R0335 ✓

CAMBRIA

To:	Mr. Barney Chan
Company	ACHA
Address:	
Phone:	
Fax:	

From:	Melissa Terry
Phone:	510-420-3345
Date:	11/5/04
Re:	2340 Otis Drive Alameda, CA

Transmittal

Dear Larry –

Enclosed is the *Tank and Dispenser Island Removal and Overexcavation Report* for the site in Alameda addressed as 2340 Otis Drive.

If you have any questions or concerns about this report, please call either myself or Bob Foss.

Thank you –
Melissa Terry

Melissa Terry

Sincerely,
Cambria Environmental Technology, Inc.

Cambria Environmental Technology, Inc., 5900 Hollis Street, Suite A, Emeryville, CA 94608
Tel (510) 420-0700 Fax (510) 420-9170

RU335

CAMBRIA

November 3, 2004

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

Re: Tank and Dispenser Island Removal and Overexcavation Report
Chevron Service Station No. 9-6607
2340 Otis Drive
Alameda, California
Cambria Project No. 61E-1970

Dear Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria) is submitting the results of compliance sampling activities performed at the site referenced above. The sampling was conducted following the removal of underground storage tanks (USTs), fuel dispensers and associated product piping, and subsequent overexcavation of hydrocarbon-impacted soil. Presented below are the site background, sampling activities, discussion of analytic results and conclusions.

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 onsite 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. The following is a brief description of the site investigative history.

February 1991, UST and Product Line Removal, Overexcavation 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 during this investigation 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 detected in any of the soil samples was 3,200 milligrams per kilogram (mg/kg) total oil and grease (TOG) in sample #7 from the used-oil UST excavation. Total petroleum

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hydrocarbons as gasoline (TPHg) was detected 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 overexcavated and removed from the gasoline UST pit. Confirmation soil samples #1 through #6 were collected after overexcavation to confirm that the impacted soil had been removed. No significant concentrations of hydrocarbons were detected 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 additional impacted soil. Confirmation soil sample #1, collected after additional overexcavation, contained one order of magnitude less TOG than in sample #7. No other hydrocarbons were detected. 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 detected beneath the dispenser islands. TPHg was detected at a maximum concentration of 5,700 mg/kg in sample #13. In March 1991, further overexcavation was conducted in the product line trenches and the used-oil UST pit. Overexcavation near the former used-oil UST was limited due to the concern for the structural integrity of the building. After all overexcavation 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, detected 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 have been monitored and sampled on a quarterly basis since that time.

Groundwater Depth and Flow Direction: Groundwater typically occurs at depths ranging from approximately 2.5 to 5.5 fbg at this site and fluctuates about 2 ft annually. Due to 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 ft/ft.

SAMPLING ACTIVITIES

Onsite Personnel: Ms. Melissa Terry of Cambria, Mr. Barney Chan and Mr. Robert Weston of Alameda County Health Agency, and Mr. Barry McCoy of Gettler-Ryan were onsite during sampling activities.

UST and Dispenser Removal Contractor: Gettler-Ryan, Inc. and Speelman Excavation Services removed all tanks, dispensers and associated piping.

Number of USTs and Dispensers Removed: Three 12,000-gallon gasoline double-walled fiberglass USTs connected to three dispenser islands by underground piping were removed (Figure 2). One 1,000-gallon fiberglass used-oil UST was also removed. No leaks or cracks were observed in any of the USTs. The tanks were transported by Ecology Control Industries (ECI) to their facility in Richmond, California.

UST and Dispenser Sampling Date: September 9, 15, 16 and 27, 2004.

UST and Dispenser Soil and Groundwater Sampling: On September 9, 2004, Staff Scientist Melissa Terry of Cambria collected 12 soil samples and two groundwater samples under the direction of Alameda County Health Agency representatives. Four soil samples, one at the midpoint of each wall, were collected from the UST pit. Six soil samples were collected from the dispenser islands and two soil samples were collected from the used-oil UST pit. Grab water samples were collected from the bottom of both the UST pit and the used-oil pit.

Based on analytic results of initial compliance samples, Cambria returned to the site to observe the overexcavation of the dispenser island area, the used-oil UST area, and the former hydraulic hoist areas on September 15 and 16, 2004. Staff Scientist Melissa Terry collected five confirmation soil samples from the overexcavated dispenser island area, two confirmation soil samples from overexcavation of the used-oil UST, and four samples from the vicinity of the former hydraulic hoists. Water was pumped from the UST pit and a second grab sample was collected. Composite soil samples were collected from the stockpiled soil from the dispenser island and used-oil UST overexcavations for disposal profiling.

Laboratory data from the soil sample collected from the vicinity of hoist #3 indicated elevated concentrations of TOG at 12,000 mg/kg. On September 27, 2004, Cambria returned to the site to observe overexcavation of soils around former hydraulic hoist #3. Staff Scientist Melissa Terry collected two confirmation soil samples from the vicinity of hoist #3 and four composite soil samples from the stockpile generated from overexcavation of the hoist area. The location of soil samples collected during this investigation is presented on Figure 2. Analytic results for soil and water samples are presented on Tables 1 and 2, respectively.

Sampling Methodology: Soil samples were collected using steam-cleaned brass tubes that were driven into soil in the backhoe bucket. Soil stockpile samples were collected by driving four brass tubes per composite sample into the soil stockpile. All samples were preserved on ice in a cooler and delivered under chain-of-custody to McCampbell Analytical in Pacheco, California.

Chemical Analyses: Select soil and groundwater samples were analyzed for some or all of the following compounds, as directed by the ACHA:

- TPHg and TPHd by EPA Method 8015M,
- Total Oil and Grease (TOG) by EPA Method 5520,
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B,
- Methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), tertiary-butyl alcohol (TBA), tertiary-amyl methyl ether (TAME), ethyl tertiary-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), and ethylene dibromide (EDB) by EPA Method 8260B, and
- Total lead by EPA Method 6010.

Laboratory analytic results for soil and groundwater samples are summarized in Tables 1 and 2. The laboratory analytic reports are presented as Attachment B.

Soil Disposal: A total of approximately 700 cubic yards of soil were excavated, stockpiled onsite, profiled, and transported by Integrated Waste Management of Milpitas, California to Forward Landfill in Manteca, California.

SOIL ANALYTICAL RESULTS

Laboratory analytic results of soil samples collected prior to overexcavation indicated that gasoline range hydrocarbon-impacted soil was limited to the dispenser island areas. The highest concentration of TPHg in soil samples collected during this investigation was 1,500 mg/kg, in soil sample I1-D2 (Island 1, Dispenser 2), collected from the southern-most dispenser island prior to overexcavation activities. The laboratory notes indicate that this sample had "no recognizable pattern" and correspondingly low concentrations of volatile aromatics (BTEX). These results suggest that the hydrocarbons detected in these dispenser island samples likely represent older, weathered/degraded gasoline from an earlier generation release. Historical soil analytic results from the 1991 UST/line replacement lend credence to this hypothesis. After overexcavation, a soil sample collected from the same location contained only 6.4 mg/kg of TPHg. The highest concentration of TPHg detected in post-overexcavation soil samples was 160 mg/kg in sample I3-D1, collected from the northern-most

dispenser island. With the exception of soil sample I3-D1, concentrations of TPHg decreased significantly after overexcavation activities were complete. The laboratory notes indicate that sample I3-D1 had "no recognizable pattern", suggesting that the hydrocarbons detected in this dispenser island sample likely represents older, weathered/degraded gasoline from an earlier generation release.

The highest concentration of TPHd in soil samples collected during this investigation was 3,100 mg/kg, in a sample collected from the used-oil UST pit at a depth of five feet. After overexcavation, no TPHd was detected above the 1 mg/kg detection limit in the confirmation sample collected at 6 fbg. The highest concentration of TPHd detected in post-overexcavation soil samples was 6.6 mg/kg in a sample collected at 7 fbg, adjacent to the former location of hydraulic hoist #1. This sample is designated on Table 1 and Figure 2 as "used oil hoist @ 7'."

The highest concentrations of TOG in soil samples collected during this investigation 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 overexcavation of the used-oil UST pit, samples collected from the same area at depths of 6 and 7 fbg contained less than 50 mg/kg of TOG. Samples collected after overexcavation 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 BTEX in soil samples collected during this investigation 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 from samples collected prior to overexcavation of subsurface facilities. After overexcavation, confirmation soil samples collected showed 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 xylene, both of which were from dispenser island sample I3-D1.

GROUNDWATER ANALYTICAL RESULTS

Laboratory analytical results of the groundwater sample collected from the UST pit prior to pumping showed concentrations of TPHg and benzene at 14,000 and 160 micrograms per liter (µg/L), respectively. MTBE was not present above the detection limit of 17 µg/L. The groundwater sample collected after pumping contained 11,000 µg/L TPHg and 87 µg/L benzene. MTBE was detected at a concentration of less than 25 µg/L. The analytic report notes that this water sample contained greater

than 1 volume % sediment. As a result, even relatively low concentrations of hydrocarbons sorbed to the soil particles included in this grab tankpit water sample could yield concentrations in the ranges indicated above of both TPHg and benzene. We feel that the reported concentrations from this grab water sample may not be indicative of stable groundwater conditions after evacuating approximately 9,000 gallons of water from the tankpit. Laboratory results of the groundwater sample collected from the used-oil UST pit contained 8,200 µg/L TPHd, 33 µg/L TOG, and 2 µg/L MTBE.

CONCLUSIONS

All sample locations with elevated petroleum hydrocarbon impacts were overexcavated. Final confirmation sample results show no significant residual hydrocarbon in soils in the excavated areas. Concentrations of hydrocarbons detected in groundwater samples collected from the UST pit and the used-oil UST pit are thought not to be truly representative of actual groundwater conditions, as they contained greater than 1 volume % sediment, which as stated above leads to higher reported concentrations. Quarterly monitoring of four onsite monitoring wells (now destroyed) has shown very low to non-detect concentrations of petroleum hydrocarbon constituents over the last two years. The most recent quarterly monitoring report is presented as Attachment C. Based on the very low and non-detectable concentrations of hydrocarbon constituents in soil and groundwater beneath the site, Cambria recommends that this site be closed. Additional data supporting this request is provided in Cambria's November 2, 2004 *Well Destruction and Subsurface Investigation Report.*

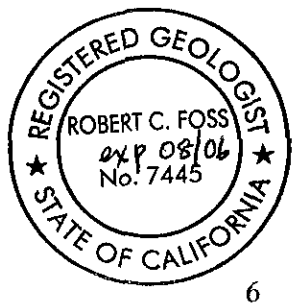
CLOSING

Please contact Mr. Robert Foss at (510) 420-3348 or bfoss@cambria-env.com with any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Melissa Terry
Staff Scientist

Robert Foss, R.G.
Associate Geologist



Figures: 1 –Vicinity Map
2 –Site Plan and Soil Sampling Locations

Tables: 1 – Soil Sample Analytic Results
2 – Groundwater Sample Analytic Results

Attachments: A – Tank Removal Sampling Procedures
B – Laboratory Analytic Reports
C – Third Quarter 2004 Groundwater Monitoring and Sampling Report

cc: Karen Streich, Chevron Products Company, P.O. Box 6004, San Ramon, CA 94583
Mr. Michael P. Corbitt, Harsch Investment Properties, 523 South Shore Center West, Alameda, CA 94501
Mr. Larry Bornstein, Staubach Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583

