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R0143 ✓

October 14, 2004

Mr. Barney Chan
Alameda County Department of Environmental Health (ACDEH)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: Subsurface Investigation Report
Former Chevron Station 9-0020
1633 Harrison Street
Oakland, California
Cambria Project No. 31D-1956
Fuel Leak Case No. RO0000143

Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) is submitting this Subsurface Investigation Report on behalf of Chevron Environmental Management Company (ChevronTexaco). This investigation was requested in the ACDEH letter dated November 18, 2003 (Attachment A). The main objective of this investigation was to characterize the hydrocarbon impact to soil at the site for use in profiling soil for excavation during planned redevelopment of the site. The site background, investigation results, and conclusions are presented below.

SITE BACKGROUND

The site is a former Chevron service station located at the southwest corner of the intersection of Harrison Street and 17th Street in Oakland, California (Figure 1). The site is located in downtown Oakland in an area of commercial and multi-unit residential land use. Chevron operated a service station on the site until 1972. There have been at least two different configurations of the facilities at the site. All facilities were removed at the time of station closure. Since December 1, 1975, the site has been used as a parking lot currently operated by Central Parking. The site is slated for future redevelopment as a multi-story senior housing facility. Local topography is flat and the site is approximately 40 feet above mean sea level. Lake Merritt is the nearest body of water, located approximately 1,600 feet east of the site. Oakland Inner Harbor is located approximately 4,750 feet southwest of the site.

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

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Groundwater

Historical depth to groundwater onsite has ranged from approximately 11.5 to 22 feet below grade (fbg). Groundwater flow direction is typically east/northeast with a gradient of approximately 0.008 to 0.01 ft/ft. Based on the topography and natural drainage patterns in the area, the regional groundwater flow direction appears to be towards Lake Merritt (Figure 1).

Geology

The site is underlain by Holocene and Pleistocene Merritt sands. Unconsolidated sediments beneath the site and site vicinity consist primarily of silty sands with some intermittent sandy, clayey and gravelly silts to approximately 30 fbg.

Previous Investigations

A total of 24 soil borings have been advanced both onsite and offsite; 16 of these borings were converted to groundwater monitoring wells. Eleven of the wells have been destroyed. Figure 2 shows the locations of these borings, wells and former wells.

1988 Soil Vapor Survey Investigation: A soil vapor survey was conducted at the site in January 1988. Twenty-two samples were collected at eleven locations around the site. The highest petroleum hydrocarbon concentrations were detected in the vicinity of the former used-oil underground storage tank (UST) in the western central portion of the site.

1988 Monitoring Well Installation: Western Geologic Resources (WGR) installed wells MW-1 through MW-3 in October 1988. BTEX and total fuel hydrocarbons were not detected in groundwater samples. However, halogenated volatile organic compounds (HVOCs) were detected. These compounds were later identified as originating from another source, likely one of several nearby former dry cleaners.

1989 Soil Boring and Monitoring Well Installation: WGR advanced five soil borings and wells MW-4 through MW-8 in April 1989. Total petroleum hydrocarbons as diesel (TPHd) was detected at concentrations up to 600 milligrams per kilogram (mg/kg) at 9.6 feet near the former used-oil UST. Total petroleum hydrocarbons as gasoline (TPHg) was detected at a reported concentration of 50,000 mg/kg at 23.5 feet below grade (fbg) in MW-7 near the northeastern corner of the property.

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1990 Offsite Well Installation: WGR installed offsite wells MW-9 through MW-12 in June 1990 to delineate the extent of hydrocarbons down-gradient and cross-gradient of the site. No petroleum hydrocarbons were detected in any soil samples collected during this investigation. However, a groundwater sample from well MW-9 contained 5,700 micrograms per liter (µg/L) TPHg and 47 µg/L benzene. Offsite wells MW-10 through MW-12 contained HVOCs which have been determined to have originated from other sources in the area.

1991 Offsite Well Installation: In October 1991, Pacific Environmental Group (PEG) installed well MW-13 to further evaluate the extent of the dissolved petroleum hydrocarbon plume and up-gradient well MW-14 to investigate suspected (subsequently confirmed) offsite origination of HVOCs. Additionally, soil borings B-A through B-D were drilled to assess the extent of petroleum hydrocarbons in the vicinity of MW-7 due to the reported soil sample concentration of 50,000 mg/kg TPHg at 23.5 fbg in well MW-7. Only B-D contained detected petroleum hydrocarbons at 120 mg/kg TPHg from 25 to 26.5 fbg.

