Chevron Environmental Management Company
6001 Bollinger Canyon Rd, K2236
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-9559
Fax 925-842-8370

Dana Thurman
Project Manager

RO 335

July 12, 2005
(date)

ChevronTexaco

Alameda County
JUL 18 2005
Environmental Health

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station # 9-6607

Address: 2340 Otis Drive, Alameda, California

I have reviewed the attached report titled Subsurface Investigation Report and Closure Request and dated July 12, 2005

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Cambria Environmental Technology, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Dana Thurman
Project Manager

Enclosure: Report

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July 12, 2005

Mr. Barney Chan
Alameda County Environmental Health Services Agency (ACHCSA)
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Subsurface Investigation Report and Closure Request**
Former Chevron Service Station # 9-6607
2340 Otis Drive
Alameda, California
RO#335

Dear Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) submits this investigation report describing activities performed at the site referenced above. The boring and groundwater sampling was conducted in accordance with our April 18, 2005 *Regulatory Response and Investigation Workplan.* Summarized below are the site background, a discussion of subsurface investigation activities and results, and our conclusions and recommendations.

SITE BACKGROUND

The site is located at the western corner of Otis Drive and Park Street in Alameda, California (Figure 1). Chevron operated a service station on-site from the mid-1970s through August 2004. In September 2004, the station was demolished and all underground storage tanks (USTs) and station facilities were removed from the site. Currently the site is vacant, with a plan to redevelop it as a parking lot for a proposed new retail facility on the adjacent parcel. Surrounding site use is mixed commercial and residential. The site is located in the Alameda Bay Plain Basin and the regional lithology consists of miscellaneous Bay Mud or Merritt Sand. Prior to the early 1960s, this portion of Alameda was beneath the San Francisco Bay. The area was artificially filled using locally derived dredge material at that time.

Previous Investigations

February 1991, UST and Product Line Removal, Over-excavation and Replacement: In February 1991, three fiberglass gasoline USTs and one fiberglass used-oil UST were removed from the site. Depth to water was encountered at 6 to 7 feet below grade (fbg). Eight soil samples and two water samples (one from each UST excavation) were collected. The only hydrocarbon concentrations reported in any of the soil samples was 3,200 milligrams per kilogram (mg/kg) total oil and grease

Cambria Environmental Technology, Inc.

4111 Citrus Avenue
Suite 12
Rocklin, CA 95677
Tel (916) 630-1855
Fax (916) 630-1856

(TOG) in sample #7 from the used-oil UST excavation. Total petroleum hydrocarbons as gasoline (TPHg) was reported in the water samples at 48,000 and 3,000 micrograms per liter (µg/L) in the gasoline UST and used-oil UST pits, respectively. Additional soil was subsequently over-excavated and removed from the gasoline UST pit. Confirmation soil samples #1 through #6 were collected after over-excavation to confirm the impacted soil had been removed. No significant concentrations of hydrocarbons were reported in these confirmation samples. Additional soil was also removed from the used-oil UST pit. The excavation was widened by approximately 3 feet to remove impacted soil. Confirmation soil sample #1, collected after additional over-excavation, contained one order of magnitude less TOG than in sample #7. No other hydrocarbons were reported. Product lines were removed and soil samples #2 through #15 were collected from the product line trenches and beneath former dispensers. A maximum concentration of 36 mg/kg benzene was reported beneath the dispenser islands. TPHg was reported at a maximum concentration of 5,700 mg/kg in sample #13. In March 1991, further over-excavation was conducted in the product line trenches and the used-oil UST pit. Over-excavation near the former used-oil UST was limited due to the concern for the structural integrity of the building. After all over-excavation activities were completed, the highest concentration of TPHg remaining in the soil was 150 mg/kg in product trenches, 2.6 mg/kg in the gasoline UST pit, and 150 mg/kg in the used-oil UST pit. A concentration of 16,000 mg/kg TOG remained in the used-oil UST pit, in confirmation sample #10 at 6 fbg.

August 1991, Well Installation: In August 1991, Geraghty & Miller, Inc. installed monitoring wells MW-1 through MW-4 on the site. These monitoring wells were monitored and sampled on a quarterly basis.

September 2004 UST and Dispenser Island Removal and Over-excavation: Three 12,000-gallon gasoline double-walled fiberglass USTs connected to three dispenser islands by underground piping were removed. One 1,000-gallon fiberglass used-oil UST was also removed and no leaks or cracks were observed in any of the tanks. Soil samples and two groundwater samples were collected from the UST pit, dispenser islands, and used-oil UST pit. Confirmation soil samples were collected following over-excavation of the dispenser island area, the used-oil UST area, and the former hydraulic hoist. Hoist #3 indicated elevated concentrations of TOG at 12,000 mg/kg, and the area was further over-excavated. The highest concentration of TPHg in soil was 1,500 mg/kg, in soil sample I1-D2 (Island 1, Dispenser 2), and decreased to 6.4 mg/kg after over-excavation. The highest concentration of TPHg reported after over-excavation was 160 mg/kg in sample I3-D1. Concentrations of TPHg decreased significantly after over-excavation activities were complete. The highest concentration of Total petroleum hydrocarbons as diesel (TPHd) was 3,100 mg/kg from the used-oil UST pit at 5 fbg. After over-excavation, no TPHd was reported above the 1 mg/kg detection limit at 6 fbg. The highest concentration of TPHd reported after over-excavation soil samples was 6.6 mg/kg in a sample collected at 7 fbg, adjacent to the former location of hydraulic hoist #1. The highest concentrations of

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TOG were 25,000 mg/kg in a sample collected from the used-oil UST pit at 5 fbg and 12,000 mg/kg in a sample collected beneath hoist #3. After over-excavation of the used-oil UST pit, at depths of 6 and 7 fbg, soil reported <50 mg/kg of TOG. Samples collected after over-excavation of the area beneath hoist #3 contained TOG at 61 and <50 mg/kg at 11 and 11.5 fbg, respectively. The highest concentrations of benzene, toluene, ethylbenzene, or xylenes (BTEX) were 0.74 mg/kg benzene in dispenser island sample I3-D1, 1.3 mg/kg toluene in the sample collected from the used-oil UST pit, 10 mg/kg ethylbenzene in dispenser island sample I1-D2, and 38 mg/kg xylene, also from dispenser island sample I1-D2. These concentrations were prior to over-excavation. After over-excavation, confirmation soil samples indicated a marked decrease in BTEX concentrations. The highest concentrations of BTEX in confirmation samples were 0.065 mg/kg benzene in dispenser island sample I2-D2, 0.98 mg/kg toluene in dispenser island sample I3-D1, 2.7 mg/kg ethylbenzene and 9.4 mg/kg xylenes, both from dispenser island sample I3-D1. The maximum TPHg and benzene in grab water samples were 14,000 and 160 µg/L, respectively. No methyl tert-butyl ether (MTBE) was reported. The groundwater sample collected after pumping reported 11,000 µg/L TPHg and 87 µg/L benzene.

