd	nd	nd	nd
Trichloroethene	0.10	nd	nd	nd	nd
Toluene	0.20	nd	nd	nd	nd
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd
m,p-Xylene	0.20	nd	nd	nd	nd
o-Xylene	0.10	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10	nd	nd	nd	nd
Surrogate Recovery (DBFM)		93%	93%	92%	92%
Surrogate Recovery (1,4-BFB)		93%	94%	94%	94%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

TEG Project #00727D

CALIBRATION STANDARDS - Initial Calibration / LCS

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION RF	INITIAL CALIBRATION %RSD	LCS RF	LCS %DIFF
Dichlorodifluoromethane*	0.229	3.0%	0.259	13.1%
Vinyl Chloride*	0.293	3.1%	0.317	8.2%
Chloroethane*	0.138	6.5%	0.165	19.6%
Trichlorofluoromethane*	0.271	3.7%	0.308	13.7%
1,1-Dichloroethene	0.204	11.2%	0.221	8.3%
1,1,2-Trichloro-trifluoroethane*	0.202	8.1%	0.227	12.4%
Methylene Chloride	0.248	11.5%	0.215	13.3%
trans-1,2-Dichloroethene	0.264	12.4%	0.248	6.1%
1,1-Dichloroethane	0.430	3.5%	0.437	1.6%
cis-1,2-Dichloroethene	0.292	7.3%	0.297	1.7%
Chloroform	0.407	9.9%	0.385	5.4%
1,1,1-Trichloroethane	0.327	4.9%	0.338	3.4%
Carbon Tetrachloride	0.286	6.7%	0.299	4.5%
1,2-Dichloroethane	0.228	4.3%	0.220	3.5%
Benzene	1.009	11.4%	1.044	3.5%
Trichloroethene	0.260	3.6%	0.267	2.7%
Toluene	0.704	14.3%	0.696	1.1%
1,1,2-Trichloroethane	0.169	5.7%	0.158	6.5%
Tetrachloroethene	0.266	6.8%	0.272	2.3%
Ethylbenzene	0.551	12.0%	0.568	3.1%
1,1,1,2-Tetrachloroethane	0.331	5.0%	0.323	2.4%
m,p-Xylene	0.669	17.3%	0.699	4.5%
o-Xylene	0.643	12.9%	0.661	2.8%
1,1,2,2-Tetrachloroethane	0.612	14.1%	0.590	3.6%
Acceptable Limits		20.0%		15.0%

'*' Indicates RSD not to exceed 30% & LCS not to exceed 25%

ATTACHMENT D

Soil and Groundwater Analytical Report

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Reported: 08/04/10
Pleasanton, CA 94566	Client P.O.:	Date Completed: 08/03/10

WorkOrder: 1007768

August 04, 2010

Dear Steve:

Enclosed within are:

1) The results of the **18** analyzed samples from your project: **#01209250.01; 6175 Southfront Rd, Livermore, Ca,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

CHAIN OF CUSTODY RECORD

1007768

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 34
PAGE 1 OF 3
TURNAROUND TIME REQUIRED: Normal
___5-Day ___3-Day ___Immediate ____Other

PROJECT NUMBER: 01209250.01
PROJECT MANAGER: S Clements
PROJECT NAME: 6175 Southfront Rd
W.O. / S.O. #:
PROJECT LOCATION: Livermore, CA
SAMPLER NAME AND SIGNATURE: Ted Sison

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TPH-gid, mo	Full 8260	Archive	LAB USE ONLY
	SS-1, 5	soil	7-28-10	Acetate sleeve	~~HCl~~				X	
	SS-1, 10	↓	↓	↓			X	X		
	SS-1, 15								X	
	SS-1, 19.5						X	X		
+5	~~GW-1~~ GW-1	~~H2O~~ H2O		1 AL 4 VOAs	HCl		X	X		
	SS-2, 2.5	soil		Acetate Sleeve					X	
	SS-2, 5								X	
	SS-2, 10						X	X		
	SS-2, 15						X	X		
	SS-2, 19.5								X	
5	GW-2	H2O		1 AL 4 VOAs	HCl		X	X		
	SS-3, 2.5	soil		Acetate Sleeve					X	
	SS-3, 5								X	
	SS-3, 11						X	X		
	SS-3, 15	↓	↓	↓			X	X		

NOTES:
* use silica gel clean-up for TPH when appropriate.