1992 Offsite Well Installation: Groundwater Technology Inc. (GTI) installed offsite wells MW-15 and MW-16 to further delineate the dissolved petroleum hydrocarbon plume. No petroleum hydrocarbons were detected in soil samples collected at 20 and 30 fbg in well MW-15 or at 10 and 20 fbg in well MW-16.

1992 Soil Excavation: In November and December 1992, PEG oversaw removal of petroleum hydrocarbon impacted soil from the vicinity of well MW-4 and an excavation of a 30-foot long by 5-foot deep trench across the area of the former USTs to confirm that the USTs had been removed from the site. Removal of the USTs was confirmed. However, construction debris such as concrete slabs and piping were observed beneath the surface in the area of the former USTs.

1993 SVE Remediation System Installation and Operation: A soil vapor extraction system was installed and operated at the site from July 1, 1993 through December 12, 1993. Evaluation of the system showed minimal effectiveness. Augmentation of the system with additional wells was evaluated and, due to low permeability soils, it was determined that efficiency would not be appreciably enhanced. The system was shut down in December 1993 and all system equipment was removed in December 1996.

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CURRENT INVESTIGATION

Cambria's main objective of this investigation was to characterize the hydrocarbon impact to soil at the site for use in profiling soil for excavation and disposal. Additional objectives were to confirm soil hydrocarbon concentrations near well MW-7 at 19 and 23.5 fbg, remove ORC socks from well MW-7 and redevelop and sample it to provide more representative groundwater data. These objectives were met when Cambria advanced soil borings B-17 through B-25 (6/28-29/04 and 7/29-30/04) at the locations shown in Figure 2, and when Gettler-Ryan removed the ORC socks (9/2/03) and redeveloped and sampled well MW-7 (9/2/04). The investigation details are described below.

Soil Borings

Permits: Copies of Alameda County Public Works Agency drilling permit Nos. W04-0646 and W04-0744 are presented as Attachment B.

Drilling Dates: June 28-29 and July 29-30, 2004.

Drilling Company: Gregg Drilling and Testing, Inc. of Martinez, California (C57 #485165) and Woodward Drilling Company Inc. (C57 #710079).

Sampling Personnel: Senior Staff Geologist Sarah Owen conducted all fieldwork under the supervision of California Registered Geologist Robert Foss.

Drilling: The first 8 feet of each boring was cleared using a hand auger or a water knife. Below 8 feet, all borings were advanced using a direct push rig. The utility clearing of borings near the former tank pit was unsuccessful because large debris used as fill was encountered in every attempted boring in that area. Consequently, advancement of soil borings in this vicinity was abandoned.

Soil Description: Soils encountered during this investigation consisted primarily of silty sands with some intermittent sandy, clayey and gravelly

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silts to approximately 30 fbg. The boring logs are presented as Attachment C.

Soil Sampling: Soil samples were collected by hydraulically pushing a polyethylene lined macrocore into undisturbed sediments.

Groundwater Sampling: Groundwater was encountered between 19.5 and 21.5 fbg in all borings, except B21 and B23, in which groundwater was not encountered. Groundwater samples were collected from the open boreholes with a clean disposable bailer, and decanted into the appropriate containers supplied by the analytical laboratory.

Soil Screening: Soil samples were screened using a photoionization detector (PID). Soil samples were selected for laboratory analysis based on PID readings, evidence of discoloration, stratigraphic location, the depth to groundwater, and the collection depth of previous samples containing hydrocarbons.

Lab Analyses: Table 1 summarizes current soil analytical results and the analytical methods used. Table 2 summarizes current grab groundwater results and the analytical methods used. The laboratory analytical reports, including soil physical parameter analyses, are presented as Attachment D.

Soil Disposal: Soil cuttings and water used in utility clearing were stored in drums onsite. Integrated Waste Management (IWM) transported the soil waste from the site and disposed of it at Republic Services Vasco Road Landfill in Livermore, California on July 13 and August 18, 2004. IWM transported the water waste from the site on the same dates and disposed of it at Mc Kittrick Waste Treatment Site in Mc Kittrick, California.