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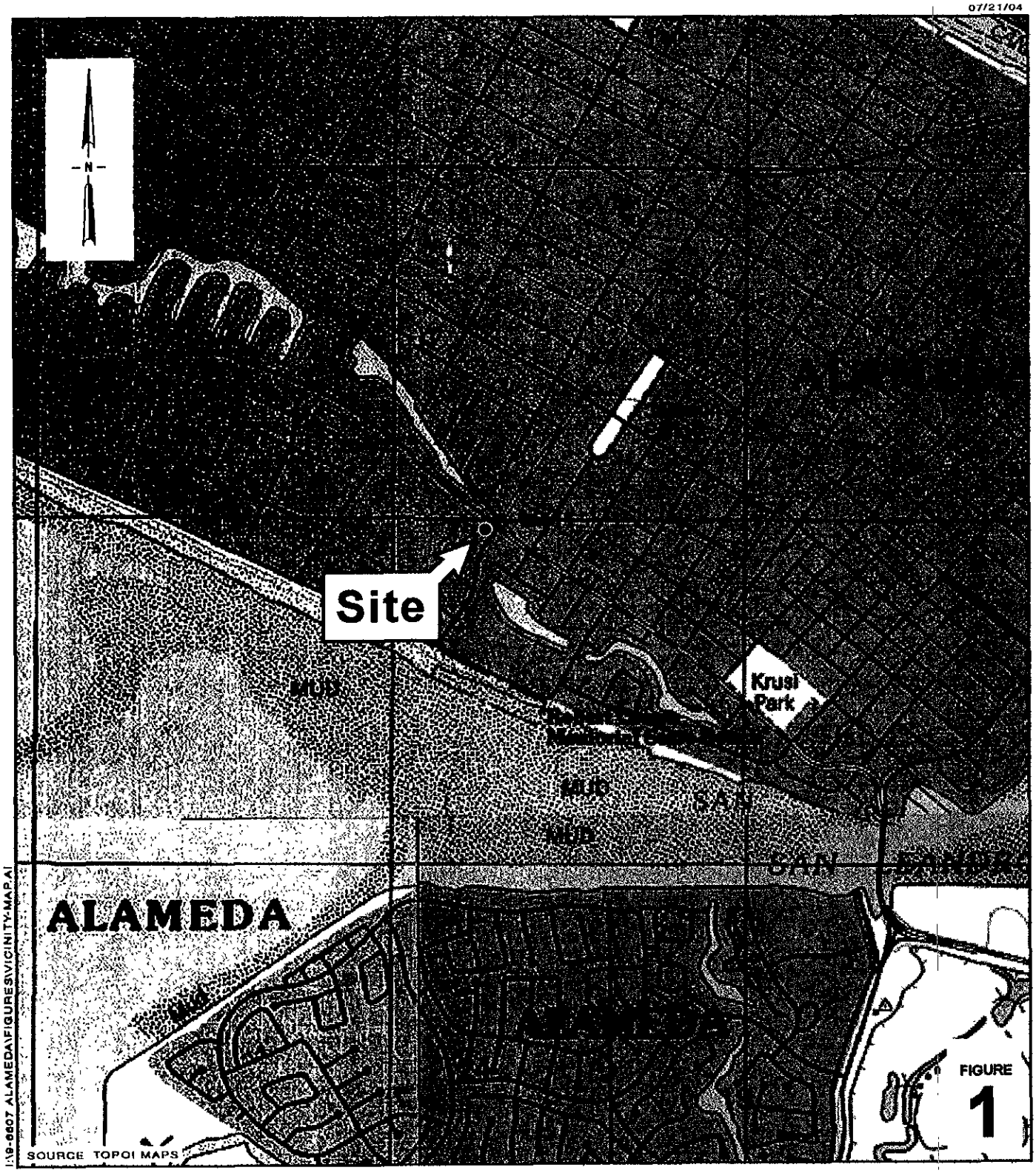
07/21/04



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

FIGURE 1

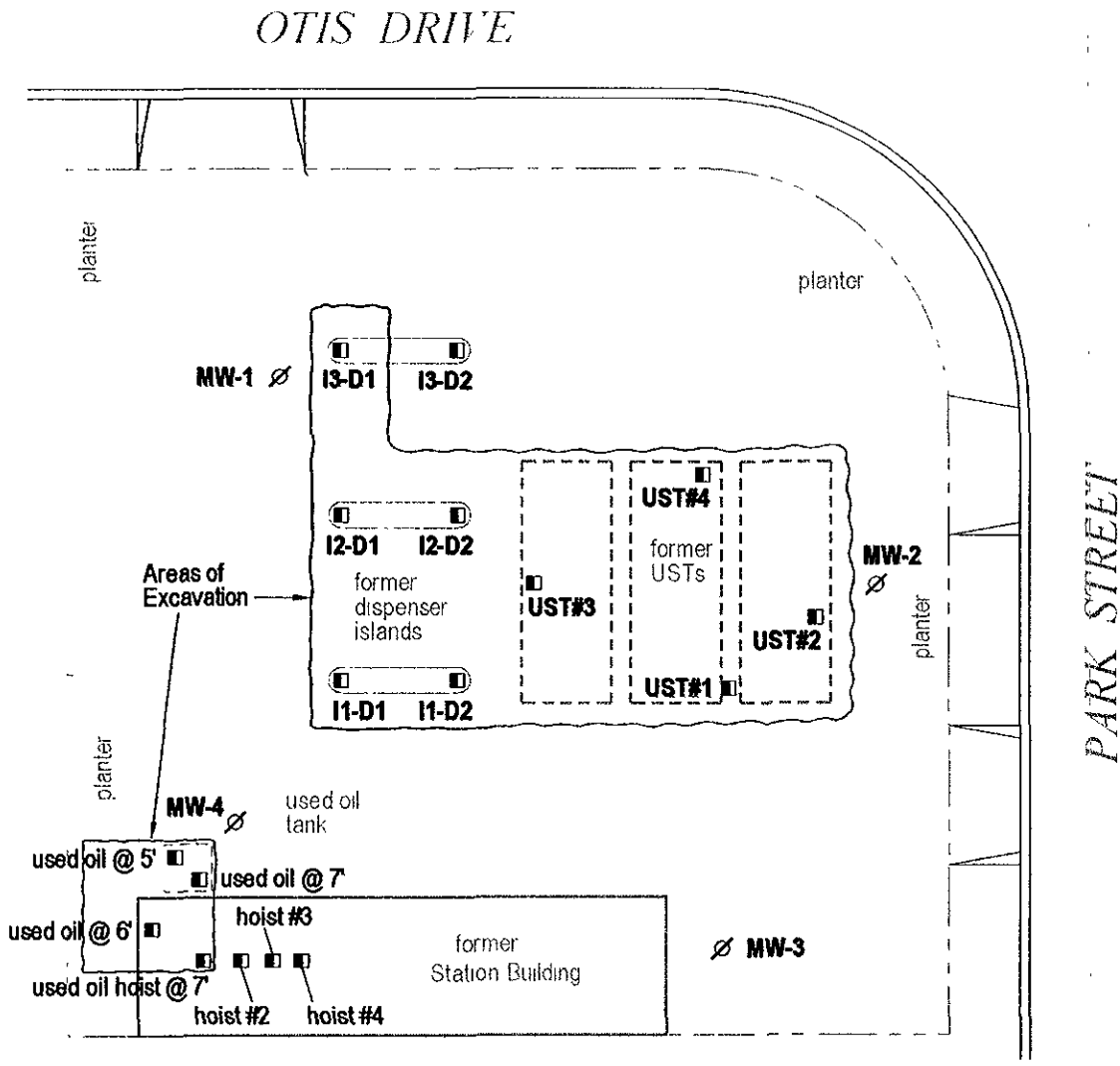
Chevron Service Station 9-6607

2340 Otis Drive

Alameda, California

CAMBRIA

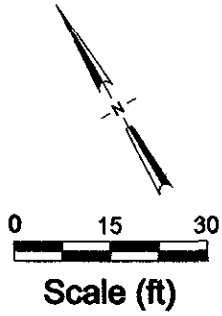
Vicinity Map



EXPLANATION

MW-1 ⌀ Destroyed monitoring well location

I1-D1 ◧ Soil sample location



FIGURE

2

I:\9-6607\FIGURES\OVER-EX.DWG

Chevron Service Station 9-6607

2340 Otis Drive

Alameda, California

CAMBRIA

Overexcavation and Compliance Sample Locations

Table 1. Analytic Results for Soil Samples - Chevron Station 9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Sample Depth (ft)	Sample Date	TPHg	TPHd	TOG	B	T	E	X	MTBE
			Concentrations reported in milligrams per kilogram mg/kg = parts per million							
UST#1	9	9/9/2004	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
UST#2	9	9/9/2004	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005	**0.011**
UST#3	9	9/9/2004	**17**	NA	NA	**0.02**	**0.065**	**0.35**	**1**	<0.01
UST#4	9	9/9/2004	<1.0	NA	NA	<0.005	<0.005	<0.005	**0.003**	**0.008**
I1-D1	4	9/9/2004	**290**	NA	NA	<0.01	<0.01	**0.026**	**0.036**	<0.01
I1-D2	4	9/9/2004	**1,500**	NA	NA	<0.5	**0.64**	**10**	**38**	<0.5
I2-D1	4	9/9/2004	**19**	NA	NA	**0.2**	**0.08**	**0.6**	**1.9**	<0.05
I2-D2	4	9/9/2004	**190**	NA	NA	<0.1	<0.1	**0.11**	**0.53**	<0.1
I3-D1	4	9/9/2004	**37**	NA	NA	**0.74**	<0.05	**2.3**	**0.74**	<0.05
I3-D2	4	9/9/2004	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
used oil @ 5	5	9/9/2004	**420**	**3,100**	**25,000**	<1.0	**1.3**	**4.5**	**19**	<1.0
used oil @ 7	7	9/9/2004	**2.5**	**110**	**880**	<0.005	<0.005	<0.005	<0.005	<0.005
I1-D1 @ 6	6	9/15/2004	**4.4**	NA	NA	<0.005	**0.005**	**0.049**	**0.1**	**0.0097**
I1-D2 @ 6	6	9/15/2004	**6.4**	NA	NA	**0.014**	**0.14**	**0.067**	**0.37**	<0.005
I2-D1 @ 6	6	9/15/2004	<1.0	NA	NA	**0.013**	<0.005	**0.01**	**0.018**	<0.005
I2-D2 @ 6	6	9/15/2004	**1.3**	NA	NA	**0.065**	<0.005	**0.08**	**0.13**	**0.0068**
I3-D1 @ 6	6	9/15/2004	**160**	NA	NA	<0.2	**0.98**	**2.7**	**9.4**	**<0.2**
used oil @ 6	6	9/15/2004	<1.0	<1.0	<50	<0.005	<0.005	<0.005	<0.005	<0.005
used oil hoist	7	9/15/2004	<1.0	**6.6**	<50	<0.005	<0.005	<0.005	<0.005	<0.005
hoist #2	7	9/15/2004	NA	NA	**120**	<0.005	<0.005	<0.005	<0.005	<0.005
hoist #3	7	9/15/2004	**23**	NA	**12,000**	**0.007**	**0.027**	**0.1**	**0.071**	<0.005
hoist #4	7	9/15/2004	NA	NA	**250**	<0.005	<0.005	<0.005	<0.005	<0.005
hoist #3 @ 11	11	9/27/2004	<1.0	NA	**61**	<0.005	<0.005	<0.005	<0.005	NA
hoist #3 @ 11.5	11.5	9/27/2004	<1.0	NA	<50	<0.005	<0.005	<0.005	<0.005	NA

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) by EPA Method 8015

Total Oil and Grease (TOG) by EPA Method 5520

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

<x = Not detected above method detection limit

NA = Not analyzed

Table 2. Analytic Results for Groundwater Samples - Chevron Station 9-6607, 2340 Otis Drive, Alameda, CA

Sample ID	Sample Date	TPHg	TPHd	TOG	B	T	E	X	MTBE
		Concentrations reported in micrograms per liter - µg/l = parts per billion							
used oil	9/9/2004	<50	**8,200**	**33**	<0.5	<0.5	<0.5	<0.5	2
UST pit	9/9/2004	**14,000**	NA	NA	**160**	**590**	**620**	**2,700**	<17
UST pit-post	9/15/2004	**11,000**	NA	NA	**87**	**390**	**430**	**2900**	<25

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015C

Total Oil and Grease (TOG) by EPA Method 5520

Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Methyl tertiary butyl ether (MTBE) by EPA Method 8260B

<x = Not detected above method detection limit

NA = Not analyzed

ATTACHMENT A

Tank Removal Sampling Procedures

TANK REMOVAL SAMPLING PROCEDURES

This document describes Cambria Environmental Technology's standard operating procedures for collecting soil and ground water samples during underground storage tank removal. These procedures ensure that the samples are collected, handled, and documented in compliance with California Administration Code Title 23: Waters; Chapter 3: Water Resources Control Board; Subchapter 16: Underground Storage Tank Regulations (Title 23). Cambria's sampling procedures are based on guidelines contained in the California State Regional Water Quality Control Board Tri-Regional Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites dated August 10, 1990.

Tank Removal Sampling

The objective of sample collection during routine underground storage tank removals is to determine whether hydrocarbons or other stored chemicals have leaked to the subsurface. If no ground water is encountered within the tank excavation, Cambria will sample native soil 1 to 2 ft beneath the removed tank. Additional soil samples may also be collected at locations of obvious spillage to determine maximum concentrations in the surrounding soils. For underground storage tanks with a capacity of less than 1,000 gallons, one soil sample is collected beneath the fill end of the tank. For tanks with a capacity of between 1,000 and 10,000 gallons, one soil sample is collected beneath each end of the tank. For tanks larger than 10,000 gallons, 3 or more soil samples are collected beneath the removed tank. We also collect one soil sample for every 20 ft of product piping.

In cases where ground water is encountered within underground storage tank excavations, Cambria will collect confirmatory soil samples from the excavation sidewalls just above the soil/ground water interface and a representative ground water sample from the excavation. The excavation is typically purged and allowed to recover prior to collecting the water sample. For tanks with capacities of 10,000 gallons or less, one soil sample is collected from the wall at each end of the tank excavation. For tanks with capacities greater than 10,000 gallons, or tank clusters, at least four soil samples are collected from the excavation walls next to the tank ends. Piping samples are collected in native soil 1 to 2 ft beneath the removed piping. One sample is typically collected for every 20 linear ft of piping unless regulatory agencies approve of different sampling requirements.