SAMPLE CONDITION UPON RECEIPT:
ICE / t° 7.0
GOOD CONDITION ____ APP
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	7-28-10	Environtech T.L	1-28-10	Environ-Tech Svc	7/28	PRESERVATIO	7/28/10
COMPANY: SCS	TIME: 5:30	COMPANY: Environtech T.L	TIME: 17:34	COMPANY:	TIME: 7/28/10 1827	COMPANY:	TIME: 1755

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 384
PAGE 2 OF 3
TURNAROUND TIME REQUIRED: Normal
___5-Day ___3-Day ___Immediate _____Other

PROJECT NUMBER: 01209250.01
PROJECT MANAGER: S. Clements
PROJECT NAME: 6175 Southfront Rd
W.O. / S.O. #:
PROJECT LOCATION: Livermore, CA
SAMPLER NAME AND SIGNATURE: Ted Sison

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TPH-g/d, mo	Full 8260	Archive						LAB USE ONLY
	SS-3, 19.5	soil	7-28-10	Acetate sleeve	i				X						
x5	GW-3	H2O		1 L A 4 VOAS	HCl		X	X							
	SS-4, 5	Soil		Acetate Sleeve					X						
	SS-4, 10.5	↓		↓			X	X	X						
	SS-4, 15						X	X							
	SS-4, 19.5						X	X	X						
x20	GW-4	H2O		1 AL 4 VOAS	HCl		X	X							
	SS-5, 2.5	Soil		Acetate Sleeve			X	X							
	SS-5, 5.5								X						
	SS-5, 10						X	X							
	SS-5, 15								X						
	SS-5, 19								X						
x5	GW-5	H2O		1 AL 4 VOAS	HCl		X	X							
	SS-6, 2.5	Soil		Acetate Sleeve			X	X							
	SS-6, 5	↓	↓	↓					X						

NOTES:
* Use silica gel clean-up for TPH when appropriate.

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	7-28-10	Envirotech T.L	7-28-10	Enviro-Tech	7/28		7/28/10
COMPANY: SCS	TIME: 5:30	COMPANY: Envirotech	TIME: 17:35	COMPANY:	TIME: 7/28/10 1837	COMPANY:	TIME: 1755

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566
925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: ~~24~~ 34

PAGE 3 OF 3

TURNAROUND TIME REQUIRED: Normal
___5-Day ___3-Day ___Immediate ____Other

PROJECT NUMBER: 01209250.01

PROJECT MANAGER: S. Clements

PROJECT NAME: 6175 Southfront Rd

W.O. / S.O. #:

PROJECT LOCATION: Livermore, CA

SAMPLER NAME AND SIGNATURE: Ted Sison

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TPH-g,d, MO	Full 8260	Archive	LAB USE ONLY
	SS-6, 11	Soil	7-28-10	Acetate Sleeve					X	
	SS-6, 15	↓	↓	↓			X	X	X	
	SS-6, 19	↓	↓	↓					X	
	~~GW-6~~	~~H2O~~	↓	~~1 L Amber~~ 4 VOAs	~~HCl~~					
✓	QTCB	H2O	7-28-10	2 VOAs	HCl			X		

NOTES:
* use silica gel clean-up for TPH when appropriate.

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	7-28-10	Enviro Tech L	7-28-10	Enviro-Tech Svc	7/28		7/28/10
COMPANY: SCS	TIME: 5:30	COMPANY: Enviro Tech L	TIME: 17:34	COMPANY:	TIME: 7/28/10 1837	COMPANY:	TIME: 1755

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1007768 **ClientCode: SCSD**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Steve Clements
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566
(925) 426-0080 FAX (925) 426-0707

Email: sclements@scseng.com
cc:
PO:
ProjectNo: #01209250.01; 6175 Southfront Rd, Livermore, Ca