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DISTRIBUTION OF HYDROCARBONS IN SOIL

The only soil boring with any detections of analyzed chemicals was boring B23A, located approximately 5 feet downgradient of well MW-7. This boring had no detections of any analyzed constituents in samples collected at 13 and 15 fbg. The samples collected at 19, 23.5, and 25 fbg all contained TPHg at 2,400, 240, and 4.2 mg/kg. The highest degree of impact was found at approximately 19 fbg, with concentrations decreasing with increasing depth. Neither benzene or MTBE were detected in any analyzed soil samples from this investigation. HVOCs were detected in soil samples collected from borings B23A at 13 fbg and boring B25 from 10 fbg. The soil sample collected from boring B23A at 13 fbg contained 0.021 mg/kg acetone, 0.006 mg/kg 2-butanone, and 0.003 mg/kg methyl chloride. The soil sample collected from boring B25 at 10 fbg contained only 0.002 mg/kg methylene chloride.

DISTRIBUTION OF HYDROCARBONS IN GROUNDWATER

There were only two detections of TPHg in groundwater. Grab groundwater samples collected from soil borings B23A (near well MW-7) and B25 (downgradient of the former USTs) contained 12,000 and 480 µg/L TPHg, respectively. The only benzene detected in any grab groundwater sample collected during this investigation was found in boring B23A at a concentration of 17 µg/L. No MTBE was detected in any grab groundwater sample collected during this investigation.

Low concentrations of HVOCs were detected in groundwater from soil borings B17, B23A, and B25.

CONCLUSIONS AND RECOMMENDATIONS

Investigation results demonstrate that the horizontal distribution of hydrocarbons in soil is limited to the area in the immediate vicinity of well MW-7. Horizontal distribution of hydrocarbons in groundwater is limited to the area immediately downgradient of well MW-7 and near the former UST cavity. The highest hydrocarbon impact in soil occurs at approximately 19 fbg and is vertically delineated by low concentrations at approximately 25 fbg. HVOCs, detected in soil and groundwater at the site, likely originate from upgradient offsite sources. Any HVOCs originating from the site would likely have been associated with the used oil UST. Soil analytic results associated with the used-oil UST do not suggest this. Numerous neighboring former and current businesses upgradient of the site, including several dry cleaners, are more probable

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potential HVOC sources. ACDEH concurred with this evaluation in a letter dated November 4, 1992. A copy of this letter is included as Attachment E.

The property owner, Oakland Housing Authority, is currently planning to develop the property as a combination of commercial/residential, with a level of underground parking. Cambria recommends that, at the time of underground parking construction, the excavation in the corner near well MW-7, be continued to a depth of approximately 25 fbg. Until the property is redeveloped, Cambria recommends continued groundwater monitoring.

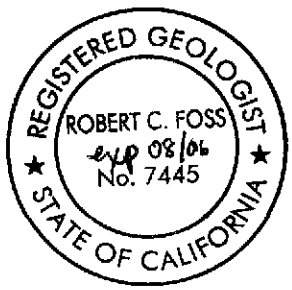
CLOSING

We appreciate your assistance with this project. Please call Robert Foss at (510) 420-3348 or Sarah Owen at (510) 420-3350 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Sarah Owen
Senior Staff Geologist

Robert Foss, R.G.
Associate Geologist



Figures: 1 – Vicinity Map
2 – Site Plan

Tables: 1 – Soil Analytical Results
2 – Groundwater Analytical Results

Attachments: A – Regulatory Correspondence
B – Permits
C – Boring Logs
D – Laboratory Analytical Reports
E – ACHCSA letter dated November 4, 1992