The soil samples are collected in steam cleaned brass or steel tubes from either a driven split-spoon type sampler or the bucket of a backhoe. When a backhoe is used, approximately three inches of soil are scraped from the surface and the tube is driven into the exposed soil.

Upon removal from the split-spoon sampler or the backhoe, the samples are trimmed flush, capped with Teflon sheets and plastic end caps, labeled, logged and refrigerated for delivery under chain of custody to a State certified analytic laboratory.

The ground water sample is collected using steam cleaned Teflon or PVC bailers, decanted into a volatile organic analysis (VOA) bottle or other appropriate clean sample container, refrigerated and transported under chain of custody to a State certified analytic laboratory.

ATTACHMENT B

Laboratory Analytic Reports

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www mccampbell com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/22/04
	Client P.O.:	Date Analyzed: 09/23/04

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

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0409240

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	I1-D1@6	S	4.4,b	1	99.2
002A	I1-D2@6	S	6.4,b,m	1	83.2
003A	I2-D1@6	S	ND	1	93.0
004A	I2-D2@6	S	1.3,a	1	84.4
005A	I3-D1@6	S	160,b,m	40	103
006A	Used Oil @ 6	S	ND	1	86.7
007A	Used Oil Hoist @ 7	S	ND	1	88.9
009A	Hoist #3	S	23,a	1	89.2

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/22/04
	Client P.O.:	Date Analyzed: 09/23/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0409240

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0409240-006A	Used Oil @ 6	S	ND	1	105
0409240-007A	Used Oil Hoist @ 7	S	6.6,g	1	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	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.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/22/04
	Client P.O.:	Date Analyzed: 09/22/04

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F

Work Order: 0409240

Lab ID	Client ID	Matrix	POG	DF	% SS
0409240-006A	Used Oil @ 6	S	ND	1	N/A
0409240-007A	Used Oil Hoist @ 7	S	ND	1	N/A
0409240-008A	Hoist #2	S	120	1	N/A
0409240-009A	Hoist #3	S	12,000	1	N/A
0409240-010A	Hoist #4	S	250	1	N/A

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

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder. 0409240

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13256 Spiked Sample ID: 0409333-001A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	93.7	96	2.38	98.3	99 8	I 43	70	130
MTBE	ND	0.10	85.7	88.8	3.47	96.7	102	4.90	70	130
Benzene	ND	0.10	93.3	98.7	5.64	98.9	99 6	0.740	70	130
Toluene	ND	0.10	86 1	80.1	7.17	80.1	81.4	1.58	70	130
Ethylbenzene	ND	0 10	94.9	100	5.64	97.7	99	1.36	70	130
Xylenes	ND	0.30	85	90	5.71	85.7	90	4.93	70	130
%SS.	91.0	0.10	99	100	1.48	100	99	1.28	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

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 = 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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SM5520E/F

Matrix S WorkOrder 0409240

EPA Method: SM5520E/F Extraction: PR5520_SG_S BatchID: 13178 Spiked Sample ID: 0409246-001A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
POG	ND	100	92	94	2.15	93	92	1.08	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0409240

EPA Method: SW8260B Extraction: SW5030B BatchID: 13176 Spiked Sample ID: 0409241-001A

Analyte	Sample µg/Kg	Spiked µg/Kg	MS* % Rec	MSD* % Rec.	MS-MSD % RPD	LCS % Rec	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
tert-Amyl methyl ether (TAME)	ND	50	82.9	84.6	2.01	90.9	90.2	0.726	70	130
Benzene	ND	50	115	118	2.36	123	121	1 24	70	130
t-Butyl alcohol (TBA)	ND	250	77.4	76.9	0.650	90.8	91.8	1.07	70	130
1,2-Dibromoethane (EDB)	ND	50	92.8	93.8	1.09	108	104	4.15	70	130
1,2-Dichloroethane (1,2-DCA)	ND	50	107	110	2.07	108	110	1 86	70	130
Diisopropyl ether (DIPE)	ND	50	114	118	3 26	116	119	2.64	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	99.6	102	2.03	110	109	1.02	70	130
Methyl-t-butyl ether (MTBE)	ND	50	88.5	89.9	1.57	99.7	100	0.308	70	130
Toluene	ND	50	109	110	1.44	120	114	4.98	70	130
%SS1	98.9	50	93	93	0	98 7	100	1.28	70	130
%SS2	105	50	103	104	0 473	103	102	0 617	70	130
%SS3	103	50	121	119	1 51	112	113	1 59	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder. 0409240

EPA Method: SW8015C Extraction: SW3550C BatchID: 13260 Spiked Sample ID: 0409333-001A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
TPH(d)	ND	150	98.9	96.4	2.58	93.6	97.4	4.03	70	130
%SS:	114	50	118	118	0	110	118	6.49	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409240 **ClientID: CETE**

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #61E-1970; 9-6607
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/16/04
Date Printed: 9/22/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409240-001	I1-D1@6	Soil	9/15/04 1:30:00 PM	☐		A	A												
0409240-002	I1-D2@6	Soil	9/15/04 1:25:00 PM	☐		A	A												
0409240-003	I2-D1@6	Soil	9/15/04 12:17:00	☐		A	A												
0409240-004	I2-D2@6	Soil	9/15/04 12:11:00	☐		A	A												
0409240-005	I3-D1@6	Soil	9/15/04	☐		A	A												
0409240-006	Used Oil @ 6	Soil	9/15/04 11:37:00	☐	A	A	A												
0409240-007	Used Oil Hoist @ 7	Soil	9/15/04 11:34:00	☐	A	A	A												
0409240-008	Hoist #2	Soil	9/15/04 2:35:00 PM	☐	A		A												
0409240-009	Hoist #3	Soil	9/15/04 2:45:00 PM	☐	A	A	A												
0409240-010	Hoist #4	Soil	9/15/04 2:50:00 PM	☐	A		A												

Test Legend:

1	5520E_SG_S	2	G-MBTEX_S	3	MBTEXOXY-8260B_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments: Tph (g), Tph (d), and 5520 added 9/22 per fax on a 48 hr rush

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

cete

RUSH!! 0409240

McCAMPBELL ANALYTICAL INC.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☐ RUSH ■ 24 HR (circled) ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No ~~Write On~~ (DW) No

Report To: Melissa Terry Bill To: same
Company: Cambria Environmental
5900 Hollis St., Suite A
Emeryville, CA 94608 E-Mail: mterry@cambria-env.com
Tele: (510) 420-3345 Fax: (510) 420-9170
Project #: 61E-1970 Project Name: 9-6607
Project Location: Alameda
Sampler Signature: Melissa Terry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	~~BTEX &~~ TPH as Gas (602/8020 + 8015) ~~MTBE~~ (added 9/16 48hr)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: MTBE, BTEX, 5oxy + Pb scav,	Other: ethanol - 8260	Other	Other	Comments
I1-D1@6		1330	9/15	1			X				X				X															X	X			
I1-D2@6		1325	"	1			X				X				X															X	X			
I2-D1@6		1217	"	1			X				X				X															X	X			
I2-D2@6		1211	"	1			X				X				X															X	X			
I3-D1@6							X				X				X															X	X			
usedoil@6		1137	"	1			X				X				X	X	X													X	X			
usedoilhoist@7		1134	"	1			X				X				X	X	X													X	X			
hoist #2		1435	"	1			X				X						X													X	X			
hoist #3		1445	"	1			X				X				X		X													X	X			
hoist #4		1450	"	1			X				X						X													X	X			

Relinquished By:	Date:	Time:	Received By:
Melissa Terry	9-16-04	1010	[illegible signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ____
DECHLORINATED IN LAB ____

	VOAS	O&G	METALS	OTHER
PRESERVATION ✓				

APPROPRIATE CONTAINERS ✓
PERSERVED IN LAB ____

McCampbell Analytical, Inc.

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted:
	Client P.O.:	Date Analyzed: 09/16/04-09/17/04

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409240

Lab ID	0409240-001A	0409240-002A	0409240-003A	0409240-004A	Reporting Limit for DF =1	
Client ID	I1-D1@6	I1-D2@6	I2-D1@6	I2-D2@6		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				µg/Kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	NA
Benzene	ND	14	13	65	5.0	NA
t-Butyl alcohol (TBA)	ND	ND	ND	48	25	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	NA
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	NA
Ethanol	ND	ND	ND	ND	250	NA
Ethylbenzene	49	67	10	80	5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	NA
Methyl-t-butyl ether (MTBE)	9.7	ND	ND	6.8	5.0	NA
Toluene	5.0	140	ND	ND	5.0	NA
Xylenes	100	370	18	130	5.0	NA
Surrogate Recoveries (%)						
%SS1:	103	102	101	100		
%SS2:	101	103	103	103		
%SS3:	98.1	99.7	99.5	103		
Comments						

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted:
	Client P.O.:	Date Analyzed: 09/16/04-09/17/04

Oxygenates and BTEX by GC/MS*

Extraction Method. SW5030B | Analytical Method: SW8260B | Work Order: 0409240

Lab ID	0409240-005A	0409240-006A	0409240-007A	0409240-008A	Reporting Limit for DF =1	
Client ID	I3-D1@6	Used Oil @ 6	Used Oil Hoist @ 7	Hoist #2		
Matrix	S	S	S	S		
DF	40	1	1	1	S	W
Compound	**Concentration**				µg/Kg	ug/L
tert-Amyl methyl ether (TAME)	ND<200	ND	ND	ND	5.0	NA
Benzene	ND<200	ND	ND	ND	5.0	NA
t-Butyl alcohol (TBA)	ND<1000	ND	ND	ND	25	NA
1,2-Dibromoethane (EDB)	ND<200	ND	ND	ND	5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND<200	ND	ND	ND	5.0	NA
Diisopropyl ether (DIPE)	ND<200	ND	ND	ND	5.0	NA
Ethanol	ND<10,000	ND	ND	ND	250	NA
Ethylbenzene	2700	ND	ND	ND	5.0	NA
Ethyl tert-butyl ether (ETBE)	ND<200	ND	ND	ND	5.0	NA
Methyl-t-butyl ether (MTBE)	ND<200	ND	ND	ND	5.0	NA
Toluene	980	ND	ND	ND	5.0	NA
Xylenes	9400	ND	ND	ND	5.0	NA
Surrogate Recoveries (%)						
%SS1:	104	99.1	100	103		
%SS2:	99.3	103	103	105		
%SS3:	97.6	101	102	106		
Comments						

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted:
	Client P.O.:	Date Analyzed: 09/16/04-09/17/04

Oxygenates and BTEX by GC/MS*

Extraction Method. SW5030B | Analytical Method: SW8260B | Work Order: 0409240

Lab ID	0409240-009A	0409240-010A			Reporting Limit for DF =1	
Client ID	Hoist #3	Hoist #4				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				µg/Kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND			5.0	NA
Benzene	7.7	ND			5.0	NA
t-Butyl alcohol (TBA)	ND	ND			25	NA
1,2-Dibromoethane (EDB)	ND	ND			5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND			5.0	NA
Diisopropyl ether (DIPE)	ND	ND			5.0	NA
Ethanol	ND	ND			250	NA
Ethylbenzene	100	ND			5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND			5.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND			5.0	NA
Toluene	27	ND			5.0	NA
Xylenes	71	ND			5.0	NA
Surrogate Recoveries (%)						
%SS1:	108	93.4				
%SS2:	102	107				
%SS3:	110	99.8				
Comments						

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8260B

Matrix· S WorkOrder: 0409240

EPA Method: SW8260B Extraction: SW5030B BatchID: 13176 Spiked Sample ID: 0409241-001A

Analyte	Sample µg/Kg	Spiked µg/Kg	MS* % Rec.	MSD* % Rec	MS-MSD % RPD	LCS % Rec.	LCSD % Rec	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
tert-Amyl methyl ether (TAME)	ND	50	82.9	84.6	2 01	90.9	90.2	0.726	70	130
Benzene	ND	50	115	118	2 36	123	121	1 24	70	130
t-Butyl alcohol (TBA)	ND	250	77 4	76.9	0.650	90.8	91.8	1.07	70	130
1,2-Dibromoethane (EDB)	ND	50	92 8	93.8	1.09	108	104	4.15	70	130
1,2-Dichloroethane (1,2-DCA)	ND	50	107	110	2.07	108	110	1 86	70	130
Diisopropyl ether (DIPE)	ND	50	114	118	3 26	116	119	2.64	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	99.6	102	2 03	110	109	1 02	70	130
Methyl-t-butyl ether (MTBE)	ND	50	88.5	89.9	1.57	99.7	100	0.308	70	130
Toluene	ND	50	109	110	1.44	120	114	4 98	70	130
%SS1·	98.9	50	93	93	0	98.7	100	1.28	70	130
%SS2·	105	50	103	104	0.473	103	102	0 617	70	130
%SS3:	103	50	121	119	1 51	112	113	1.59	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409240 **ClientID: CETE**

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #61E-1970; 9-6607
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/16/04
Date Printed: 9/16/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409240-001	I1-D1@6	Soil	9/15/04 1:30:00 PM	☐	A														
0409240-002	I1-D2@6	Soil	9/15/04 1:25:00 PM	☐	A														
0409240-003	I2-D1@6	Soil	9/15/04 12:17:00	☐	A														
0409240-004	I2-D2@6	Soil	9/15/04 12:11:00	☐	A														
0409240-005	I3-D1@6	Soil	9/15/04	☐	A														
0409240-006	Used Oil @ 6	Soil	9/15/04 11:37:00	☐	A														
0409240-007	Used Oil Hoist @ 7	Soil	9/15/04 11:34:00	☐	A														
0409240-008	Hoist #2	Soil	9/15/04 2:35:00 PM	☐	A														
0409240-009	Hoist #3	Soil	9/15/04 2:45:00 PM	☐	A														
0409240-010	Hoist #4	Soil	9/15/04 2:50:00 PM	☐	A														

Test Legend:

1	MBTEXOXY-8260B_S	2		3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

cc/fr

RUSH!