September 2004 Well Destruction: On September 1, 2004, Cambria destroyed all on-site wells, MW-1 through MW-4 to facilitate station demolition and proposed future land development.

September 2004 Subsurface Investigation: A subsurface investigation was conducted concurrently with well destruction activities on September 1 and 2, 2004. The investigation was conducted to further delineate the lateral and vertical extent of hydrocarbons in soil and groundwater beneath the site. Cambria advanced seven soil borings at locations across the site using Geoprobe® technology. Borings B1, B2, B4 and B5 were advanced to depths of 11 fbg. Boring B7 was advanced to a depth of 15.5 fbg. Borings B3 and B6 were advanced to depths of 20 fbg. Soil samples were collected from all borings at five-foot intervals using a direct push sampler lined with a polyurethane sleeve. Grab-groundwater samples were also collected from each boring at depths of 8 and 11 fbg. Groundwater samples were collected from 8 fbg and 11 fbg. No TPHg or BTEX was reported in any of the soil samples collected from borings B1, B2, B3, B4, B6 or B7. TPHg was reported at concentrations of 13 and 11 mg/kg at 5 and 10 fbg, respectively, in boring B5 only. The only benzene reported was also from boring B5, at a concentration of 0.0008 mg/kg at 10 fbg. Concentrations of methyl tert-butyl ether (MTBE) were reported in most of the soil samples collected, with the highest concentration of 0.24 mg/kg occurring in sample B6 at 20 fbg. MTBE was not reported in shallow (5 fbg) samples collected from borings B1, B4, B5, B6 and B7. TPHg or BTEX were not reported in grab-groundwater samples collected from up-gradient borings B1 and B4. The highest concentration of TPHg reported was 1,700 µg/L from boring B2 at 8 fbg. Benzene in groundwater was reported in only two samples, with the highest concentration of 160 µg/L from boring B2 at 8 fbg. Concentrations of MTBE ranged from non-detect to 680 µg/L in a grab-groundwater sample from boring B2 at 8 fbg.

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TPHd in groundwater was reported at 8,200 µg/L from the used-oil UST pit. Analytic results for nearly all water samples were noted as containing greater than 1 % volume sediment, suggesting sample results may be skewed due to hydrocarbons sorbed to sediment particles. Additionally, residual hydrocarbons were removed from the subsurface by over-excavation of approximately 600 cubic yards of soil during facility demolition.

Groundwater Depth and Flow Direction: Measured depth to groundwater typically occurred from approximately 2.5 to 5.5 fbg at this site and fluctuated about 2 feet annually. Because of the proximity of the San Francisco Bay and highly permeable fill soils, a tidal influence is possible in groundwater beneath the site. Groundwater generally flows towards the south to southwest at an approximate gradient of 0.003.

INVESTIGATION RESULTS

Cambria completed a subsurface investigation to evaluate residual benzene concentrations in the vicinity of former samples #5 and #6 (1991 product line over-excavation; Attachment D) and to evaluate the lateral extent of TPHd in groundwater in the vicinity of the former used-oil UST excavation. To meet this objective, Cambria advanced four soil borings (Figure 2).

Analytical results of the soil and grab-groundwater samples are summarized in Table 1and Table 2, respectively. The soil boring permit and boring logs are presented as Attachment A. The analytical report of soil and water samples is presented as Attachment B.

Soil Borings

Permit: Alameda County permit #W2005-0610.

Drilling Date: June 16, 2005.

Drilling Company: Vironex Environmental Field Services of San Leandro, CA (C-57 #705927).

Sampling Personnel: Senior Staff Geologists Daniel Glaze and Nina Knirel conducted all fieldwork under the supervision of California Professional Geologist David W. Herzog P.G.#7211.

Number of Borings: Four borings, completed as GP-1, GP-2, GP-3 and GP-4 (Figure 2).

Drilling: The first 8 feet of each boring were cleared using a hand auger to ensure no subsurface utilities would be encountered. Below 8 feet, GP-1 and GP-2 were advanced to approximately 10 fbg using a hand auger. GP-3 and GP-4 were advanced to approximately 14 fbg using hydraulic push technology.

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Soil Sampling: Soil samples were collected at 6, 8, and 10 fbg from borings GP-1 and GP-2 using a hand auger. Cambria's standard field procedure is included in Attachment C.

Soil Screening: Soil samples were screened for hydrocarbons using a photo-ionization detector (PID).

Grab-Groundwater Samples: Grab-groundwater samples were collected below 10 fbg in GP-3 and GP-4 using hydropunch technology.

Encountered Lithology and Groundwater: Native lithology encountered consisted of sand overlaying some silty clay to approximately 10 fbg, the maximum logged depth during this investigation. Groundwater was encountered at approximately 5 fbg in all borings.

Lab Analyses: Table 1 lists the soil sample results. The soil samples were analyzed for:

- BTEX and MTBE by EPA Method 8260B, and
- Total organic carbon (TOC) by modified EPA Method 5310B.

Table 2 lists the grab-groundwater sample results. All grab-groundwater samples were analyzed for:

- TPHd by modified EPA Method 8015.

Soil Disposal: Soil cuttings were stored on-site. The cuttings were removed by Integrated Waste Management and transported to Republic Services Vasco Road Landfill in Livermore, California.

BENZENE EXTENT IN SOIL

No benzene was reported in soil from GP-2 (Table 1). Maximum benzene, toluene, ethylbenzene, and xylenes concentrations are reported at 0.19, 1.1, 3, and 16 mg/kg, respectively in GP-1 at 8 fbg. Benzene decreases in GP-1 to below the laboratory detection limit at 10 fbg. These results indicate the benzene concentrations of concern (Samples #5 and #6 from the 1991 product line over-excavation) appear to be naturally attenuating. Laboratory analytical data for soil is summarized in Table 1.

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LATERAL EXTENT OF TPHd IN GROUNDWATER

TPHd concentrations were reported at 1,000 and 2,100 µg/L from GP-3 and GP-4, respectively. These concentrations are less than the TPHd concentration (8,200 µg/L) reported from the used-oil UST pit in 2004, suggesting a naturally attenuating TPHd plume in groundwater in the vicinity of the former used-oil UST. Laboratory analytical data for groundwater is summarized in Table 2.

RISK BASED ASSESSMENT

To complete a Tier 1 risk assessment, soil and grab-groundwater results are compared to the San Francisco Bay Regional Water Quality Control Board's environmental screening levels (ESL). The table below depicts this comparison for constituents of concern: maximum benzene in soil and TPHd in groundwater from each boring for shallow soil where groundwater is not a potential source of drinking water[1].