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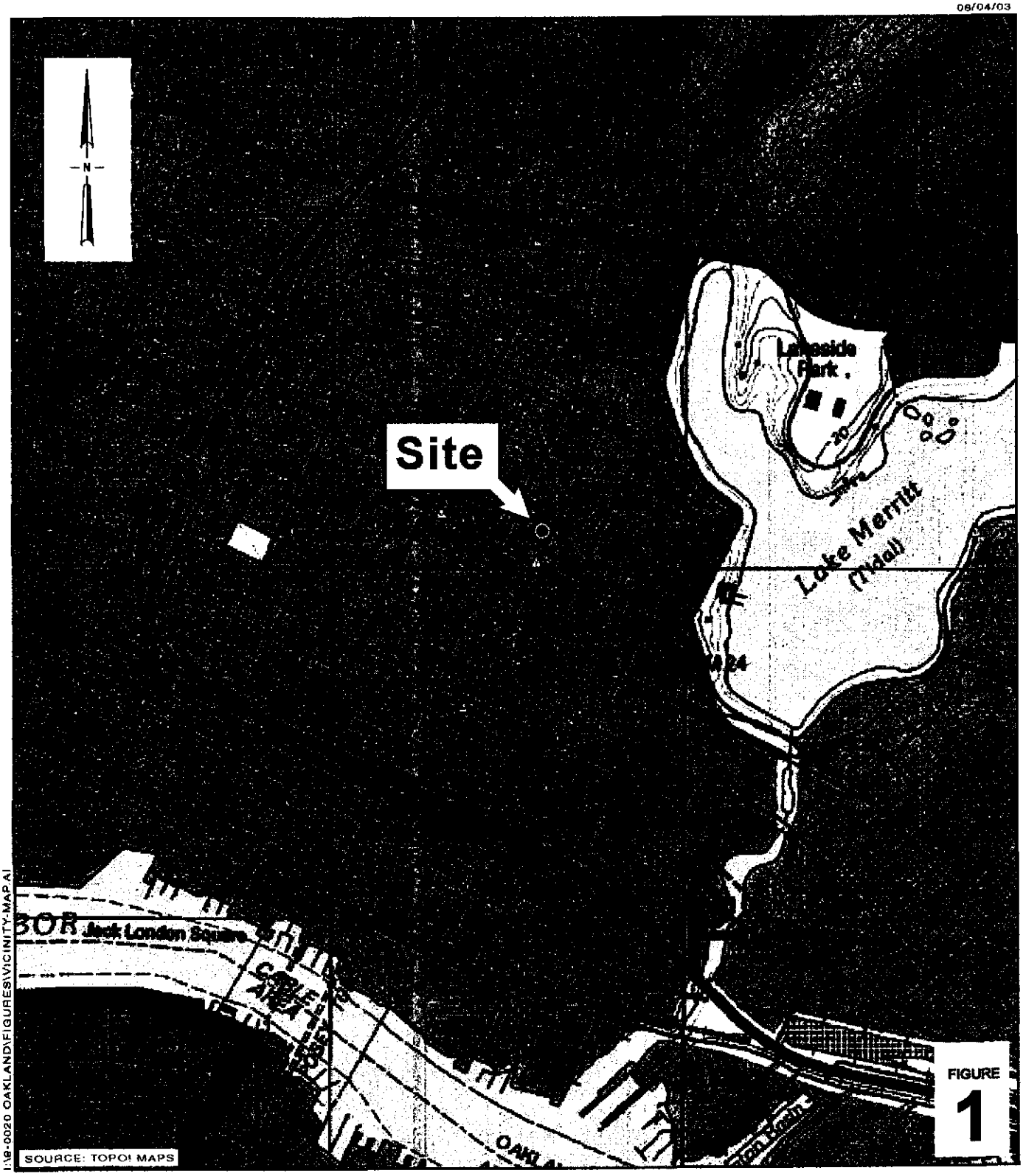
cc: Ms. Karen Streich, Chevron Environmental Management Company, P.O. Box 6012, San Ramon, CA 94583
Ms. Jeriann Alexander, FugroWest, Inc., 1000 Broadway, Suite 200, Oakland, CA 94607
Mr. Robert Chavez, Oakland Housing Authority, 1805 Harrison Street, Oakland, CA 94612

I:\9-0020 Oakland\SSI Report July 2004 9-0020.doc

08/04/03



I:\9-0020 OAKLAND\FIGURES\VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Chevron Station 9-0020