0409240

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☗ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Melissa Terry	Bill To: same
Company: Cambria Environmental	
5900 Hollis St., Suite A	
Emeryville, CA 94608	E-Mail: mterry@cambria-env.com
Tele: (510) 420-3345	Fax: (510) 420-9170
Project #: 6IE-1970	Project Name: 9-6607
Project Location: Alameda	
Sampler Signature: Melissa Terry	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other
I1-D1@6		1330	9/15	1			X				X			
I1-D2@6		1325	"	1			X				X			
I2-D1@6		1217	"	1			X				X			
I2-D2@6		1211	"	1			X				X			
I3-D1@6							X				X			
used oil @6		1137	"	1			X				X			
used oil hoist#1		1134	"	1			X				X			
hoist #2		1435	"	1			X				X			
hoist #3		1445	"	1			X				X			
hoist #4		1450	"	1			X				X			

Analysis Request

Gas 602/8020 + 8015 MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI
X	X	X			X									
X	X	X			X									
X	X	X			X									
X	X	X			X									
X	X	X			X									
X	X	X												
X	X	X												
X		X												
X		X												
X		X												

add Hvoc

Other: MTBE, BTEX, 5oxy + Pb scav, ethanol - 8260

Comments:

Relinquished By:	Date:	Time:	Received By:
Melissa Terry	9/16/04	1010	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVED IN LAB
PRESERVATION APPROPRIATE ✓
CONTAINERS ✓

VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 96607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/17/04
	Client P.O.:	Date Analyzed: 09/17/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409239

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001C	UST pit-post	W	11,000,a,i	ND<100	61	210	270	2100	20	96.9
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 96607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/17/04
	Client P.O.:	Date Analyzed: 09/17/04

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

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0409239

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001C	UST pit-post	W	11,000,a,i	20	96.9

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 96607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
	Client Contact: Melissa Terry	Date Extracted: 09/16/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/16/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409239

Lab ID	0409239-001A
Client ID	UST pit-post
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<250	50	5.0	Acrolein (Propenal)	ND<250	50	5.0
Acrylonitrile	ND<100	50	2.0	tert-Amyl methyl ether (TAME)	ND<25	50	0.5
Benzene	87	50	0.5	Bromobenzene	ND<25	50	0.5
Bromochloromethane	ND<25	50	0.5	Bromodichloromethane	ND<25	50	0.5
Bromoform	ND<25	50	0.5	Bromomethane	ND<25	50	0.5
2-Butanone (MEK)	ND<100	50	2.0	t-Butyl alcohol (TBA)	ND<250	50	5.0
n-Butyl benzene	56	50	0.5	sec-Butyl benzene	ND<25	50	0.5
tert-Butyl benzene	ND<25	50	0.5	Carbon Disulfide	ND<25	50	0.5
Carbon Tetrachloride	ND<25	50	0.5	Chlorobenzene	ND<25	50	0.5
Chloroethane	ND<25	50	0.5	2-Chloroethyl Vinyl Ether	ND<50	50	1.0
Chloroform	ND<25	50	0.5	Chloromethane	ND<25	50	0.5
2-Chlorotoluene	ND<25	50	0.5	4-Chlorotoluene	ND<25	50	0.5
Dibromochloromethane	ND<25	50	0.5	1,2-Dibromo-3-chloropropane	ND<25	50	0.5
1,2-Dibromoethane (EDB)	ND<25	50	0.5	Dibromomethane	ND<25	50	0.5
1,2-Dichlorobenzene	ND<25	50	0.5	1,3-Dichlorobenzene	ND<25	50	0.5
1,4-Dichlorobenzene	ND<25	50	0.5	Dichlorodifluoromethane	ND<25	50	0.5
1,1-Dichloroethane	ND<25	50	0.5	1,2-Dichloroethane (1,2-DCA)	ND<25	50	0.5
1,1-Dichloroethene	ND<25	50	0.5	cis-1,2-Dichloroethene	ND<25	50	0.5
trans-1,2-Dichloroethene	ND<25	50	0.5	1,2-Dichloropropane	ND<25	50	0.5
1,3-Dichloropropane	ND<25	50	0.5	2,2-Dichloropropane	ND<25	50	0.5
1,1-Dichloropropene	ND<25	50	0.5	cis-1,3-Dichloropropene	ND<25	50	0.5
trans-1,3-Dichloropropene	ND<25	50	0.5	Diisopropyl ether (DIPE)	ND<25	50	0.5
Ethylbenzene	430	50	0.5	Ethyl tert-butyl ether (ETBE)	ND<25	50	0.5
Freon 113	ND<500	50	10	Hexachlorobutadiene	ND<25	50	0.5
Hexachloroethane	ND<25	50	0.5	2-Hexanone	ND<25	50	0.5
Isopropylbenzene	38	50	0.5	4-Isopropyl toluene	ND<25	50	0.5
Methyl-t-butyl ether (MTBE)	ND<25	50	0.5	Methylene chloride	ND<25	50	0.5
4-Methyl-2-pentanone (MIBK)	ND<25	50	0.5	Naphthalene	230	50	0.5
Nitrobenzene	ND<500	50	10	n-Propyl benzene	140	50	0.5
Styrene	ND<25	50	0.5	1,1,1,2-Tetrachloroethane	ND<25	50	0.5
1,1,2,2-Tetrachloroethane	ND<25	50	0.5	Tetrachloroethene	ND<25	50	0.5
Toluene	390	50	0.5	1,2,3-Trichlorobenzene	ND<25	50	0.5
1,2,4-Trichlorobenzene	ND<25	50	0.5	1,1,1-Trichloroethane	ND<25	50	0.5
1,1,2-Trichloroethane	ND<25	50	0.5	Trichloroethene	ND<25	50	0.5
Trichlorofluoromethane	ND<25	50	0.5	1,2,3-Trichloropropane	ND<25	50	0.5
1,2,4-Trimethylbenzene	1100	50	0.5	1,3,5-Trimethylbenzene	390	50	0.5
Vinyl Chloride	ND<25	50	0.5	Xylenes	2900	50	0.5

Surrogate Recoveries (%)

%SS1:	102	%SS2:	106
%SS3:	111		

Comments: i

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0409239

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13172 Spiked Sample ID: 0409250-002A

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
TPH(btex)£	ND	60	97 8	83	16 4	100	84.1	17 5	70	130
MTBE	ND	10	100	82.9	18.7	97	102	4.90	70	130
Benzene	ND	10	90.9	91	0.129	94 8	94	0 878	70	130
Toluene	ND	10	94.1	90 8	3.53	89.5	87.9	1.81	70	130
Ethylbenzene	ND	10	93.5	93.3	0.254	96.1	95.2	0.871	70	130
Xylenes	ND	30	94.7	94.3	0 353	86.3	86	0.387	70	130
%SS:	83.6	10	102	99	2 19	96.7	98.5	1.80	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 applicable or 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0409239

EPA Method: SW8260B Extraction: SW5030B BatchID: 13173 Spiked Sample ID: 0409235-004C

Analyte	Sample µg/L	Spiked µg/L	MS* % Rec	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
tert-Amyl methyl ether (TAME)	ND	10	83.5	83.4	0.117	81.8	82	0.237	70	130
Benzene	4.20	10	125	125	0	113	115	1.18	70	130
t-Butyl alcohol (TBA)	ND	50	76.1	78.3	2.88	91.2	92.6	1.55	70	130
Chlorobenzene	ND	10	101	99.3	1.80	109	109	0	70	130
1,2-Dibromoethane (EDB)	ND	10	93.7	93.5	0.140	104	105	0.922	70	130
1,2-Dichloroethane (1,2-DCA)	ND	10	111	110	0.409	99.3	100	0.848	70	130
1,1-Dichloroethene	ND	10	109	106	2.62	125	121	3.56	70	130
Diisopropyl ether (DIPE)	ND	10	122	119	1.68	101	104	2.58	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	103	103	0	101	100	0.399	70	130
Methyl-t-butyl ether (MTBE)	ND	10	93.5	93.2	0.337	104	104	0	70	130
Toluene	ND	10	116	113	2.66	110	111	0.878	70	130
Trichloroethene	ND	10	88.9	87.1	2.03	91.3	89.8	1.64	70	130
%SS1	90.4	10	102	105	2.09	97.5	97.1	0.459	70	130
%SS2.	102	10	104	105	0.822	100	99.9	0.545	70	130
%SS3:	110	10	120	118	1.09	105	108	2.80	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409239 **ClientID: CETE**

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #61E-1970; 96607
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/16/04
Date Printed: 9/16/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409239-001	UST pit-post	Water	9/16/04 9:00:00 AM	☐	A	C													

Test Legend:

1	8260B_W	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

RUSH!

040923 9

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☗ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Melissa Terry Bill To: same
Company: Cambria Environmental
5900 Hollis St., Suite A
Emeryville, CA 94608 E-Mail: mterry@cambria-env.com
Tele: (510) 420-3345 Fax: (510) 420-9170
Project #: 61E-1970 Project Name: 9-6607
Project Location: Alameda
Sampler Signature: Melissa Terry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
USTpit-post		9-16	0900	6	VOA	X					X	X		

Analysis Request: ~~BTEX & TPH as Gas~~ 602/8020 + (8015) MTBE (X); TPH as Diesel (8015) (X); Total Petroleum Oil & Grease (5520 E&F/B&F); Total Petroleum Hydrocarbons (418.1); EPA 601 / 8010; BTEX ONLY (EPA 602 / 8020); EPA 608 / 8080; EPA 608 / 8080 PCB's ONLY; EPA 624 / 8240 / 8260; EPA 625 / 8270; PAH's / PNA's by EPA 625 / 8270 / 8310; CAM-17 Metals; LUFT 5 Metals; Lead (7240/7421/239.2/6010); RCI

Other: BTEX, chlor. hydrocarbons (X); 5 oxy + Pb scav - 8260 (X); semi. VOCs - 8270 (X)

Comments:

730

Relinquished By:	Date:	Time:	Received By:
Melissa Terry	9-16	1025	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB_____ PERSERVED IN LAB_____

PRESERVATION ✓ APPROPRIATE CONTAINERS_____

VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04-09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/16/04
	Client P.O.:	Date Analyzed: 09/16/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409238

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	COMP1	S	320,b,m	ND<2.0	ND<0.20	2.2	2.9	21	40	118
002A	Comp2	S	250,b,m	ND<2.0	ND<0.20	3.2	2.9	19	40	111

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/15/04-09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/16/04
	Client P.O.:	Date Analyzed: 09/16/04

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0409238

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0409238-001A	COMP1	S	TTLC	18	1	109
0409238-002A	Comp2	S	TTLC	9.4	1	110

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

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

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0409238

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13156 Spiked Sample ID: 0409204-097A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
TPH(btex)£	ND	0.60	94.8	95.9	1.13	118	96.4	20 3	70	130
MTBE	ND	0.10	83.6	86.9	3 91	99.7	96.9	2 85	70	130
Benzene	ND	0.10	99.6	101	1.03	116	97.5	17.2	70	130
Toluene	ND	0 10	80 5	82.1	1.94	107	82 1	26.7	70	130
Ethylbenzene	ND	0.10	101	102	1.50	118	97	19.3	70	130
Xylenes	ND	0.30	89.7	90	0.371	110	85.7	24.9	70	130
%SS.	89 6	0.10	104	104	0	110	102	7.69	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

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 = 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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR 6010C

Matrix: S WorkOrder: 0409238

EPA Method 6010C Extraction: SW3050B BatchID: 13168 Spiked Sample ID: 0409246-001A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
Lead	ND	50	93 2	95	1.97	89.7	89.6	0.0558	80	120
%SS.	106	250	102	108	5 83	103	108	4.44	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions

NONE

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)

* Acceptance Criteria for MS / MSD is between 70% and 130%. 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 applicable to this method.