Sample ID	Benzene (mg/kg)	Benzene Commercial Land Use ESL (mg/kg)	TPHd (µg/L)	TPH (middle distillates) ESL (µg/L)
GP-1	0.19	0.38	--	--
GP-3	--	--	1,000	640
GP-4	--	--	2,100	640

The maximum benzene concentration reported in soil does not exceed the commercial land use ESL; therefore, benzene does not appear to pose a significant risk to human health or future commercial site use.

Although grab-groundwater TPHd concentrations exceed the groundwater ESL, concentrations have significantly declined in one year since the removal of the used-oil source during the over-excavation activities in 2004. Although TPHd is reported in groundwater, these are grab samples and the concentrations may be elevated to some extent compared to static groundwater conditions. Also, because TPHd has a low mobility it is likely the dissolved mass is limited in extent and do not pose a significant risk to nearby San Francisco Bay or any other nearby receptor.

[1] SF Bay Regional Water Quality Control Board's ***Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater***, Volume 1, Summary Tier 1 Lookup Tables, Table B, Interim Final February 2005.

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CLOSING

The sources of hydrocarbon impact have been removed during facility demolition and over-excavation and future site use is planned commercial (Safeway parking lot). Historical groundwater monitoring at the site indicated decreasing trends of hydrocarbons in former on-site monitoring wells. Based on the results of this investigation, benzene does not appear to pose a significant risk to future site use. TPHd impact, although exceeding the ESL concentration, is likely limited in extent and appears to be naturally attenuating following the removal of the source area. Therefore, Cambria recommends this case be closed and no further action issued by the ACEHSA for the subject site.

We appreciate this opportunity to work with you on this project. Please contact Sara Giorgi at (916) 630-1855 ext. 103 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Sara Giorgi
Senior Staff Scientist

David W. Herzog, P.G.#7211
Senior Project Geologist

PROFESSIONAL GEOLOGIST
DAVID W. HERZOG
No. 7211
STATE OF CALIFORNIA

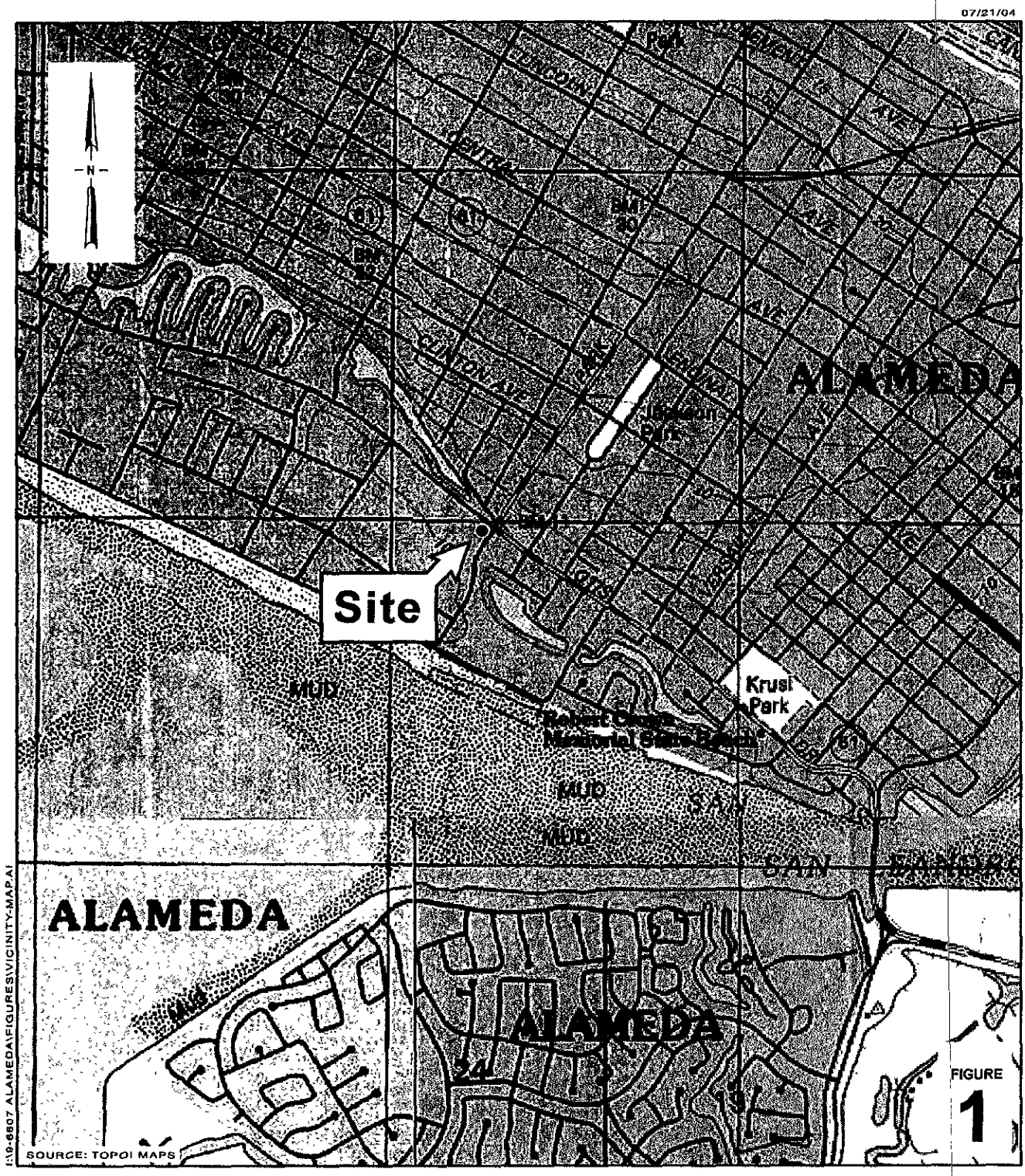
Figures: 1 - Vicinity Map
2 – Soil Boring Locations

Tables: 1 - Soil Sample Analytical Results
2 – Grab-Groundwater Analytical Results

Attachments: A – Soil Boring Permits and Boring Logs
B – Laboratory Analytical Reports for Soil and Grab-Groundwater Samples
C – Standard Procedures for Geoprobe® and Hand Auger Sampling
D – Historical Soil Results

cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box 6012, K2236 San Ramon, CA 94583-0804
Mr. Charles Almestad, Kleinfelder, 1970 Broadway, Suite 710, Oakland, CA 94612
Mr. Michael P. Corbitt, Harsch Investment Properties, 523 South Shore Center West, Alameda, CA 94501
Cambria File Copy

07/21/04



I:\9-6607 ALAMEDA\FIGURES\VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chevron Service Station 9-6607