1633 Harrison Street

Oakland, California

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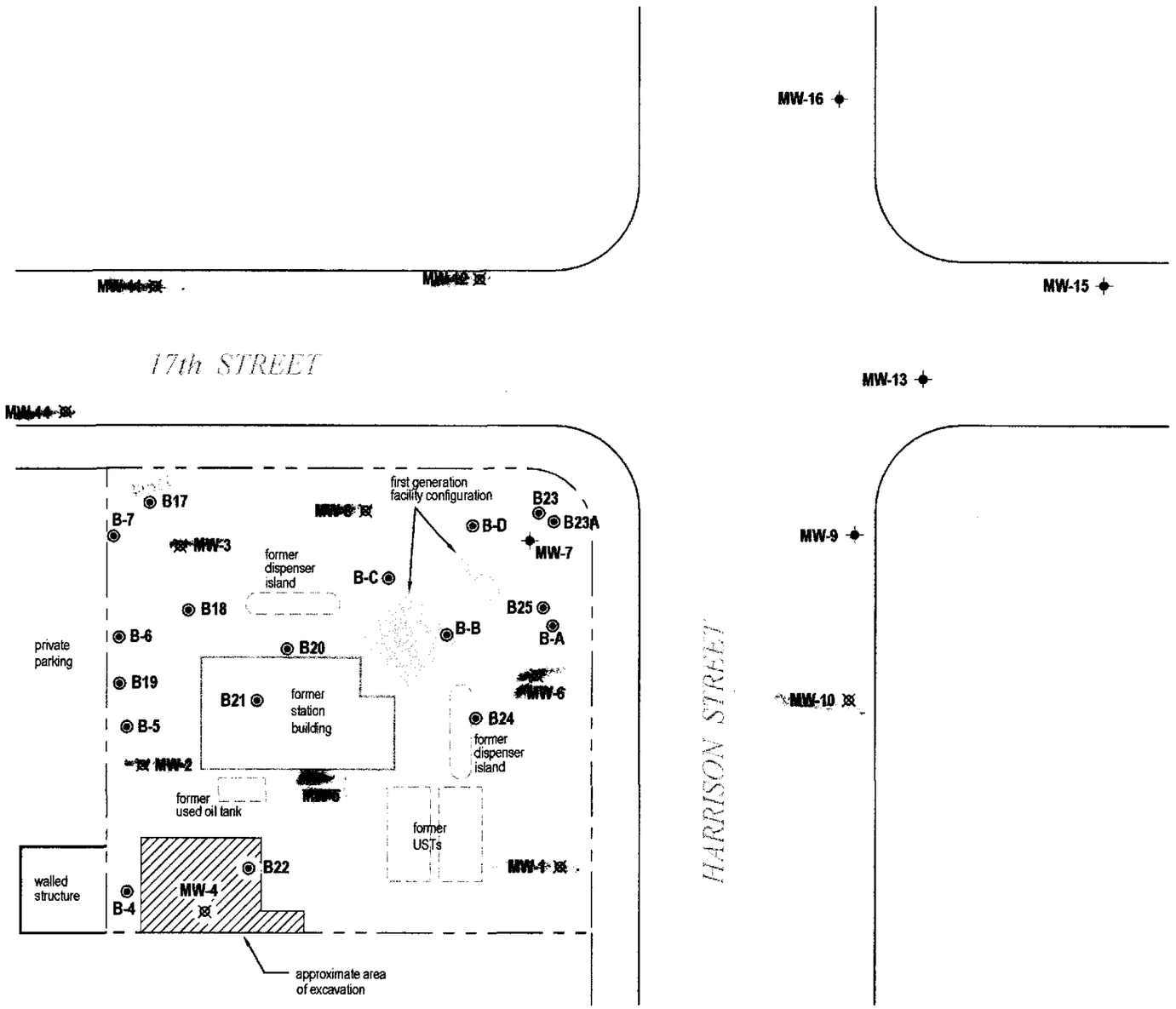
Vicinity Map

Site Plan

EXPLANATION

- B-A ◉ Soil boring location
- MW-7 ✦ Monitoring well location
- MW-1 ⊠ Abandoned well location

Basemap from Gettler-Ryan Inc.