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409238 **ClientID: CETE**

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #61E-1970; 9-6607
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/16/04
Date Printed: 9/16/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409238-001	COMP1	Soil	9/15/04 2:45:00 PM	☐	A	A													
0409238-002	Comp2	Soil	9/16/04 9:00:00 AM	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Elisa Venegas

Comments: ON 24HR TAT

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

Site 0409238

RUSH!

McCAMPBELL ANALYTICAL INC.

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Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☗ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Melissa Terry Bill To: same

Company: Cambria Environmental
5900 Hollis St., Suite A
Emeryville, CA 94608 E-Mail: mterry@cambria-env.com

Tele: (510) 420-3345 Fax: (510) 420-9170

Project #: 61E-1970 Project Name: 9-6607

Project Location: Alameda

Sampler Signature: Melissa Terry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (602/8020 / 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010) Total Pb	RCI	Other	Comments
COMP 1 ABCD		9-15	1445	4			X				X				X													X			Composite samples for disposal profiling purposes
COMP 2 ABCD		9-16	0900	4			X				X				X													X			

Relinquished By:	Date:	Time:	Received By:
Melissa Terry	9-16	1025	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ VOAS | O&G | METALS | OTHER

GOOD CONDITION ✓ PRESERVATION

HEAD SPACE ABSENT APPROPRIATE

DECHLORINATED IN LAB PERSERVED IN LAB CONTAINERS ✓

Fax results to INM 408-992-1499 & M. Terry 510-420-9170

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/22/04
	Client P.O.:	Date Analyzed: 09/22/04

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F

Work Order: 0409238

Lab ID	Client ID	Matrix	POG	DF	% SS
0409238-002A	Comp2	S	58	1	N/A

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

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
	Client Contact: Melissa Terry	Date Extracted: 09/22/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/22/04-09/23/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0409238

Lab ID	0409238-002A
Client ID	Comp2
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5000	100	50	Acrolein (Propenal)	ND<5000	100	50
Acrylonitrile	ND<2000	100	20	tert-Amyl methyl ether (TAME)	ND<500	100	5.0
Benzene	ND<500	100	5.0	Bromobenzene	ND<500	100	5.0
Bromochloromethane	ND<500	100	5.0	Bromodichloromethane	ND<500	100	5.0
Bromoform	ND<500	100	5.0	Bromomethane	ND<500	100	5.0
2-Butanone (MEK)	ND<2000	100	20	t-Butyl alcohol (TBA)	ND<2500	100	25
n-Butyl benzene	1300	100	5.0	sec-Butyl benzene	ND<500	100	5.0
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<1000	100	10
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0
1,2-Dichlorobenzene	ND<500	100	5.0	1,3-Dichlorobenzene	ND<500	100	5.0
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0
trans-1,3-Dichloropropene	ND<500	100	5.0	Diisopropyl ether (DIPE)	ND<500	100	5.0
Ethylbenzene	820	100	5.0	Ethyl tert-butyl ether (ETBE)	ND<500	100	5.0
Freon 113	ND<10,000	100	100	Hexachlorobutadiene	ND<500	100	5.0
Hexachloroethane	ND<500	100	5.0	2-Hexanone	ND<500	100	5.0
Isopropylbenzene	ND<500	100	5.0	4-Isopropyl toluene	ND<500	100	5.0
Methanol	ND<250,000	100	2500	Methyl-t-butyl ether (MTBE)	ND<500	100	5.0
Methylene chloride	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0
Naphthalene	3700	100	5.0	Nitrobenzene	ND<10,000	100	100
n-Propyl benzene	910	100	5.0	Styrene	ND<500	100	5.0
1,1,1,2-Tetrachloroethane	ND<500	100	5.0	1,1,2,2-Tetrachloroethane	ND<500	100	5.0
Tetrachloroethene	ND<500	100	5.0	Toluene	950	100	5.0
1,2,3-Trichlorobenzene	ND<500	100	5.0	1,2,4-Trichlorobenzene	ND<500	100	5.0
1,1,1-Trichloroethane	ND<500	100	5.0	1,1,2-Trichloroethane	ND<500	100	5.0
Trichloroethene	ND<500	100	5.0	Trichlorofluoromethane	ND<500	100	5.0
1,2,3-Trichloropropane	ND<500	100	5.0	1,2,4-Trimethylbenzene	16,000	100	5.0
1,3,5-Trimethylbenzene	4700	100	5.0	Vinyl Chloride	ND<500	100	5.0
Xylenes	15,000	100	5.0				

Surrogate Recoveries (%)

%SS1:	88.0	%SS2:	99.0
%SS3:	105		

Comments:

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

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

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #61E-1970; 9-6607	Date Sampled: 09/16/04
5900 Hollis St, Suite A		Date Received: 09/16/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/16/04-09/22/04
	Client P.O.:	Date Analyzed: 09/23/04

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0409238-002A					
Client ID	Comp2				S	W
Matrix	S				mg/Kg	mg/L
Extraction Type	TTLC					

ICP Metals, Concentration*

Analytical Method: 6010C Extraction Method: SW3050B Work Order: 0409238

Dilution Factor	1				1	1
Antimony	ND				5.0	NA
Arsenic	ND				5.0	NA
Barium	49				1.5	NA
Beryllium	ND				1.5	NA
Cadmium	ND				1.5	NA
Chromium	36				1.5	NA
Cobalt	4.6				1.5	NA
Copper	13				1.5	NA
Lead	14				5.0	NA
Molybdenum	ND				1.5	NA
Nickel	25				1.5	NA
Selenium	ND				5.0	NA
Silver	ND				1.5	NA
Thallium	ND				5.0	NA
Vanadium	23				5.0	NA
Zinc	34				5.0	NA
%SS:	114					

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B Extraction Method: SW7471B

Dilution Factor	1				1	1
Mercury	ND				0.06	NA
Comments						

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

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument; **special large volume digestion

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0409238

EPA Method: SW8260B Extraction: SW5030B BatchID: 13254 Spiked Sample ID: 0409318-002A

Analyte	Sample µg/Kg	Spiked µg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec.	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
tert-Amyl methyl ether (TAME)	ND	50	84.4	83.8	0.683	80	88	9.46	70	130
Benzene	ND	50	121	116	3.48	113	117	3.40	70	130
t-Butyl alcohol (TBA)	ND	250	86.4	86.9	0.576	94 5	97.4	2 95	70	130
Chlorobenzene	ND	50	101	97 5	3.66	103	109	5.89	70	130
1,2-Dibromoethane (EDB)	ND	50	97.1	96.9	0.173	95.6	102	6.79	70	130
1,2-Dichloroethane (1,2-DCA)	ND	50	114	111	3.20	96.3	99.7	3 51	70	130
1,1-Dichloroethene	ND	50	107	106	0.817	112	115	2.31	70	130
Diisopropyl ether (DIPE)	ND	50	118	117	0.909	105	110	4.64	70	130
Ethyl tert-butyl ether (ETBE)	ND	50	101	100	0.952	100	106	5 44	70	130
Methanol	ND	12500	91.9	87.5	4.96	101	101	0	70	130
Methyl-t-butyl ether (MTBE)	ND	50	92.4	91.6	0.902	101	108	6.76	70	130
Toluene	ND	50	113	109	4.06	103	108	4 76	70	130
Trichloroethene	ND	50	90.4	86.4	4.42	88 6	92.2	4.03	70	130
%SS1	106	50	101	99	1 65	97	95	2.72	70	130
%SS2.	106	50	104	103	0 678	91	96	5 97	70	130
%SS3	121	50	114	116	1 65	105	100	4 85	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail. main@mccampbell.com

QC SUMMARY REPORT FOR SM5520E/F

Matrix: S WorkOrder. 0409238

EPA Method: SM5520E/F	Extraction: PR5520_SG_S	BatchID: 13178	*Spiked Sample ID:* 0409246-001A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec	% RPD	% Rec	% Rec	% RPD	Low	High
POG	ND	100	92	94	2 15	93	92	1.08	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0409238

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD* % RPD	LCS % Rec	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	High
EPA Method: 6010C	Extraction: SW3050B				BatchID: 13168			Spiked Sample ID: 0409246-001A		
Antimony	10.86	50	106	104	1.26	107	109	1.53	80	120
Arsenic	7.035	50	88 5	91.3	2.74	90.7	98 6	8 40	80	120
Barium	35.6	50	89 4	78	7.36	94 4	95 5	1 16	80	120
Beryllium	0 305	50	95.5	96.5	1.04	91.3	94 9	3 87	80	120
Cadmium	ND	50	92 1	97 9	6 11	92 4	99 4	7.25	80	120
Chromium	10.26	50	93.9	96.6	2.38	98	102	4 34	80	120
Cobalt	3.415	50	94.1	92.9	1.25	93.4	92 4	1.13	80	120
Copper	4.365	50	93.5	95	1 46	91.8	95.3	3.69	80	120
Lead	ND	50	93.2	95	1.97	89.7	89.6	0 0558	80	120
Molybdenum	0.1747	50	92.4	92.3	0.162	94 4	100	5.81	80	120
Nickel	11 05	50	91.2	95.6	3 77	98	95.6	2.53	80	120
Selenium	ND	50	87	90	3.45	94 7	99 2	4.64	80	120
Silver	ND	5	99.7	104	4 46	108	111	3.15	80	120
Thallium	1 124	50	85 3	85.7	0.456	86	96	11 1	80	120
Vanadium	30.25	50	94 1	85.4	5 76	90.6	92.4	2.08	80	120
Zinc	21.57	50	92.2	85.3	5 27	87 9	96.6	9.48	80	120
%SS.	106	100	102	108	5.83	103	108	4 44	80	120
EPA Method: SW7471B	Extraction: SW7471B				BatchID: 13271			Spiked Sample ID: 0409348-001A		
Mercury	ND	0.25	99.4	93 9	5 77	86.8	100	14 3	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions.

NONE

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)

* Acceptance Criteria for MS / MSD is between 70% and 130%. 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.

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

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409238 ClientID: CETE

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608

TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #61E-1970; 9-6607
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/16/04
Date Add-On: 9/22/04
Date Printed: 9/22/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409238-002	Comp2	Soil	9/16/04 9:00:00 AM	☐	A	A	A												

Test Legend:

1	5520E_SG_S	2	8260B_S	3	CAM17_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Elisa Venegas

Comments: ON 24HR TAT-CAM17,5520 & VOC ADDED ON 9/22 PER MELISSA ON 24HR

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

CTE 0409238

RUSH!

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ■ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Melissa Terry Bill To: same
Company: Cambria Environmental
5900 Hollis St., Suite A
Emeryville, CA 94608 E-Mail: mterry@cambria-env.com
Tele: (510) 420-3345 Fax: (510) 420-9170
Project #: 61E-1970 Project Name: 9-6607
Project Location: Alameda
Sampler Signature: Melissa Terry

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
COMP 1 ABCD		9-15	1445	4			X				X			
COMP 2 ABCD		9-16	0900	4			X				X			

Analysis Request

BTEX & TPH as Gas (602/8020) (8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F) 9/22	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260 Per Melissa 24hr	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals 9/22 Melissa 24hr	LUFT 5 Metals	Lead (7240/7421/239.2/6010) Total Pb	RCI
X													X	
X		X						X			X		X	

Other: | Comments

Fax results to INM 408-992-1499 & M. Terry 510-420-9170

Composite samples for disposal profiling purposes

Relinquished By:	Date:	Time:	Received By:
Melissa Terry	9-16	1025	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓				
GOOD CONDITION ✓				
HEAD SPACE ABSENT				
DECHLORINATED IN LAB				
PRESERVATION APPROPRIATE ✓				
CONTAINERS ✓				
PERSERVED IN LAB				

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #51E-1970	Date Sampled: 09/27/04
5900 Hollis St, Suite A		Date Received: 09/27/04
Emeryville, CA 94608	Client Contact: Melissa Terry	Date Extracted: 09/27/04
	Client P.O.:	Date Analyzed: 09/27/04-09/28/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0409414

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	hoist#3@11	S	ND	---	ND	ND	ND	ND	1	101
002A	hoist#3@11.5	S	ND	---	ND	ND	ND	ND	1	95.3
003A	COMP3A,B,C,D	S	33,g,m	---	0.030	0.17	0.10	0.16	1	111
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) results are reported by dry weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #51E-1970	Date Sampled: 09/27/04
		Date Received: 09/27/04
5900 Hollis St, Suite A	Client Contact: Melissa Terry	Date Extracted: 09/27/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/27/04

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520E/F — Work Order: 0409414

Lab ID	Client ID	Matrix	POG	DF	% SS
0409414-001A	hoist#3@11	S	61	1	N/A
0409414-002A	hoist#3@11.5	S	ND	1	N/A
0409414-003A	COMP3A,B,C,D	S	3300	1	N/A

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

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor.