2340 Otis Drive

Alameda, California

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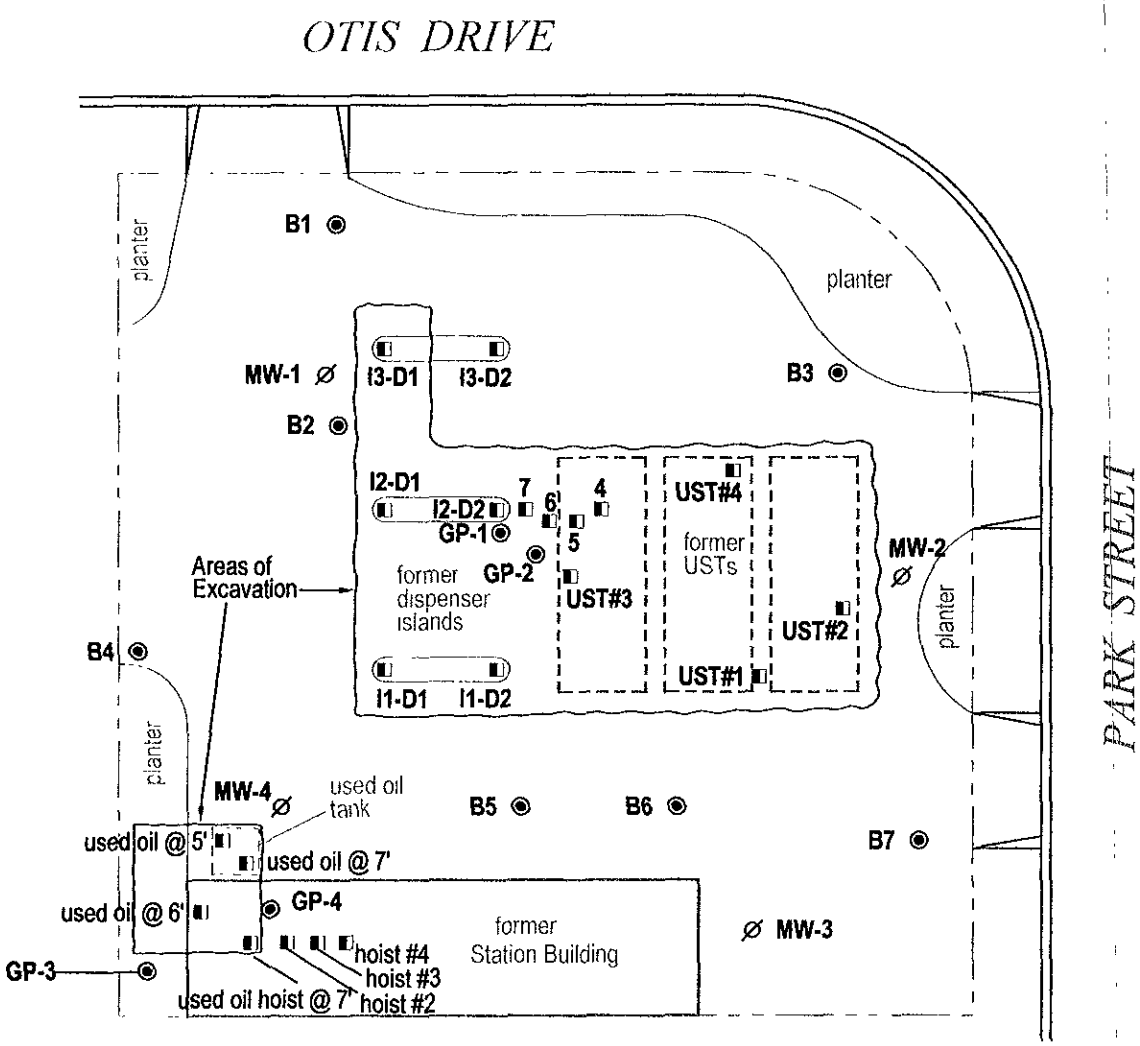
Vicinity Map

06/20/05



EXPLANATION

MW-1	⌀	Destroyed monitoring well location
B4	◉	Soil boring location
I1-D1	▮	Soil sample location

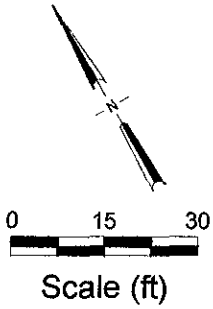


FIGURE
2

Former Chevron Service Station 9-6607

2340 Otis Drive

Alameda, California

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Soil Boring Locations

R:\9-6607\FIGURES\2005\1Q05\PROP- BOR.DWG

Table 1

Soil Sample Analytical Results

Former Chevron Station 9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Sample Depth (fbg)	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TOC
			milligrams per kilogram mg/kg = parts per million					
GP-1	6	6/16/2005	**0.001**	<0.001	**0.013**	**0.07**	**0.001**	**784**
	8	6/16/2005	**0.19**	**1.1**	**3**	**16**	**0.005**	**1,050**
	10	6/16/2005	<0.063	**0.25**	**0.59**	**3.4**	<0.063	**992**
GP-2	6	6/16/2005	<0.0005	<0.001	<0.001	**0.005**	<0.0005	**1,110**
	8	6/16/2005	<0.063	<0.13	**5.8**	**27**	<0.063	**2,890**
	10	6/16/2005	<0.0005	**0.001**	**0.032**	**0.32**	<0.0005	**3,600**

Abbreviations/Notes:

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
Methyl tert-butyl ether (MTBE) by EPA Method 8260B
Total Organic Carbon (TOC) Solids by EPA Method SM20 5310B modified
<x = Not detected above method detection limit

Table 2

Grab-Groundwater Analytical Results

Former Chevron Station 9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Sample Date	TPHd (µg/L)
GP-3	6/16/2005	**1,000**
GP-4	6/16/2005	**2,100**

Abbreviations/Notes:

Total petroleum hydrocarbons as diesel (TPHd) by CALUFT-DRO/EPA Method 8015B Modified

<x = Not detected above method detection limit

µg/L = micrograms per liter

ATTACHMENT A
Soil Boring Permits and Boring Logs

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/27/2005 By jamesy
Permits Issued: W2005-0610 **Permits Valid from 06/16/2005 to 06/17/2005**

Application Id: 1117218926471 **City of Project Site:** Alameda
Site Location: 2340 Otis Drive
Project Start Date: 06/16/2005 **Completion Date:** 06/17/2005

Applicant: Cambria Environmental - Dan Glaze **Phone:** 510-376-0657
5900 Hollis Street, Site A, Emeryville, CA 94608
Property Owner: Chevron Products Chevron Products **Phone:** --
6001 Bollinger Canyon Rd, San Ramon, CA 94583
Client: ** same as Property Owner **

Total Due: $200.00
Total Amount Paid: $200.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 4 Boreholes
Driller: Vironex - Lic #: 705927 - Method: other **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-0610	05/27/2005	09/14/2005	4	2.00 in.	10.00 ft

Specific Work Permit Conditions

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Applicant shall contact George Bolton for a inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583
Telephone: (925) 275-3200
Fax: (925) 275-3204