FIGURE

2

Former Chevron Station 9-0020

1633 Harrison Street

Oakland, California

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I:\9-0020 OAKLAND\FIGURES\SITEPLAN.DWG

Table 1. Analytic Results for Soil - Former Chevron Station 9-0020, 1633 Harrison Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB	HVOCs
			Concentrations reported in milligrams per kilogram - mg/kg								
B-17	6/28/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-17	6/28/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	ND
B-17	6/28/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-18	6/28/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-18	6/28/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-18	6/28/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-19	6/28/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-19	6/28/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-19	6/28/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-20	6/28/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-20	6/28/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-20	6/28/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-21	6/29/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-21	6/29/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-22	6/29/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-22	6/29/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-22	6/29/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-23	6/29/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-23	6/29/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-23A	7/29/04	13	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	*
B-23A	7/29/04	15	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	NA	NA	NA
B-23A	7/29/04	19	**2,400**	<0.062	<0.12	**1.7**	**4.1**	<0.062	NA	NA	NA
B-23A	7/29/04	23.5	**240**	<0.062	<0.12	<0.12	<0.12	<0.062	NA	NA	NA
B-23A	7/29/04	25	**4.2**	<0.001	<0.002	**0.003**	<0.002	<0.001	NA	NA	NA
B-24	6/29/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-24	6/29/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-24	6/29/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-25	7/29/04	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-25	7/29/04	10	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	*
B-25	7/29/04	15	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-25	7/29/04	20	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA
B-25	7/29/04	25	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	NA

Abbreviations/Notes:

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

Benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

1,2-Dichloroethane (1,2 DCA) by EPA Method 8260B

1,2-Dibromoethane (EDB) by EPA Method 8260B

<x = Not detected above method detection limit

ND = Not detected above method detection limits

fbg = Feet below grade

NA = not analyzed

* = see lab report for HVOC concentrations

Table 2. Analytic Results for Groundwater - Former Chevron Station 9-0020, 1633 Harrison Street, Oakland, California

Sample ID	Sample Date	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB	HVOCs
		Concentrations reported in micrograms per liter (µg/L)								
B-17	6/28/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	*
B-18	6/28/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
B-19	6/28/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
B-20	6/28/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
B-22	6/29/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
B-23A	7/29/04	**12,000**	**17**	**53**	**180**	**360**	<1	<1	<1	*
B-24	6/29/04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B-25	7/29/04	**480**	<0.5	<0.5	**1.0**	**2.0**	<0.5	<1	<1	*

Abbreviations/Notes:

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

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

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

1,2-Dichloroethane (1,2 DCA) by EPA Method 8260B

1,2-Dibromoethane (EDB) by EPA Method 8260B

* = see lab report for HVOC concentrations

<x = Not detected above method detection limit

NA = not analyzed

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

November 18, 2003

Ms. Karen Streich
Chevron USA, Inc.
PO Box 6004
San Ramon, CA 94583-0904

Mr. Martin Zone
Oakland Housing Authority
1805 Harrison St.
Oakland, CA 94612

Subject: Fuel Leak Case No. RO0000143, Chevron #9-0020, 1633 Harrison St., Oakland, CA

Dear Ms. Streich & Mr. Zone:

Alameda County Environmental Health staff has reviewed "Additional Investigation Workplan" dated August 6, 2003 by Cambria Environmental Technology, Inc., "Re: Additional Investigation Workplan" from Oakland Housing Authority dated August 26, 2003, and "OHA Comments on Additional Investigation Work Plan" from ChevronTexaco dated August 28, 2003. Please incorporate the supplemental work stated in the ChevronTexaco letter dated August 28, 2003. Your Work Plan is approved if you are agreeable to our comments. We request that you address the following technical comments, perform the requested work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. Soil Boring by MW-7: Relocate the proposed boring so as to be downgradient (east) of MW-7. 50,000 ppm TPHg was reported in a sample collected at 23.5 fbg in well MW-7. Cambria's boring will be sampled at depths concurrent with the previously reported hydrocarbon impacts (19 fbg and 23.5 fbg).
2. Boring Depths: Increase the depths to 30 fbg. The bottom of MW-6 was at 26 fbg where slight to moderate odors were observed.
3. Collection of Soil Samples: Instead of collecting soil boring samples every 5 ft., as proposed, soil samples shall be collected at a minimum of every 5 ft., including at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination.
4. Soil Sample ES-8C: In January 1992, hydrocarbon impacted soil was removed from the vicinity of MW-4. The confirmation soil sample collected from the south excavation wall at 8 ft. bgs contained detectable hydrocarbons, TPH-G at 310 ppm and TPH-D at 270 ppm. Please install a boring downgradient (east) of ES-8C.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