Bill to:
Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: 5 days

Date Received: **07/28/2010**
Date Printed: **07/28/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1007768-002	SS-1, 10	Soil	7/28/2010	☐	A			A								
1007768-004	SS-1, 19.5	Soil	7/28/2010	☐	A			A								
1007768-005	GW-1	Water	7/28/2010	☐		B	A									
1007768-008	SS-2,10	Soil	7/28/2010	☐	A			A								
1007768-009	SS-2,15	Soil	7/28/2010	☐	A			A								
1007768-011	GW-2	Water	7/28/2010	☐		B	A									
1007768-014	SS-3,11	Soil	7/28/2010	☐	A			A								
1007768-015	SS-3,15	Soil	7/28/2010	☐	A			A								
1007768-017	GW-3	Water	7/28/2010	☐		B	A									
1007768-020	SS-4,15	Soil	7/28/2010	☐	A			A								
1007768-021	SS-4,19.5	Soil	7/28/2010	☐	A			A								
1007768-022	GW-4	Water	7/28/2010	☐		B	A									
1007768-023	SS-5,2.5	Soil	7/28/2010	☐	A			A								
1007768-025	SS-5,10	Soil	7/28/2010	☐	A			A								

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_W	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 002A, 004A, 005A, 008A, 009A, 011A, 014A, 015A, 017A, 020A, 021A, 022A, 023A, 025A, 028A, 029A, 032A contain testgroup.

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1007768 **ClientCode: SCSD**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Steve Clements
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566
(925) 426-0080 FAX (925) 426-0707

Email: sclements@scseng.com
cc:
PO:
ProjectNo: #01209250.01; 6175 Southfront Rd, Livermore, Ca

Bill to:
Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: 5 days

Date Received: **07/28/2010**
Date Printed: **07/28/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1007768-028	GW-5	Water	7/28/2010	☐		B	A									
1007768-029	SS-6,2.5	Soil	7/28/2010	☐	A			A								
1007768-032	SS-6,15	Soil	7/28/2010	☐	A			A								
1007768-034	QCTB	Water	7/28/2010	☐		A										

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_W	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 002A, 004A, 005A, 008A, 009A, 011A, 014A, 015A, 017A, 020A, 021A, 022A, 023A, 025A, 028A, 029A, 032A contain testgroup.

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **SCS Engineers** Date and Time Received: **7/28/2010 8:07:15 PM**

Project Name: **#01209250.01; 6175 Southfront Rd, Livermore, Ca** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1007768** Matrix Soil/Water Carrier: EnviroTech (MTZ)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-002A
Client ID	SS-1, 10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	110	%SS2:	108
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-004A
Client ID	SS-1, 19.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	111	%SS2:	107
%SS3:	108		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-005B
Client ID	GW-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	121	%SS2:	105
%SS3:	103		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-008A
Client ID	SS-2,10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	108	%SS2:	106
%SS3:	102		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-009A
Client ID	SS-2,15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	109	%SS2:	106
%SS3:	104		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-011B
Client ID	GW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	121	%SS2:	104
%SS3:	101		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
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6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-014A
Client ID	SS-3,11
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	107	%SS2:	103
%SS3:	96		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
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6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-015A
Client ID	SS-3,15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	106	%SS2:	102
%SS3:	88		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-017B
Client ID	GW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	121	%SS2:	106
%SS3:	101		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-020A
Client ID	SS-4,15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	105	%SS2:	103
%SS3:	102		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
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6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-021A
Client ID	SS-4,19.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	107	%SS2:	99
%SS3:	95		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
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6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-022B
Client ID	GW-4
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	123	%SS2:	104
%SS3:	101		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-023A
Client ID	SS-5,2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	108	%SS2:	100
%SS3:	96		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-025A
Client ID	SS-5,10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	106	%SS2:	100
%SS3:	94		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-028B
Client ID	GW-5
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	122	%SS2:	107
%SS3:	104		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-029A
Client ID	SS-6,2.5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	110	%SS2:	100
%SS3:	94		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
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6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-032A
Client ID	SS-6,15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	107	%SS2:	101
%SS3:	99		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Telephone: 877-252-9262 Fax: 925-252-9269

SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 07/31/10

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1007768

Lab ID	1007768-034A
Client ID	QCTB
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	124	%SS2:	107
%SS3:	106		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

b1) aqueous sample that contains greater than ~1 vol. % sediment

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10-07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 07/30/10-07/31/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Bm Work Order: 1007768

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
002A	SS-1, 10	S	ND	1	92	
004A	SS-1, 19.5	S	ND	1	86	
005A	GW-1	W	ND	1	102	b1
008A	SS-2,10	S	ND	1	80	
009A	SS-2,15	S	ND	1	85	
011A	GW-2	W	ND	1	101	b1
014A	SS-3,11	S	ND	1	87	
015A	SS-3,15	S	ND	1	89	
017A	GW-3	W	ND	1	102	b1
020A	SS-4,15	S	ND	1	91	
021A	SS-4,19.5	S	ND	1	93	
022A	GW-4	W	ND	1	101	b1
023A	SS-5,2.5	S	ND	1	99	
025A	SS-5,10	S	ND	1	93	
028A	GW-5	W	ND	1	98	b1
029A	SS-6,2.5	S	ND	1	83	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10-07/31/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 07/30/10-07/31/10

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Bm Work Order: 1007768

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
032A	SS-6,15	S	ND	1	87	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

%SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

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		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 08/02/00-07/31/10

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/SW3550B/36 Analytical methods: SW8015B Work Order: 1007768

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1007768-002A	SS-1, 10	S	1.5	ND	1	109	e2
1007768-004A	SS-1, 19.5	S	ND	ND	1	109	
1007768-005A	GW-1	W	ND	ND	1	84	b1
1007768-008A	SS-2,10	S	1.7	ND	1	100	e2
1007768-009A	SS-2,15	S	1.1	ND	1	116	e2
1007768-011A	GW-2	W	ND	ND	1	98	b1
1007768-014A	SS-3,11	S	ND	ND	1	106	
1007768-015A	SS-3,15	S	ND	ND	1	114	
1007768-017A	GW-3	W	ND	ND	1	107	b1
1007768-020A	SS-4,15	S	ND	ND	1	117	
1007768-021A	SS-4,19.5	S	1.3	ND	1	113	e2
1007768-022A	GW-4	W	1000	4600	1	99	e7,e2,b1
1007768-023A	SS-5,2.5	S	3.9	ND	1	115	e2
1007768-025A	SS-5,10	S	3.0	ND	1	114	e2
1007768-028A	GW-5	W	ND	ND	1	99	b1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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SCS Engineers	Client Project ID: #01209250.01; 6175 Southfront Rd, Livermore, Ca	Date Sampled: 07/28/10
		Date Received: 07/28/10
6601 Koll Center Pkwy, Ste 140	Client Contact: Steve Clements	Date Extracted: 07/28/10
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 08/02/00-07/31/10

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/SW3550B/36 Analytical methods: SW8015B Work Order: 1007768

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
1007768-029A	SS-6,2.5	S	ND	ND	1	117	
1007768-032A	SS-6,15	S	2.1	6.1	1	108	e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

#) cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; &) low or no surrogate due to matrix interference.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e2) diesel range compounds are significant; no recognizable pattern
e7) oil range compounds are significant