= surrogate diluted out of range.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Cambria Env. Technology	Client Project ID: #51E-1970	Date Sampled: 09/27/04
		Date Received: 09/27/04
5900 Hollis St, Suite A	Client Contact: Melissa Terry	Date Extracted: 09/27/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 09/27/04

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0409414-003A				S	W
Client ID	COMP3A,B,C,D				mg/Kg	mg/L
Matrix	S					
Extraction Type	TTLC					

ICP Metals, Concentration*

Analytical Method: 6010C | Extraction Method: SW3050B/SW7471B | Work Order: 0409414

Dilution Factor	1				1	1
Antimony	ND				5.0	NA
Arsenic	ND				5.0	NA
Barium	57				1.5	NA
Beryllium	ND				1.5	NA
Cadmium	ND				1.5	NA
Chromium	30				1.5	NA
Cobalt	4.9				1.5	NA
Copper	13				1.5	NA
Lead	9.6				5.0	NA
Molybdenum	ND				1.5	NA
Nickel	24				1.5	NA
Selenium	ND				5.0	NA
Silver	ND				1.5	NA
Thallium	ND				5.0	NA
Vanadium	23				5.0	NA
Zinc	30				5.0	NA
%SS:	93.7					

Cold Vapor Metals, Concentration*

Analytical Method: SW7471B | Extraction Method: SW3050B/SW7471B

Dilution Factor	1				1	1
Mercury	ND				0.06	NA
Comments						

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

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument; **special large volume digestion

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~1 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0409414

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 13315 Spiked Sample ID: 0409399-010A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	92.8	96.2	3.62	96.2	95.6	0.637	70	130
MTBE	ND	0.10	88 8	94.9	6.63	99.6	92.7	7.21	70	130
Benzene	ND	0.10	97.5	105	7.23	107	104	3.53	70	130
Toluene	ND	0.10	85.2	85	0.192	86.8	83	4.38	70	130
Ethylbenzene	ND	0 10	97.4	104	6.52	103	101	2.34	70	130
Xylenes	ND	0.30	85.3	91	6.43	90.7	90	0.738	70	130
%SS:	83.0	0.10	96	111	14.6	115	112	2.64	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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 = 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.

DHS Certification No. 1644

QA/QC Officer

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SM5520E/F

Matrix: S WorkOrder: 0409414

EPA Method. SM5520E/F Extraction: PR5520_SG_S BatchID: 13328 Spiked Sample ID: 0409414-002A

Analyte	Sample mg/Kg	Spiked mg/Kg	MS* % Rec.	MSD* % Rec.	MS-MSD % RPD	LCS % Rec	LCSD % Rec.	LCS-LCSD % RPD	Acceptance Criteria (%) Low	Acceptance Criteria (%) High
POG	ND	100	93	91	2.17	100	100	0	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions

NONE

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR CAM17

Matrix: S WorkOrder: 0409414

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
EPA Method: 6010C	Extraction: SW3050B			BatchID: 13316			Spiked Sample ID: 0409399-010A			
Antimony	0.4555	50	84.1	88.7	5.32	92.1	88.6	3.93	80	120
Arsenic	4.858	50	87.3	86.6	0.724	86.8	86.4	0.462	80	120
Barium	122	50	NR	NR	NR	91.1	93.1	2.17	80	120
Beryllium	0.4838	50	99.5	100	0.546	94.4	92.3	2.25	80	120
Cadmium	0.06425	50	92.2	90	2.36	89.8	89.4	0.502	80	120
Chromium	36.55	50	110	91.7	10.4	95	94.4	0.633	80	120
Cobalt	7.285	50	93.8	91.6	2.10	91.4	91.3	0.0547	80	120
Copper	9.568	50	96.8	89.8	6.23	90.7	88.7	2.17	80	120
Lead	7.638	50	93.5	91.1	2 23	91	90.4	0.772	80	120
Molybdenum	0.08742	50	93.3	95	1.86	96	95.1	0.890	80	120
Nickel	27.3	50	104	89.4	9.68	94.4	93	1.55	80	120
Selenium	ND	50	91.5	94.6	3.33	90.2	92.2	2.30	80	120
Silver	ND	5	93.8	97.8	4.17	91.6	94.9	3.59	80	120
Thallium	2.013	50	88.9	90.3	1.49	86.4	88.7	2.63	80	120
Vanadium	40.85	50	112	84.4	15.2	86.4	86.5	0.174	80	120
Zinc	29	50	128	105	13.1	91.3	92.6	1.41	80	120
%SS:	100	100	99	95	3.68	101	97	4.10	80	120
EPA Method: SW7471B	Extraction: SW7471B			BatchID: 13314			Spiked Sample ID: 0409396-010A			
Mercury	ND	0.25	114	104	8.36	86.1	84.1	2.27	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

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)

* Acceptance Criteria for MS / MSD is between 70% and 130%. 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.

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0409414 **ClientID: CETE**

Report to:
Melissa Terry
Cambria Env. Technology
5900 Hollis St, Suite A
Emeryville, CA 94608
TEL: (510) 420-0700
FAX: (510) 420-9170
ProjectNo: #51E-1970
PO:

Bill to:
Accounts Payable
Cambria Env. Technology
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 9/27/04
Date Printed: 9/27/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0409414-001	hoist#3@11	Soil	9/27/04 10:00:00	☐	A		A												
0409414-002	hoist#3@11.5	Soil	9/27/04 10:10:00	☐	A		A												
0409414-003	COMP3A,B,C,D	Soil	9/27/04 10:15:00	☐	A	A	A												

Test Legend:

1	5520E_SG_S	2	CAM17_S	3	G-MBTEX_S	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments: 24 TAT

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

Coelt

RUSH!

040914

McCAMPBELL ANALYTICAL, INC.

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Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Melissa Terry	Bill To: Same
Company: Cambria Environmental	
5900 Hollis St., Suite A	
Emeryville, CA	E-Mail: mterry@cambria-env.com
Tele: (510) 420-3345	Fax: (510) 420 9170
Project #: 51E-1970	Project Name: 51E-1970
Project Location: Alameda	
Sampler Signature: Melissa Terry	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010 / 8021	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8081	EPA 608 / 8082 PCB's ONLY	EPA 8140 / 8141	EPA 8150 / 8151	EPA 524.2 / 624 / 8260	EPA 525 / 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals (6010 / 6020)	LUFT 5 Metals (6010 / 6020)	Lead (200.8 / 200.9 / 6010)	Other	Comments
hoist#3@11		9/27/04	1000	1			X				X				X		X															
hoist#3@115		9/27/04	1010	1			X				X				X		X															
COMP3A,B,C,D		9/27	1015	4			X				X				X		X											X				

Relinquished By: Melissa Terry Date: 9/27/04 Time: 1115 Received By:

Relinquished By: Date: Time: Received By:

Relinquished By: Date: Time: Received By:

COMMENTS:

ICE/t° ✓
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

ATTACHMENT C

Third Quarter 2004 Groundwater Monitoring and Sampling

GETTLER-RYAN INC.

TRANSMITTAL

September 15, 2004
G-R #386502

TO: Mr. Bruce Eppler
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Suite 12
Rocklin, California 95677

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-6607
2340 Otis Drive
Alameda, California
MTI: 61D-1970

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 14, 2004	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 13, 2004

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following**:

Ms. Karen Streich, ChevronTexaco Company, P.O. Box 6012, Room K2256, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***October 6, 2004,*** at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Wayne Weber, Chevron Station #9-6607, 2340 Otis Dr., Alameda, CA 94501
Harsh Investment Corp., 523 West Plaza, South Shore Center, Alameda, CA 94501

Enclosures

trans/9-6607-ks

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

GETTLER-RYAN INC.

September 14, 2004
G-R Job #386502

Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

RE: Third Quarter Event of August 13, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

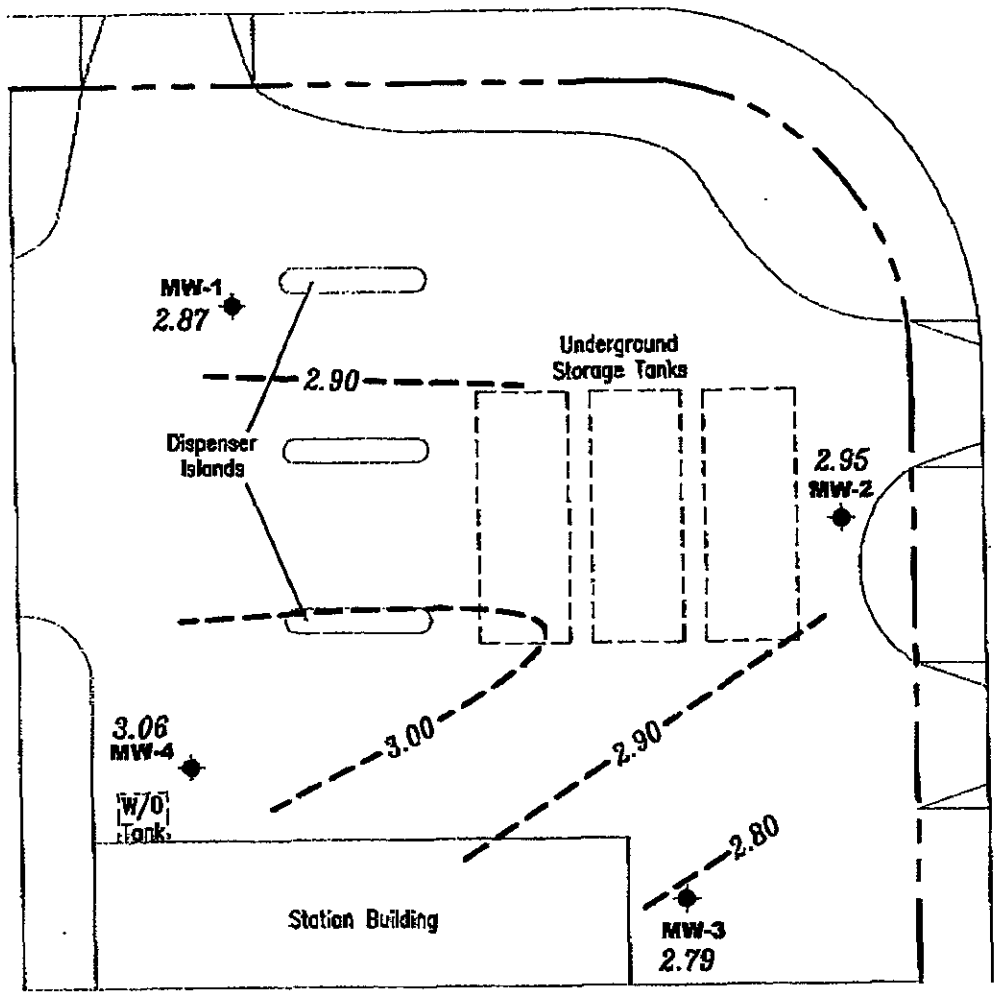
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

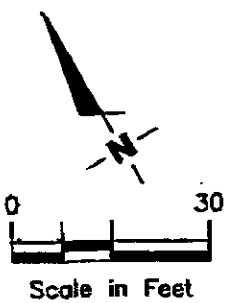
Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 Groundwater elevation contour, dashed where inferred

Groundwater flow direction varies at a gradient of 0.003 to 0.005 Ft./Ft.



Source: Figure modified from drawing provided by Gettler - Ryan Inc.