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	GP1
JOB/SITE NAME	9-6607 Alameda	**DRILLING STARTED**	16-Jun-05
LOCATION	2340 Otis Dr., Alameda	**DRILLING COMPLETED**	16-Jun-05
PROJECT NUMBER	61H-1970	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	D. Glaze	**DEPTH TO WATER (First Encountered)**	5.0 ft (16-Jun-05) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	5.0 ft ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							GRAVEL: Gray; dry; angular fill 1-1.25" in diameter.		Portland I/II
				5			@5' gravel is wet. ▼	6.0	
595		GP1 @ 6'					**SAND:** Brownish gray; saturated; loose; 100% sand; high estimated permeability.		
495		GP1 @ 8'							
117		GP1 @ 10'		10				10.0	Bottom of Boring @ 10 ft

WELL LOG (PID) R 19-6607-11200SIN~19-6607 LOGS GP1-4.GPJ DEFAULT.GDT 7/11/05

Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583
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BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	GP2
JOB/SITE NAME	9-6607 Alameda	**DRILLING STARTED**	16-Jun-05
LOCATION	2340 Otis Dr., Alameda	**DRILLING COMPLETED**	16-Jun-05
PROJECT NUMBER	61H-1970	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	D. Glaze	**DEPTH TO WATER (First Encountered)**	5.0 ft (16-Jun-05) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	5.0 ft ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							GRAVEL: Gray; dry, angular fill 1-1.25" in diameter.		Portland I/II
				5			@5' gravel is wet. ▼	6.0	
23.7		GP2 @ 6'					**SAND:** Brownish gray; saturated; loose; 100% sand; high estimated permeability.		
123		GP2@ 8'							
87.2		GP2@ 10'		10				10.0	Bottom of Boring @ 10 ft

WELL LOG (PID) R:\9-6607-12005\N-119-6607 LOGS GP1-4.GPJ DEFAULT.GDT 7/11/05

Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583
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Fax: (925) 275-3204

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	GP3
JOB/SITE NAME	9-6607 Alameda	**DRILLING STARTED**	16-Jun-05
LOCATION	2340 Otis Dr., Alameda	**DRILLING COMPLETED**	16-Jun-05
PROJECT NUMBER	61H-1970	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	D. Glaze	**DEPTH TO WATER (First Encountered)**	5.0 ft (16-Jun-05)
REVIEWED BY		**DEPTH TO WATER (Static)**	5.0 ft
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				0			**SAND:** Brownish gray; dry; medium stiff; 90% sand, 10% silt; high estimated permeability.		
				5	SP		Sand is saturated @ 5'.		Portland I/II
		GP3 @ 10'		10				10.0	Bottom of Boring @ 14 ft

WELL LOG (PID) R:\9-6607-\12005\N-119-6607 LOGS GP1-4.GPJ DEFAULT GDT 7/11/05

Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583
Telephone: (925) 275-3200
Fax: (925) 275-3204

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	GP4
JOB/SITE NAME	9-6607 Alameda	**DRILLING STARTED**	16-Jun-05
LOCATION	2340 Otis Dr., Alameda	**DRILLING COMPLETED**	16-Jun-05
PROJECT NUMBER	61H-1970	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vironex	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	D. Glaze	**DEPTH TO WATER (First Encountered)**	5.0 ft (16-Jun-05) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	5.0 ft ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							SAND: Brown; dry; medium stiff; 90% sand, 10% silt; high estimated permeability.		
				5			▼	5.0	
							Silty CLAY: Brownish gray; saturated; soft; 80% clay, 20% silt; medium plasticity; low estimated permeability.		Portland I/II
		GP4 @ 10'		10				10.0	
									Bottom of Boring @ 14 ft

WELL LOG (PID) R:\9-6607-112005\N-119-6607 LOGS GP1-4.GPJ DEFAULT.GDT 7/11/05

ATTACHMENT B

Laboratory Analytic Reports for Soil and Grab-Groundwater Samples

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677
916-630-1855

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 947948. Samples arrived at the laboratory on Saturday, June 18, 2005. The PO# for this group is 99011184 and the release number is MTI.

Client Description			Lancaster Labs Number
GP-1-S-6-050616	Grab	Soil	4546250
GP-1-S-8-050616	Grab	Soil	4546251
GP-1-S-10-050616	Grab	Soil	4546252
GP-2-S-6-050616	Grab	Soil	4546253
GP-2-S-8-050616	Grab	Soil	4546254
GP-2-S-10-050616	Grab	Soil	4546255
GP-3-W-10-050616	Grab	Water	4546256
GP-4-W-10-050616	Grab	Water	4546257

1 COPY TO	Cambria Environmental	Attn: Jami Shaffer
ELECTRONIC COPY TO	Cambria Environmental	Attn: Dan Glaze
ELECTRONIC COPY TO	Cambria	Attn: Sara Giorgi

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Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle
Senior Chemist 10/23

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 4546250

GP-1-S-6-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-1
Collected:06/16/2005 13:50 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP1-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	784.	82.2	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.001	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	0.001	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	0.013	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	0.070	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 15:40	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/21/2005 18:19	Anita M Dale	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/21/2005 15:03	Anita M Dale	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4546251

GP-1-S-8-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-1
Collected:06/16/2005 14:00 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP1-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	1,050.	239.	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	0.005	0.003	mg/kg	5
05460	Benzene	71-43-2	0.19	0.003	mg/kg	5
05466	Toluene	108-88-3	1.1	0.005	mg/kg	5
05474	Ethylbenzene	100-41-4	3.0	0.13	mg/kg	125.31
06301	Xylene (Total)	1330-20-7	16.	0.13	mg/kg	125.31

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 15:48	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/21/2005 19:12	Anita M Dale	5
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/22/2005 10:10	Stephanie A Selis	125.31
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/21/2005 15:04	Anita M Dale	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	06/22/2005 06:48	Stephanie A Selis	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4546252

GP-1-S-10-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-1
Collected:06/16/2005 14:10 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	992.	91.2	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.063	mg/kg	125
05460	Benzene	71-43-2	N.D.	0.063	mg/kg	125
05466	Toluene	108-88-3	0.25	0.13	mg/kg	125
05474	Ethylbenzene	100-41-4	0.59	0.13	mg/kg	125
06301	Xylene (Total)	1330-20-7	3.4	0.13	mg/kg	125

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 19:41	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/22/2005 10:56	Stephanie A Selis	125
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/22/2005 07:47	Stephanie A Selis	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4546253

GP-2-S-6-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-2
Collected:06/16/2005 15:20 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP2-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	1,110.	87.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.005	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 19:49	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/21/2005 18:46	Anita M Dale	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/21/2005 15:06	Anita M Dale	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4546254