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52161 WorkOrder 1007768

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1007763-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	74.2	74.1	0.0864	81.5	80.3	1.44	70 - 130	30	70 - 130	30
Benzene	ND	0.050	102	104	1.29	112	114	1.73	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	96.1	98.1	2.03	104	110	6.40	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	113	111	1.85	121	124	2.11	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	104	105	1.21	107	105	2.16	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	101	101	0	117	116	1.20	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	101	103	2.05	106	108	2.01	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	94.2	96.4	2.30	122	122	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	84.2	86	2.10	99	95.8	3.29	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	90.1	89.3	0.973	98.7	97.6	1.14	70 - 130	30	70 - 130	30
Toluene	ND	0.050	111	110	0.889	121	125	3.11	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	112	111	1.37	115	116	0.708	70 - 130	30	70 - 130	30
%SS1:	109	0.13	106	105	1.15	101	101	0	70 - 130	30	70 - 130	30
%SS2:	107	0.13	114	114	0	117	116	0.517	70 - 130	30	70 - 130	30
%SS3:	107	0.013	129	112	14.6	114	105	8.47	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52161 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-002A	07/28/10	07/28/10	07/31/10 6:15 AM	1007768-004A	07/28/10	07/28/10	07/31/10 6:57 AM
1007768-008A	07/28/10	07/28/10	07/31/10 7:39 AM	1007768-009A	07/28/10	07/28/10	07/31/10 8:22 AM
1007768-014A	07/28/10	07/28/10	07/31/10 9:04 AM	1007768-015A	07/28/10	07/28/10	07/31/10 9:47 AM
1007768-020A	07/28/10	07/28/10	07/31/10 10:29 AM	1007768-021A	07/28/10	07/28/10	07/31/10 11:12 AM
1007768-023A	07/28/10	07/28/10	07/31/10 11:54 AM	1007768-025A	07/28/10	07/28/10	07/31/10 12:36 PM
1007768-029A	07/28/10	07/28/10	07/31/10 1:19 PM	1007768-032A	07/28/10	07/28/10	07/31/10 2:01 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52042 WorkOrder 1007768

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	95	95.1	0.112	N/A	N/A	70 - 130	30
%SS:	N/A	625	N/A	N/A	N/A	93	93	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52042 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-005A	07/28/10	07/28/10	07/29/10 3:21 AM	1007768-011A	07/28/10	07/28/10	07/31/10 4:00 PM
1007768-017A	07/28/10	07/28/10	07/31/10 1:44 PM	1007768-022A	07/28/10	07/28/10	07/29/10 2:13 AM
1007768-028A	07/28/10	07/28/10	07/29/10 1:05 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52069 WorkOrder 1007768

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1007656-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	111	110	0.468	112	121	7.67	70 - 130	20	70 - 130	20
MTBE	ND	10	104	96.6	7.82	109	106	2.84	70 - 130	20	70 - 130	20
Benzene	ND	10	85.1	87.1	2.28	82.8	84.5	2.06	70 - 130	20	70 - 130	20
Toluene	ND	10	85.8	87.5	2.00	83.5	84.8	1.57	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	86.1	88.4	2.64	85.7	88.1	2.77	70 - 130	20	70 - 130	20
Xylenes	ND	30	85.9	87.9	2.29	85.6	84.5	1.31	70 - 130	20	70 - 130	20
%SS:	103	10	93	97	3.40	91	89	1.53	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52069 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-005A	07/28/10	07/31/10	07/31/10 1:01 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52127 WorkOrder 1007768

EPA Method SW8015B **Extraction SW3550B/3630C** **Spiked Sample ID: 1007748-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	40	107	114	6.62	110	113	2.64	70 - 130	30	70 - 130	30
%SS:	104	25	112	108	3.88	102	104	2.26	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52127 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-002A	07/28/10	07/28/10	07/30/10 10:10 PM	1007768-004A	07/28/10	07/28/10	07/30/10 5:12 AM
1007768-008A	07/28/10	07/28/10	07/30/10 4:04 AM	1007768-009A	07/28/10	07/28/10	07/29/10 9:13 PM
1007768-014A	07/28/10	07/28/10	07/30/10 1:42 PM	1007768-015A	07/28/10	07/28/10	07/30/10 9:43 AM
1007768-020A	07/28/10	07/28/10	07/30/10 12:34 PM	1007768-021A	07/28/10	07/28/10	07/29/10 5:43 PM
1007768-023A	07/28/10	07/28/10	08/03/00 3:05 AM	1007768-025A	07/28/10	07/28/10	08/02/00 8:16 PM
1007768-029A	07/28/10	07/28/10	07/30/10 4:04 AM	1007768-032A	07/28/10	07/28/10	07/30/10 6:19 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52151 WorkOrder 1007768