FIGURE 1

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386502		August 13, 2004	

FILE NAME: P:\Enviro\Chevron\9-6607\004-9-6607.DWG | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1											
08/21/91	7.12	6.10	1.02	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/09/92	7.12	3.96	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
04/20/92	7.12	3.90	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/25/92	7.12	4.18	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/24/92	7.12	4.72	2.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/21/93	7.12	3.18	3.94	--	<50	<0.5	0.7	<0.5	1.0	--	--
04/13/93	7.12	3.70	3.42	--	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/93	7.12	4.21	2.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/93	7.12	4.28	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/94	7.12	4.16	2.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/31/94	7.12	3.88	3.24	--	<50	<0.5	0.6	<0.5	0.7	--	--
07/14/94	7.12	3.00	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/94[1]	7.12	4.25	2.87	--	80	<0.5	<0.5	<0.5	<0.5	121	--
01/11/95	7.12	3.12	4.00	--	<50	<0.5	<0.5	<0.5	<0.5	130	--
04/05/95[3]	7.12	3.46	3.66	--	<50	<0.5	<0.5	<0.5	<0.5	170	--
07/13/95	7.12	3.99	3.13	--	<125	<1.2	<1.2	<1.2	<1.2	400	--
10/05/95	7.12	4.38	2.74	--	<50	<0.5	2.3	0.66	4.0	300	--
10/03/96	7.12	4.44	2.68	--	<50	0.63	<0.5	<0.5	<0.5	560	--
01/22/97	7.12	3.39	3.73	--	<200	<2.0	<2.0	<2.0	<2.0	530/880[5]	--
04/09/97[6]	6.92	3.70	3.22	--	<125	<1.2	<1.2	<1.2	<1.2	610	--
07/09/97	6.92	3.87	3.05	--	240	47	<2.0	<2.0	<2.0	990	--
10/16/97	6.92	3.97	2.95	--	250	<2.0	<2.0	<2.0	<2.0	1,000	--
01/08/98	6.92	3.45	3.47	--	<200	<2.0	<2.0	<2.0	<2.0	--[8]	--
04/24/98	6.92	3.61	3.31	--	170	20	<0.5	<0.5	<0.5	1,700	--
07/15/98	6.92	3.85	3.07	--	160	58	1.1	<0.5	0.59	1,500/1,600[5]	--
10/27/98	6.92	4.12	2.80	--	140	<0.5	<0.5	<0.5	<0.5	1,200	--
01/20/99	6.92	4.48	2.44	--	<250	<2.5	<2.5	<2.5	<2.5	1,330	--
04/19/99	6.92	2.71	4.21	--	150	73	<0.5	<0.5	<0.5	620	--
07/29/99	6.92	3.97	2.95	--	142	<0.5	0.82	<0.5	2.08	824	--
10/25/99	6.92	4.06	2.86	--	<200	<2.0	<2.0	<2.0	<2.0	972	--
01/24/00	6.92	2.89	4.03	--	143	<0.5	<0.5	<0.5	<0.5	1,170	--
04/03/00	6.92	3.60	3.32	--	130[9]	22	<0.50	<0.50	<0.50	550	--
07/03/00	6.92	4.06	2.86	--	180[9]	12	<1.0	<1.0	<1.0	850	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1 (cont)											
10/02/00[11]	6.92	4.03	2.89	--	120[10]	<0.50	<0.50	<0.50	<0.50	520	--
01/09/01	6.92	4.07	2.85	--	<250	<2.5	<2.5	<2.5	<2.5	510	--
04/09/01	6.92	3.57	3.35	--	120	<0.500	<2.00	<0.500	<2.00	683	--
08/23/01	6.92	3.90	3.02	--	<50	<0.50	<0.50	<0.50	<0.50	350	--
11/27/01	6.92	3.90	3.02	--	270	<0.50	<0.50	<0.50	<1.5	280	--
02/26/02	6.92	3.51	3.41	--	820	<0.50	<0.50	<0.50	<1.5	1,600	--
05/22/02	6.92	3.78	3.14	--	350	<0.50	<0.50	<0.50	<1.5	1,100/1,000[12]	--
08/15/02	6.92	4.01	2.91	--	460	<0.50	<0.50	<0.50	<1.5	820/850[12]	--
11/14/02	6.92	3.91	3.01	--	100	<0.50	<0.50	<0.50	<1.5	310/290[12]	--
02/03/03	6.92	3.71	3.21	--	300	<0.50	<0.50	<0.50	<1.5	650/780[12]	--
05/09/03	6.92	3.95	2.97	--	330	<0.5	<0.5	<0.5	<1.5	810/740[12]	--
08/15/03[13]	6.92	4.02	2.90	--	51	<0.5	<0.5	<0.5	<0.5	110	--
11/14/03[13]	6.92	4.08	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	11	--
02/13/04[13]	6.92	3.59	3.33	--	170	<0.5	<0.5	<0.5	<0.5	410	--
05/14/04[13]	6.92	4.09	2.83	--	83	2	<0.5	<0.5	<0.5	250	--
08/13/04[13]	6.92	4.05	2.87	--	<50	<0.5	<0.5	<0.5	<0.5	78	--
MW-2											
08/21/91	7.43	6.40	1.03	--	430	170	0.9	1.0	3.6	--	--
01/09/92	7.43	4.23	3.20	--	58	16	<0.5	<0.5	<0.5	--	<5,000
04/20/92	7.43	4.17	3.26	--	180	9.6	<0.5	0.8	<0.5	--	--
07/25/92	7.43	4.47	2.96	--	220	8.0	0.7	4.0	8.6	--	--
11/24/92	7.43	5.82	1.61	--	72	3.2	<0.5	0.5	0.6	--	--
01/21/93	7.43	3.35	4.08	--	<50	0.8	<0.5	<0.5	<0.5	--	--
04/13/93	7.43	4.02	3.41	--	78	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	7.43	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/93	7.43	4.56	2.87	--	<50	<0.5	0.9	<0.5	0.6	--	--
01/11/94	7.43	4.39	3.04	--	<50	<0.5	1.0	<0.5	<0.5	--	--
03/31/94	7.43	4.18	3.25	--	<50	0.5	<0.5	<0.5	0.8	--	--
07/14/94	7.43	4.90	2.53	--	<50	<0.5	<0.5	<0.5	0.6	--	--
10/12/94[2]	7.43	4.54	2.89	--	<50	<0.5	<0.5	<0.5	<0.5	2,900	--
01/11/95	7.43	3.26	4.17	--	<50	<0.5	<0.5	<0.5	<0.5	2,500	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ DATE	TOC[4] (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2 (cont)											
04/05/95[5]	7.43	3.65	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
07/13/95	7.43	4.31	3.12	--	<250	<2.5	<2.5	<2.5	<2.5	1,100	--
10/05/95	7.43	4.68	2.75	--	<50	<0.5	1.9	0.54	3.4	280	--
10/03/96	7.43	4.80	2.63	--	<500	<5.0	<5.0	<5.0	<5.0	1,000	--
01/22/97	7.43	3.36	4.07	--	540[7]	<5.0	<5.0	<5.0	<5.0	1,300/1,600[5]	--
04/09/97	7.43	4.25	3.18	--	<500	<5.0	<5.0	<5.0	<5.0	970	--
07/09/97	7.43	4.48	2.95	--	<125	<1.2	<1.2	<1.2	<1.2	710	--
10/16/97	7.43	4.44	2.99	--	<100	<1.0	<1.0	<1.0	<1.0	1,000	--
01/08/98	7.43	3.79	3.64	--	68	<0.5	<0.5	<0.5	<0.5	--[8]	--
04/24/98	7.43	3.95	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	490	--
07/15/98	7.43	4.30	3.13	--	51	1.2	1.2	<0.5	<0.5	480	--
10/27/98	7.43	4.45	2.98	--	<50	<0.5	<0.5	<0.5	<0.5	180	--
01/20/99	7.43	4.21	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	388	--
04/19/99	7.43	4.38	3.05	--	620	13	35	11	78	510	--
07/29/99	7.43	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	229	--
10/25/99	7.43	4.55	2.88	--	<50	<0.5	<0.5	<0.5	<0.5	314	--
01/24/00	7.43	2.82	4.61	--	<50	<0.5	<0.5	<0.5	<0.5	236	--
04/03/00	7.43	4.05	3.38	--	<50	<0.50	<0.50	<0.50	<0.50	420	--
07/03/00	7.43	4.52	2.91	--	140[9]	<0.50	<0.50	<0.50	0.88	1,300	--
10/02/00	7.43	4.55	2.88	--	<1,000	<10	<10	<10	<10	1,300	--
01/09/01	7.43	4.45	2.98	--	<1,000	<10	<10	<10	<10	1,100	--
04/09/01	7.43	3.96	3.47	--	214	<0.500	<2.00	0.512	<2.00	1,770	--
08/23/01	7.43	4.38	3.05	--	130	24	<0.50	<0.50	<0.50	440	--
11/27/01	7.43	4.25	3.18	--	650	<0.50	<0.50	<0.50	<1.5	770	--
02/26/02	7.43	3.98	3.45	--	160	<0.50	<0.50	<0.50	<1.5	470	--
05/22/02	7.43	4.23	3.20	--	86	<0.50	<0.50	<0.50	<1.5	320/300[12]	--
08/15/02	7.43	4.52	2.91	--	66	<0.50	<0.50	<0.50	<1.5	260/290[12]	--
11/14/02	7.43	4.29	3.14	--	<50	<0.50	<0.50	<0.50	<1.5	120/120[12]	--
02/03/03	7.43	4.10	3.33	--	80	<0.50	<0.50	<0.50	<1.5	190/200[12]	--
05/09/03	7.43	4.18	3.25	--	94	<0.5	<0.5	<0.5	<1.5	190/150[12]	--
08/15/03[13]	7.43	4.45	2.98	--	240	<1	<1	<1	<1	740	--
11/14/03[13]	7.43	4.51	2.92	--	<50	<0.5	<0.5	<0.5	<0.5	9	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2 (cont)											
02/13/04[13]	7.43	4.05	3.38	--	<50	<0.5	<0.5	<0.5	<0.5	29	--
05/14/04[13]	7.43	4.51	2.92	--	<50	<0.5	<0.5	<0.5	<0.5	14	--
08/13/04[13]	7.43	4.48	2.95	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW-3											
08/21/91	8.07	7.10	0.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/09/92	8.07	5.03	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
04/20/92	8.07	4.91	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/25/92	8.07	5.34	2.73	--	<50	1.0	1.0	1.0	3.4	--	--
11/24/92	8.07	5.00	3.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/21/93	8.07	4.34	3.73	--	<50	<0.5	0.5	<0.5	1.0	--	--
04/13/93	8.07	4.84	3.23	--	<50	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	8.07	5.29	2.78	--	<50	<0.5	<0.5	<0.5	2.0	--	--
10/26/93	8.07	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/94	8.07	5.22	2.85	--	<50	<0.5	1.0	<0.5	<0.5	--	--
03/31/94	8.07	4.99	3.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/94	8.07	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/94	8.07	5.02	3.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/95	8.07	4.35	3.72	--	<50	<0.5	<0.5	<0.5	0.7	<5.0	--
04/05/95[3]	8.07	2.64	5.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
07/13/95	8.07	5.13	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/95	8.07	5.46	2.61	--	<50	<0.5	1.2	<0.5	<0.5	--	--
10/03/96	8.07	5.53	2.54	--	<50	0.98	1.2	0.53	2.5	<2.5	--
01/22/97	8.07	4.62	3.45	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/09/97[6]	8.00	5.05	2.95	SAMPLED ANNUALLY		--	--	--	--	--	--
07/09/97	8.00	5.14	2.86	--	--	--	--	--	--	--	--
10/16/97	8.00	5.20	2.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/08/98	8.00	4.75	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	9.3	--
04/24/98	8.00	4.73	3.27	--	--	--	--	--	--	--	--
07/15/98	8.00	5.07	2.93	--	--	--	--	--	--	--	--
10/27/98	8.00	5.24	2.76	--	--	--	--	--	--	--	--
01/20/99	8.00	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	42.2	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3 (cont)												
04/19/99		8.00	4.26	3.74	--	--	--	--	--	--	--	--
07/29/99		8.00	5.18	2.82	--	--	--	--	--	--	--	--
10/25/99		8.00	5.27	2.73	--	--	--	--	--	--	--	--
01/24/00		8.00	4.22	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	71.1	--
04/03/00		8.00	4.90	3.10	--	--	--	--	--	--	--	--
07/03/00	NI[9]	8.00	5.25	2.75	--	--	--	--	--	--	--	--
10/02/00		8.00	5.29	2.71	--	--	--	--	--	--	--	--
01/09/01		8.00	5.27	2.73	--	<50	<0.50	<0.50	<0.50	<0.50	120	--
04/09/01		8.00	4.81	3.19	--	--	--	--	--	--	--	--
08/23/01		8.00	5.24	2.76	--	--	--	--	--	--	--	--
11/27/01		8.00	5.14	2.86	SAMPLED ANNUALLY		--	--	--	--	--	--
02/26/02		8.00	4.78	3.22	--	<50	<0.50	<0.50	<0.50	<1.5	190	--
05/22/02		8.00	5.03	2.97	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/02		8.00	5.27	2.73	SAMPLED ANNUALLY		--	--	--	--	--	--
11/14/02		8.00	5.08	2.92	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]	--
02/03/03		8.00	4.88	3.12	--	<50	<0.50	<0.50	<0.50	<1.5	82/88[12]	--
05/09/03		8.00	5.10	2.90	--	<50	<0.5	<0.5	<0.5	<1.5	150/100[12]	--
08/15/03[13]		8.00	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	190	--
11/14/03[13]		8.00	5.23	2.77	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	--
02/13/04[13]		8.00	4.86	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	36	--
05/14/04[13]		8.00	5.25	2.75	--	<50	<0.5	<0.5	<0.5	<0.5	5	--
08/13/04[13]		8.00	5.21	2.79	--	<50	<0.5	<0.5	<0.5	<0.5	2	--
MW-4												
08/21/91		7.85	6.85	1.00	--	<50	0.6	<0.5	<0.5	<0.5	--	<5,000
01/09/92		7.85	4.70	3.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
04/20/92		7.85	4.64	3.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
07/25/92		7.85	4.95	2.90	78	<50	0.5	1.1	<0.5	0.8	--	--
11/24/92		7.85	5.42	2.43	--	<50	<0.5	<0.5	<0.5	1.0	--	<5,000
01/21/93		7.85	4.07	3.78	<10	<50	<0.5	0.5	<0.5	0.7	--	--
04/13/93		7.85	4.45	3.40	<10	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/93		7.85	4.90	2.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ DATE		TOC[a] (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4 (cont)												
10/26/93		7.85	4.95	2.90	--	<50	2.0	3.0	2.0	3.0	--	--
01/11/94		7.85	4.77	3.08	--	<50	<0.5	0.5	<0.5	<0.5	--	--
03/31/94		7.85	4.65	3.20	--	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/94		7.85	5.05	2.80	--	<50	0.9	1.2	<0.5	2.0	--	--
10/12/94		7.85	4.88	2.97	--	<50	<0.5	0.9	<0.5	0.7	--	--
01/11/95		7.85	4.00	3.85	--	<50	<0.5	0.8	0.7	1.5	<5.0	--
04/05/95[4]		7.85	4.22	3.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<5,000
07/13/95		7.85	4.71	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/95		7.85	5.02	2.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/03/96		7.85	5.08	2.77	--	100	5.5	5.6	2.5	12	<2.5	--
01/22/97		7.85	4.28	3.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/09/97		7.85	4.60	3.25	SAMPLED ANNUALLY		--	--	--	--	--	--
07/09/97		7.85	4.79	3.06	--	--	--	--	--	--	--	--
10/14/97		7.85	4.81	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	--
01/08/98		7.85	4.37	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/98		7.85	4.34	3.51	--	--	--	--	--	--	--	--
07/15/98		7.85	4.46	3.39	--	--	--	--	--	--	--	--
10/27/98		7.85	4.52	3.33	--	--	--	--	--	--	--	--
01/20/99		7.85	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/19/99		7.85	4.07	3.78	--	--	--	--	--	--	--	--
04/19/99		7.85	4.87	2.98	--	--	--	--	--	--	--	--
10/25/99		7.85	4.90	2.95	--	--	--	--	--	--	--	--
01/24/00		7.85	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/00		7.85	4.38	3.47	--	--	--	--	--	--	--	--
07/03/00	NP	7.85	4.88	2.97	--	--	--	--	--	--	--	--
10/02/00		7.85	4.89	2.96	--	--	--	--	--	--	--	--
01/09/01		7.85	4.93	2.92	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
04/09/01		7.85	4.48	3.37	--	--	--	--	--	--	--	--
08/23/01		7.85	4.85	3.00	--	--	--	--	--	--	--	--
11/27/01		7.85	4.80	3.05	SAMPLED ANNUALLY		--	--	--	--	--	--
02/26/02		7.85	4.40	3.45	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/22/02		7.85	4.64	3.21	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/02		7.85	4.91	2.94	SAMPLED ANNUALLY		--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4 (cont)											
11/14/02	7.85	4.73	3.12	SAMPLED ANNUALLY		--	--	--	--	--	--
02/03/03	7.85	4.52	3.33	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[12]	--
05/09/03	7.85	4.75	3.10	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/03	7.85	4.82	3.03	SAMPLED ANNUALLY		--	--	--	--	--	--
11/14/03	7.85	4.85	3.00	SAMPLED ANNUALLY		--	--	--	--	--	--
02/13/04[13]	7.85	4.52	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	4	--
05/14/04	7.85	4.87	2.98	SAMPLED ANNUALLY		--	--	--	--	--	--
08/13/04[13]	**7.85**	**4.79**	**3.06**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**2**	**--**
TRIP BLANK											
TB-LB											
01/21/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/13/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/05/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/13/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/03/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/22/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/08/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/15/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/27/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TRIP BLANK (cont)											
01/20/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/25/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/24/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
07/03/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
10/02/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
01/09/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
04/09/01	--	--	--	--	<50.0	<0.500	<2.00	<0.500	<2.00	<0.500	--
08/23/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA											
11/27/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/26/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/22/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/14/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/09/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/15/03[13]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03[13]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04[13]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/14/04[13]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/13/04[13]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to April 3, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean sea level
TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