GP-2-S-8-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-2
Collected:06/16/2005 15:30 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP2-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	2,890.	1,010.	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.063	mg/kg	125.63
05460	Benzene	71-43-2	N.D.	0.063	mg/kg	125.63
05466	Toluene	108-88-3	N.D.	0.13	mg/kg	125.63
05474	Ethylbenzene	100-41-4	5.8	0.13	mg/kg	125.63
06301	Xylene (Total)	1330-20-7	27.	0.13	mg/kg	125.63

The GC/MS volatile analysis was performed according to the high level soil method due to the level of target compounds. Therefore, the reporting limits were raised.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 16:17	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/22/2005 11:19	Stephanie A Selis	125.63
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/22/2005 07:49	Stephanie A Selis	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4546255

GP-2-S-10-050616 Grab Soil
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-2
Collected:06/16/2005 15:40 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
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Suite 12
Rocklin CA 95677

GP210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02079	TOC Solids/Sludges Combustion	n.a.	3,600.	95.4	mg/kg	1
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.001	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.032	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.32	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02079	TOC Solids/Sludges Combustion	SM20 5310B, modified	1	06/28/2005 19:57	Kyle W Eckenroad	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	06/23/2005 22:33	Anita M Dale	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	06/23/2005 18:42	Anita M Dale	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4546256

GP-3-W-10-050616 Grab Water
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-3
Collected:06/16/2005 10:50 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02202	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	1,000.	120.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02202	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	06/22/2005 20:10	Tracy A Cole	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/20/2005 18:00	Elia R Botrous	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4546257

GP-4-W-10-050616 Grab Water
Facility# 96607 CETR
2340 Otis Dr-Alameda T0600100316 GP-4
Collected:06/16/2005 10:50 by DG

Account Number: 10880

Submitted: 06/18/2005 09:50
Reported: 07/02/2005 at 00:06
Discard: 08/02/2005

ChevronTexaco C/O Cambria
4111 Citrus Avenue
Suite 12
Rocklin CA 95677

GP410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02202	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	2,100.	120.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02202	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	06/22/2005 20:35	Tracy A Cole	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/20/2005 18:00	Elia R Botrous	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria
Reported: 07/02/05 at 12:06 AM

Group Number: 947948

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 051710005A	Sample number(s): 4546256-4546257							
TPH-DRO CALUFT(Water) w/Si Gel	N.D.	29.	ug/l	90	91	64-125	1	20
Batch number: 05175150531B	Sample number(s): 4546250-4546255							
TOC Solids/Sludges Combustion	N.D.	60.0	mg/kg	75		56-144		
Batch number: B051721AA	Sample number(s): 4546250-4546251,4546253							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	97		75-125		
Benzene	N.D.	0.5	ug/kg	97		77-119		
Toluene	N.D.	1.	ug/kg	87		81-116		
Ethylbenzene	N.D.	1.	ug/kg	82		82-115		
Xylene (Total)	N.D.	1.	ug/kg	86		82-117		
Batch number: B051741AB	Sample number(s): 4546255							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	86		75-125		
Benzene	N.D.	0.5	ug/kg	93		77-119		
Toluene	N.D.	1.	ug/kg	94		81-116		
Ethylbenzene	N.D.	1.	ug/kg	88		82-115		
Xylene (Total)	N.D.	1.	ug/kg	91		82-117		
Batch number: Q051681AB	Sample number(s): 4546251-4546252,4546254							
Methyl Tertiary Butyl Ether	N.D.	63.	ug/kg	98		75-125		
Benzene	N.D.	63.	ug/kg	98		77-119		
Toluene	N.D.	130.	ug/kg	99		81-116		
Ethylbenzene	N.D.	130.	ug/kg	99		82-115		
Xylene (Total)	N.D.	130.	ug/kg	100		82-117		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 05175150531B	Sample number(s): 4546250-4546255								
TOC Solids/Sludges Combustion	83		71-136			13,700.	12,700.	8 (1)	14
Batch number: B051721AA	Sample number(s): 4546250-4546251,4546253								
Methyl Tertiary Butyl Ether	91	94	49-140	4	30				
Benzene	99	99	67-123	0	30				
Toluene	90	89	55-125	1	30				
Ethylbenzene	82	83	50-127	0	30				
Xylene (Total)	86	87	54-123	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 947948
Reported: 07/02/05 at 12:06 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B051741AB	Sample number(s): 4546255								
Methyl Tertiary Butyl Ether	84	80	49-140	6	30				
Benzene	92	86	67-123	8	30				
Toluene	92	86	55-125	9	30				
Ethylbenzene	87	80	50-127	9	30				
Xylene (Total)	87	80	54-123	10	30				
Batch number: Q051681AB	Sample number(s): 4546251-4546252,4546254								
Methyl Tertiary Butyl Ether	94	96	49-140	1	30				
Benzene	95	96	67-123	1	30				
Toluene	96	96	55-125	0	30				
Ethylbenzene	87	89	50-127	1	30				
Xylene (Total)	92	92	54-123	0	30				

Surrogate Quality Control

Analysis Name: TPH-DRO CALUFT(Water) w/Si Gel
Batch number: 051710005A

	Orthoterphenyl
4546256	73
4546257	80
Blank	96
LCS	110
LCSD	111
Limits:	64-125

Analysis Name: BTEX+MTBE by 8260B
Batch number: B051721AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4546250	86	87	82	82
4546251	83	82	88	90
4546253	86	84	85	80
Blank	91	89	80	74
LCS	88	89	84	83
MS	89	84	86	80
MSD	88	87	85	83
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: B051741AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4546255	83	78	91	86
Blank	89	82	88	71
LCS	89	83	91	81
MS	89	85	90	80
MSD	89	85	90	78

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 947948
Reported: 07/02/05 at 12:06 AM

Surrogate Quality Control

Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: Q051681AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4546252	94	93	89	90
4546254	96	95	91	93
Blank	101	101	95	94
LCS	107	108	107	117
MS	94	94	93	94
MSD	95	96	95	95
Limits:	70-129	70-121	70-130	70-128

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

061705-04

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 454626-57 SCR#: grp 947948

Facility #: 9-6607 - MT
Site Address: 2340 Otis Dr. Alameda CA
Chevron PM: Mark Inglis Lead Consultant: Cambria - MT
Consultant/Office: Cambria / Rocklin
Consultant Prj. Mgr.: Bruce Eppler
Consultant Phone #: 916-630-1855 x102 Fax #: 916-630-1856
Sampler: Dan G.
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
~~S = H_2SO_4~~ ~~O = Other~~

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	Total Organic Carbon SM 5310B
GP-1-S-6	Soil	No	6	05 06 16	1:50	Yes	X		1	X						X
GP-1-S-8			8		2:00											
GP-1-S-10			10		2:10											
GP-2-S-6			6		3:20											
GP-2-S-8			8		3:30											
GP-2-S-10			10		3:40											
GP-3@10'	Water		10		10:50				2			X				
GP-4@10'			10		10:50				2			X				
		*														