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1007768-028A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	112	109	2.12	98.4	97.8	0.544	70 - 130	20	70 - 130	20
MTBE	ND	10	107	112	5.16	98	107	8.94	70 - 130	20	70 - 130	20
Benzene	ND	10	94.1	92.9	1.28	93.9	93.3	0.638	70 - 130	20	70 - 130	20
Toluene	ND	10	95.3	91.9	3.57	93	93.3	0.374	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	94.5	92.5	2.13	93.9	92.2	1.80	70 - 130	20	70 - 130	20
Xylenes	ND	30	96.7	94.8	2.01	96.7	95.7	1.04	70 - 130	20	70 - 130	20
%SS:	98	10	94	95	1.45	94	97	2.48	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52151 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-011A	07/28/10	07/30/10	07/30/10 5:10 AM	1007768-017A	07/28/10	07/30/10	07/30/10 6:38 AM
1007768-022A	07/28/10	07/30/10	07/30/10 7:07 AM	1007768-028A	07/28/10	07/30/10	07/30/10 4:42 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 52157 WorkOrder 1007768

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1007768-017B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	85.9	88.3	2.75	82.6	83.1	0.577	70 - 130	30	70 - 130	30
Benzene	ND	10	108	107	0.243	98.5	98	0.495	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	81.2	85.2	4.84	87.3	87.5	0.261	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	106	102	3.77	100	99	1.52	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	96.7	98	1.30	98.1	95.7	2.41	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	95.3	98.6	3.41	90.5	92.6	2.32	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	122	121	0.901	109	111	1.08	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	112	113	0.699	106	106	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	102	105	2.25	99.4	97.1	2.29	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	103	108	4.89	103	105	1.16	70 - 130	30	70 - 130	30
Toluene	ND	10	109	109	0	106	105	0.619	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	105	103	1.98	99.5	96.9	2.63	70 - 130	30	70 - 130	30
%SS1:	121	25	94	93	1.49	98	96	2.17	70 - 130	30	70 - 130	30
%SS2:	106	25	106	104	1.44	107	109	2.23	70 - 130	30	70 - 130	30
%SS3:	101	2.5	98	99	0.931	95	99	3.75	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52157 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-005B	07/28/10	07/31/10	07/31/10 12:16 AM	1007768-011B	07/28/10	07/31/10	07/31/10 1:00 AM
1007768-017B	07/28/10	07/31/10	07/31/10 1:43 AM	1007768-022B	07/28/10	07/31/10	07/31/10 2:24 AM
1007768-028B	07/28/10	07/31/10	07/31/10 3:07 AM	1007768-034A	07/28/10	07/31/10	07/31/10 3:50 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 52162 WorkOrder 1007768

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1007763-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	101	106	4.78	109	112	2.92	70 - 130	20	70 - 130	20
MTBE	ND	0.10	104	102	1.96	99.1	103	4.27	70 - 130	20	70 - 130	20
Benzene	ND	0.10	85.3	83	2.64	96.7	94.4	2.47	70 - 130	20	70 - 130	20
Toluene	ND	0.10	84.7	82.8	2.21	95.7	93.8	1.97	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	85.6	83.4	2.68	95	94.6	0.444	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	84.6	83	1.91	94.1	93.8	0.293	70 - 130	20	70 - 130	20
%SS:	84	0.10	96	92	4.84	83	82	1.80	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 52162 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1007768-002A	07/28/10	07/28/10	07/31/10 1:42 AM	1007768-004A	07/28/10	07/28/10	07/31/10 2:12 AM
1007768-008A	07/28/10	07/28/10	07/31/10 3:42 AM	1007768-009A	07/28/10	07/28/10	07/31/10 4:12 AM
1007768-014A	07/28/10	07/28/10	07/31/10 4:41 AM	1007768-015A	07/28/10	07/28/10	07/31/10 5:11 AM
1007768-020A	07/28/10	07/28/10	07/31/10 5:41 AM	1007768-021A	07/28/10	07/28/10	07/31/10 6:10 AM
1007768-023A	07/28/10	07/28/10	07/31/10 7:09 AM	1007768-025A	07/28/10	07/28/10	07/31/10 6:40 AM
1007768-029A	07/28/10	07/28/10	07/31/10 9:09 AM	1007768-032A	07/28/10	07/28/10	07/31/10 10:39 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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