TOG = Total Oil and Grease
(ppb) = Parts per billion
NP = No Purge
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations are relative to msl.

1 Laboratory report indicates Volatile Organic Compounds (VOCs) were <5.0-<50 ppb.
2 Laboratory report indicates VOCs were <50-<500 ppb.
3 Laboratory report indicates Polynuclear Aromatics (PNAs) were <5.0 ppb.
4 Laboratory report indicates VOCs were <5.0 ppb.
5 Confirmation of MTBE.
6 Wellhead elevation altered due to maintenance.
7 Chromatogram pattern indicates an unidentified hydrocarbon.
8 No value for MTBE could be determined; see laboratory report.
9 Laboratory report indicates gasoline C6-C12.
10 Laboratory report indicates unidentified hydrocarbons C6-C12.
11 Laboratory report indicates this sample was analyzed outside the EPA recommended holding time.
12 MTBE by EPA Method 8260.
13 BTEX and MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/22/02	<500	<100	1,000	<2	<2	410	<2	<2
	08/15/02	<500	<100	850	<2	<2	290	<2	<2
	11/14/02	<500	<100	290	<2	<2	83	<2	<2
	02/03/03	<50	24	780	<0.5	<0.5	240	<0.5	<0.5
	05/09/03	<50	44	740	<0.5	<0.5	220	<0.5	<0.5
	08/15/03	<50	20	110	<0.5	<0.5	10	<0.5	<0.5
	11/14/03	<50	<5	11	<0.5	<0.5	0.8	<0.5	<0.5
	02/13/04	<50	23	410	<0.5	<0.5	120	<0.5	<0.5
	05/14/04	<50	9	250	<0.5	<0.5	69	<0.5	<0.5
	08/13/04	<50	<5	78	<0.5	<0.5	17	<0.5	<0.5
MW-2	05/22/02	<500	130	300	<2	<2	28	<2	<2
	08/15/02	<500	<100	290	<2	<2	23	<2	<2
	11/14/02	<500	<100	120	<2	<2	7	<2	<2
	02/03/03	<50	55	200	<0.5	<0.5	22	<0.5	<0.5
	05/09/03	<50	38	150	<0.5	<0.5	15	<0.5	<0.5
	08/15/03	<100	<10	740	<1	<1	200	<1	<1
	11/14/03	<50	<5	9	<0.5	<0.5	<0.5	<0.5	<0.5
	02/13/04	<50	11	29	<0.5	<0.5	2	<0.5	<0.5
	05/14/04	<50	<5	14	<0.5	<0.5	<0.5	<0.5	<0.5
	08/13/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	11/14/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/03/03	<50	<5	88	<0.5	<0.5	1	<0.5	<0.5
	05/09/03	<50	<5	100	<0.5	<0.5	2	<0.5	<0.5
	08/15/03	<50	<5	190	<0.5	<0.5	4	<0.5	<0.5
	11/14/03	<50	<5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
	02/13/04	<50	<5	36	<0.5	<0.5	0.5	<0.5	<0.5
	05/14/04	<50	<5	5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/13/04	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-4	02/03/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	05/09/03	SAMPLED ANNUALLY		--	--	--	--	--	--
	02/13/04	<50	<5	4	<0.5	<0.5	1	<0.5	<0.5
	08/13/04	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607 Job Number: 386502
Site Address: 2340 Otis Drive Event Date: 8-13-04 (inclusive)
City: Alameda, CA Sampler: SDC

Well ID MW-1 Date Monitored: 8-13-04 Well Condition: O.K.
Well Diameter 4 in.
Total Depth 22.94 ft.
Depth to Water 4.05 ft.
18.89 xVF 0.66 = 12.47 x3 case volume= Estimated Purge Volume: 37 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 6 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1255 Weather Conditions: clear
Sample Time/Date: 1330 8-13-04 Water Color: clear Odor: none
Purging Flow Rate: 3 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) x 100	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1308	12	7.43	6.13	71.2		
1313	25	7.45	6.12	69.8		
1320	37	7.48	6.09	70.6		

low recovery

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607 Job Number: 386502
Site Address: 2340 Otis Drive Event Date: 8-13-04 (inclusive)
City: Alameda, CA Sampler: JDC

Well ID MW-3 Date Monitored: 8-13-04 Well Condition: O.K.
Well Diameter 4 in.
Total Depth 23.55 ft.
Depth to Water 5.21 ft.
18.34 xVF 0.66 = 12.10 x3 case volume= Estimated Purge Volume: 36 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump ✓
Grundfos
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1057 Weather Conditions: clear
Sample Time/Date: 1136 / 8-13-04 Water Color: clear Odor: none
Purging Flow Rate: 2.5 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1108	12	7.38	3.50	69.0		
slow recovery 1113	24	7.47	3.58	70.4		
1121	36	7.41	3.64	71.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories — Where quality is a science.

081604-06

Acct. #: 10904 — For Lancaster Laboratories use only — Sample #: 433321D-21Y — Group# 908302 — SCR#:

Cambria MTI Project #: 61D-1970

Facility #: SS#9-6607 G-R#386502 Global ID#T0600100316

Site Address: 2340 OTIS DRIVE, ALAMEDA, CA

Chevron PM: MTI — Lead Consultant: CAMBRIA

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568

Consultant Prj. Mgr: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 — Fax #: 925-551-7899

Sampler: JOE ASEMIAN

Service Order #: ____ ☐ Non SAR: ____

Matrix

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable ☐ NPDES ☐ Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	☒ Oxygenates (8260)	Lead 7420 ☐ 7421 ☐
QA	—	—	✓			✓		2	✓	✓				
MW-1	8-13-04	1330						6	✓	✓			✓	
MW-2	"	1245						6	✓	✓			✓	
MW-3	"	1136						6	✓	✓			✓	
MW-4	"	1040						6	✓	✓			✓	

Analyses Requested

Preservation Codes

H H H

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

Comments / Remarks

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) — EDF/EDD
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
	8-13-04	1435		8/16/04	0900
	8/16/04	0835		8/16/04	0835
	8/17/04	1530	DHL	8/17/04	

Relinquished by Commercial Carrier: UPS — FedEx — Other

Temperature Upon Receipt: 3.1 °C

Received by: — Custody Seals Intact? Yes — No — Date: 8/18/04 — Time: 0855

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.

3460 Rev. 7/30/01

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

Victoria M. Martell
Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4333211

MW-1-W-040813 Grab Water
Facility# 96607 Job# 386502 MTI# 61D-1970 GRD
2340 Otis Dr-Alameda T0600100316 MW-1
Collected:08/13/2004 13:30 by JA

Account Number: 10904

ChevronTexaco c/o Cambria
Suite 9
4111 Citrus Avenue
Rocklin CA 95677

Submitted: 08/18/2004 08:55
Reported: 08/24/2004 at 19:02
Discard: 09/24/2004

OTIM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	78.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	17.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/19/2004 20:55	Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	Method SW-846 8260B	1	08/22/2004 22:41	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/19/2004 20:55	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/22/2004 22:41	Marc S Neal	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria
Reported: 08/24/04 at 07:03 PM

Group Number: 908302

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: 04232A08B	Sample number(s): 4333210-4333214							
TPH-GRO - Waters	N.D.	50.	ug/l	108	107	70-130	1	30
Batch number: Z042351AA	Sample number(s): 4333210							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	95		85-117		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	102		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		
Batch number: Z042352AA	Sample number(s): 4333211-4333214							
Ethanol	N.D.	50.	ug/l	103		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	96		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	93		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	87		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	80		57-141		
Benzene	N.D.	0.5	ug/l	91		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	102		77-132		
Toluene	N.D.	0.5	ug/l	89		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	93		81-114		
Ethylbenzene	N.D.	0.5	ug/l	91		82-119		
Xylene (Total)	N.D.	0.5	ug/l	88		83-113		

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: 04232A08B	Sample number(s): 4333210-4333214								
TPH-GRO - Waters	100		63-154						
Batch number: Z042351AA	Sample number(s): 4333210								
Methyl Tertiary Butyl Ether	90	92	69-134	1	30				
Benzene	100	100	83-128	0	30				
Toluene	102	102	83-127	0	30				
Ethylbenzene	101	102	82-129	1	30				
Xylene (Total)	97	98	82-130	1	30				
Batch number: Z042352AA	Sample number(s): 4333211-4333214								
Ethanol	68	87	33-153	24	30				
Methyl Tertiary Butyl Ether	95	97	69-134	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.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco c/o Cambria

Group Number: 908302

Reported: 08/24/04 at 07:03 PM

Surrogate Quality Control

MSD	100	108	100	102
Limits:	81-120	62-112	66-112	83-113

*- 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.