Comments / Remarks
email results to
dglaze@cambria-env.com
sgiorgi@cambria-env.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I – Full | Type VI (Raw Data) | ☐ Coelt Deliverable not needed | WIP (RWQCB) | Disk

	Date	Time		Date	Time
Relinquished by:	6/17	1030	Received by:	6/17/05	1030
Relinquished by:	6/17/05	1530	Received by: Fed Ex	6/17/05	
Relinquished by:	~~Date~~	~~Time~~	~~Received by:~~	Date	Time
~~Relinquished by Commercial Carrier:~~ UPS (FedEx) Other			Received by:	6/18/05	0950

Temperature Upon Receipt 4.5° C°
Custody Seals Intact? (Yes) No

3460 Rev. 10/04/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	*International Units*	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	*kilogram(s)*
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For *aqueous liquids, ppm* is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under *this heading have been adjusted for moisture content.* This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected *in the blank*
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	*Estimated due to interference*
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for *calculation*
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ATTACHMENT C
Standard Procedures
For Geoprobe® and Hand Auger Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR SOIL BORINGS AND GROUTING

This document describes Cambria Environmental Technology's standard field methods for drilling and sampling soil borings. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- X Principal and secondary grain size category (i.e. sand, silt, clay or gravel)
- X Approximate percentage of each grain size category,
- X Color,
- X Approximate water or product saturation percentage,
- X Observed odor and/or discoloration,
- X Other significant observations (i.e. cementation, presence of marker horizons, mineralogy), and
- X Estimated permeability.

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or hydraulic push technologies. At least one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments beyond the bottom of the borehole. The vertical location of each soil sample is determined by measuring the distance from the middle of the soil sample tube to the end of the drive rod used to advance the split barrel sampler. All sample depths use the ground surface immediately adjacent to the boring as a datum. The horizontal location of each boring is measured in the field from an onsite permanent reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable photoionization detector (PID) measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. PID measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch type sampler or are collected from the open borehole using bailers. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are collected usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory QA/QC blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55 gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

CAMBRIA

STANDARD FIELD PROCEDURES FOR HAND-AUGER SOIL BORINGS

This document describes Cambria Environmental Technology's standard field methods for drilling and sampling soil borings using a hand-auger. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e. sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or product saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e. cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Boring and Sampling

Hand-auger borings are typically drilled using a hand-held bucket auger to remove soil to the desired sampling depth. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments beyond the bottom of the augered hole. The vertical location of each soil sample is determined using a tape measure. All sample depths use the ground surface immediately adjacent to the boring as a datum. The horizontal location of each boring is measured in the field from an onsite permanent reference using a measuring wheel or tape measure.

Augering and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable photoionization detector (PID) measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. PID measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grouting

The borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

7/12/05

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ATTACHMENT D
Historical Soil Results

Table 1

Historical Soil Results

Former Chevron Station #9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Depth (fbg)	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TOG
			(concentrations reported in mg/kg)							
		ESL	**500**	**400**	**0.38**	**9.3**	**32**	**11**	**5.6**	**1,000**
Gasoline UST										
AF	6	2/14/1991	-	ND	**0.021**	ND	ND	0.02	-	-
AoP	6	2/14/1991	-	ND	**0.19**	**0.012**	ND	0.013	-	-
BF	6	2/14/1991	-	**9**	**0.94**	**0.18**	**0.8**	**0.52**	-	-
BoP	6	2/14/1991	-	**5.3**	**0.45**	**0.075**	**0.07**	**0.075**	-	-
CF	6	2/14/1991	-	**42**	**0.29**	**0.4**		**2.3**	-	-
CoP	6	2/14/1991	-	**7**	**0.009**	**0.01**	**0.021**	**0.06**	-	-
New Installation UST										
#1	16	2/15/1991	-	ND	ND	ND	ND	ND	-	-
#2	16	2/15/1991	-	**2.6**	**0.08**	**0.013**	**0.02**	**0.074**	-	-
#3	16	2/15/1991	-	ND	ND	ND	ND	ND	-	-
#4	16	2/15/1991	-	ND	ND	ND	ND	ND	-	-
#5	16	2/15/1991	-	ND	ND	ND	ND	ND	-	-
#6	16	2/15/1991	-	ND	ND	ND	ND	ND	-	-
Used-oil UST										
~~#7*~~	~~6~~	~~2/14/1991~~	~~ND~~	~~ND~~	~~0.0073~~	~~0.04~~	~~0.013~~	~~0.061~~	-	~~3200~~
#8	6	2/14/1991	ND	ND	**0.0072**	**0.012**	ND	**0.012**	-	ND
~~#1*~~	~~6.25~~	~~2/22/1991~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	-	~~260~~
#1	5.5	2/26/1991	ND	ND	ND	ND	ND	ND	-	ND
#10	6	3/7/1991	-	**150**	**0.2**	**1.9**	**1.6**	**5.7**	-	**16,000**
#11	6	3/7/1991	-	ND	ND	ND	ND	ND	-	ND
Product Line Replacement										
#2	2.5	2/28/1991	-	**1.2**	**0.041**	**0.016**	**0.025**	**0.038**	-	ND
#3	3	2/28/1991	-	ND	ND	ND	ND	ND	-	ND
#4	2.5	2/28/1991	-	ND	ND	**0.008**	ND	ND	-	ND
~~#5*~~	~~1.5~~	~~2/28/1991~~	-	~~310~~	~~1.7~~	~~1.9~~	~~5~~	~~13~~	-	~~180~~
~~#6*~~	~~2~~	~~2/28/1991~~	-	~~53~~	~~0.11~~	~~0.14~~	~~0.67~~	~~3~~	-	~~640~~
#7	2	2/28/1991	-	ND	ND	**0.006**	ND	ND	-	ND
~~#8*~~	~~2.5~~	~~2/28/1991~~	-	~~690~~	~~0.9~~	~~8.3~~	~~6.6~~	~~62~~	-	~~220~~
~~#9*~~	~~3~~	~~2/28/1991~~	-	~~4700~~	~~13~~	~~27~~	~~65~~	~~320~~	-	~~ND~~
~~#10*~~	~~2.5~~	~~2/28/1991~~	-	~~2100~~	~~23~~	~~190~~	~~870~~	~~430~~	-	~~160~~
~~#11*~~	~~2.5~~	~~2/28/1991~~	-	~~5200~~	~~27~~	~~270~~	~~150~~	~~920~~	-	~~ND~~
~~#12*~~	~~3~~	~~2/28/1991~~	-	~~240~~	~~0.76~~	~~7.2~~	~~4.4~~	~~21~~	-	~~ND~~
~~#13*~~	~~2.5~~	~~2/28/1991~~	-	~~5700~~	~~36~~	~~190~~	~~91~~	~~430~~	-	~~ND~~
#14	2.5	2/28/1991	-	ND	ND	ND	ND	ND	-	ND
~~#15*~~	~~2.5~~	~~2/28/1991~~	-	~~660~~	~~2.7~~	~~20~~	~~12~~	~~73~~	-	~~80~~
*Product Line Over-excavation										
#1	9	3/7/1991	-	**23**	**0.16**	**1.1**	**0.48**	**2.5**	-	-
#2	7.5	3/7/1991	-	ND	**0.024**	**0.02**	**0.012**	**0.051**	-	-
#3	4	3/7/1991	-	**150**	ND	**2.2**	**1.9**	**17**	-	-
#4	4	3/7/1991	-	**9**	**0.068**	ND	ND	**0.83**	-	-
#5	7	3/7/1991	-	**150**	**1.3**	**2.5**	**2.1**	**7.7**	-	-
#6	7	3/7/1991	-	**9.4**	**2.4**	**0.75**	**0.55**	**0.7**	-	-
#7	7	3/7/1991	-	**5.7**	**1.7**	**0.18**	**0.22**	**1.1**	-	-
#8	6	3/7/1991	-	ND	ND	ND	ND	ND	-	-
#9	7	3/7/1991	-	**1.8**	**0.63**	**0.03**	**0.085**	**0.13**	-	-
Well Borings										
MW-1	3	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-1	5	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-

Table 1

Historical Soil Results

Former Chevron Station #9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Depth (fbg)	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TOG
					(concentrations reported in mg/kg)					
MW-2	2	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-2	5	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-3	3	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-3	5	8/6/1991	-	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-4	3	8/7/1991	<10	<1	<0.005	<0.005	<0.005	<0.005	-	-
MW-4	5	8/7/1991	<10	<1	<0.005	<0.005	<0.005	<0.005	-	-
Borings										
B1-S-5	5	9/2/2004	-	<1 0	<0.0005	<0.001	<0.001	<0.001	<0.0005	-
B1-S-10	10	9/2/2004	-	<1.0	<0.005	<0.001	<0.001	<0.001	**0.057**	-
B2-S-5	5	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.015**	-
B2-S-10	10	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.026**	-
B3-S-5	5	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.002**	-
B3-S-10	10	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.003**	-
B3-S-16	16	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.029**	-
B3-S-20	20	9/2/2004	-	<1.0	<0.0005	<0 001	<0 001	<0.001	**0.024**	-
B4-S-5	5	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	-
B4-S-10	10	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.001**	-
B5-S-5	5	9/1/2004	-	**13**	<0.0005	<0.001	<0 001	<0.001	<0.0005	-
B5-S-10	10	9/1/2004	-	**11**	**0.0008**	<0 001	<0.001	<0.001	**0.005**	-
B6-S-5	5	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	-
B6-S-10	10	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.002**	-
B6-S-16	16	9/2/2004	-	<1.0	<0.0005	<0.001	<0 001	<0.001	**0.14**	-
B6-S-20	20	9/2/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.24**	-
B7-S-5	5	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	-
B7-S-10	10	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.014**	-
B7-S-15.5	15.5	9/1/2004	-	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.052**	-
Site Demolition										
UST#1	9	9/9/2004	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	-
UST#2	9	9/9/2004	-	<1.0	<0.005	<0.005	<0.005	<0.005	**0.011**	-
UST#3	9	9/9/2004	-	**17**	**0.02**	**0.065**	**0.35**	**1**	<0.01	-
UST#4	9	9/9/2004	-	<1.0	<0.005	<0.005	<0.005	**0.003**	**0.008**	-
~~I1-D1~~	~~4~~	~~9/9/2004~~	-	~~290~~	~~<0.01~~	~~<0.01~~	~~0.026~~	~~0.036~~	~~<0.01~~	-
~~I1-D2~~	~~4~~	~~9/9/2004~~	-	~~1,500~~	~~<0.5~~	~~0 64~~	~~10~~	~~38~~	~~<0.5~~	-
~~I2-D1~~	~~4~~	~~9/9/2004~~	-	~~19~~	~~0.2~~	~~0.08~~	~~0.6~~	~~1 9~~	~~<0.05~~	-
~~I2-D2~~	~~4~~	~~9/9/2004~~	-	~~190~~	~~<0.1~~	~~<0.1~~	~~0.11~~	~~0.53~~	~~<0.1~~	-
~~I3-D1~~	~~4~~	~~9/9/2004~~	-	~~37~~	~~0.74~~	~~<0.05~~	~~2.3~~	~~0.74~~	~~<0.05~~	-
I3-D2	4	9/9/2004	-	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	-
~~used oil @ 5~~	~~5~~	~~9/9/2004~~	~~3,100~~	~~420~~	~~<1.0~~	~~1.3~~	~~4 5~~	~~19~~	~~<1.0~~	~~25,000~~
used oil @ 7	7	9/9/2004	**110**	**2.5**	<0.005	<0.005	<0.005	<0.005	<0.005	**880**
I1-D1 @ 6	6	9/15/2004	-	**4.4**	<0.005	**0.005**	**0.049**	**0.1**	**0.0097**	-
I1-D2 @ 6	6	9/15/2004	-	**6.4**	**0.014**	**0.14**	**0.067**	**0.37**	<0.005	-
I2-D1 @ 6	6	9/15/2004	-	<1.0	**0.013**	<0.005	**0.01**	**0.018**	<0.005	-
I2-D2 @ 6	6	9/15/2004	-	**1.3**	**0.065**	<0.005	**0.08**	**0.13**	**0.0068**	-
I3-D1 @ 6	6	9/15/2004	-	**160**	<0.2	**0.98**	**2.7**	**9.4**	<0.2	-
used oil @ 6	6	9/15/2004	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<50
used oil hoist	7	9/15/2004	**6.6**	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<50

Table 1

Historical Soil Results

Former Chevron Station #9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Depth (fbg)	Date	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TOG
					(concentrations reported in mg/kg)					
hoist #2	7	9/15/2004	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	**120**
~~hoist #3~~	~~7~~	~~9/15/2004~~	-	~~23~~	~~0.007~~	~~0.027~~	~~0.1~~	~~0.071~~	~~<0.005~~	~~12,000~~
hoist #4	7	9/15/2004	-	-	<0.005	<0 005	<0.005	<0.005	<0.005	**250**
hoist #3 @ 11	11	9/27/2004	-	<1.0	<0.005	<0.005	<0 005	<0.005	-	**61**
hoist #3 @ 11.5	11.5	9/27/2004	-	<1.0	<0.005	<0.005	<0.005	<0.005	-	<50

Additional Notes

TPHg = Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015
TPHd - Total Petroleum Hydrocarbons as Diesel
TOG = Total oil and gas by EPA Method 5520
fbg = feet below grade
"-" = Not analyzed
ND = Not detected
~~#7^~~ = sample was overexcavated
ESL = Shallow soil non-drinking water basin , commercial soil