- 60 days after Work Plan approval – Soil and Water Investigation Report

If you have any questions, call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: Robert Foss, Cambria Environmental Technology, Inc. 5900 Hollis St, Suite A, Emeryville, California 94608

File

ATTACHMENT B

Permits

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939 www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 1633 Harrison St. Oakland, CA

CLIENT
Name Chevron Environmental Management
Address P.O. Box 6012 Phone 925-842-1000
City San Ramon, CA Zip 94583

APPLICANT
Name Cambria Environmental
Fax 510-420-9170
Address 5900 Hollis St. Ste. A Phone 510-420-0700
City Emeryville, CA Zip 94608

FOR OFFICE USE
PERMIT NUMBER WO4-0646
WELL NUMBER
APN

OF PROJECT

Construction	Geotechnical Investigation
Cathodic Protection	General
Water Supply	(Contamination)
Monitoring	Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic	Replacement Domestic
Municipal	Irrigation
Industrial	Other

DRILLING METHOD:

Mud Rotary	Air Rotary	Auger
Cable	(Other) direct push	

DRILLER'S NAME Gregg Drilling
DRILLER'S LICENSE NO. C57 485 165

WELL PROJECTS
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Owner's Well Number ____

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings 9 (nine) Maximum
Hole Diameter 2 in. Depth 30 ft.

STARTING DATE June 28, 2004
COMPLETION DATE June 29, 2004

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

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

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

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS -B#1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 6-11-04

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

APPLICANT'S SIGNATURE Sarah Lody Owen for Cambria Environmental DATE 6-4-04

PLEASE PRINT NAME Sarah Owen

Rev.5-11-04

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939
www.acfcwcd.org

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 1633 Harrison St.
Oakland

CLIENT
Name Chevron Environmental Management
Address PO Box 6012 Phone 925-842-1000
City San Ramon, CA Zip 94583

APPLICANT
Name Cambria Environmental Fax 510 420 9170
Address 5900 Hollis St. Ste A Phone 510 420 0700
City Emeryville Zip 94608

TYPE OF PROJECT
Well Construction
Cathodic Protection
Water Supply
Monitoring
Geotechnical Investigation
General
Contamination
Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic
Municipal
Industrial
Replacement Domestic
Irrigation
Other

DRILLING METHOD:
Mud Rotary
Cable
Air Rotary
Other direct push
Auger

DRILLER'S NAME Woodward
DRILLER'S LICENSE NO C57 710079

WELL PROJECTS
Drill Hole Diameter in
Casing Diameter in
Surface Seal Depth ft
Maximum Depth ft
Owner's Well Number

GEOTECHNICAL/CONTAMINATION PROJECTS
Number of Borings 4
Hole Diameter 2 in
Maximum Depth 30 ft

STARTING DATE July 29, 2004
COMPLETION DATE July 30, 2004

FOR OFFICE USE
PERMIT NUMBER W04-0744
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

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

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

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS #1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations

APPROVED DATE 7-30-04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE Sarah Codey Owen for Cambria Environmental DATE 7/6/04
PLEASE PRINT NAME Sarah Owen

Rev 5-11-04

ATTACHMENT C

Boring Logs

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B17
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	21.0 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	20.5 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B17@5		5	SM		**Silty SAND**: Light brown; dry; loose; 60% fine sand, 40% silt; high estimated permeability.	8.0	
0		B17@10		10	SW		**Silty SAND with clay**: Light brown; dry; moderately dense; 50% fine to medium-grained sand, 40% silt, 10% clay; high estimated permeability. Gravelly layers from 13 to 13.5 fbg.	16.0	Portland Type I/II
0		B17@15		15					
0		B17@20		20	SM		**Silty SAND**: Light brown; dry; loose; 65% fine sand, 35% silt; high estimated permeability. Soil becomes wet at 21 fbg.	27.0	
0		B17@25		25					
					ML		**Clayey SILT**: Light brown; wet; moderately dense; 90% silt, 10% clay; high plasticity; moderate to low estimated permeability.	28.0	
				30	SM		**Silty SAND**: Light brown; wet; loose; 90% fine sand, 10% silt; high estimated permeability.	30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B18
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	19.5 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.5 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
					SM		**Silty SAND**: Light brown; dry; loose; 60% fine sand, 40% silt; high estimated permeability.	5.0	
		B18@5		5	ML		**Sandy SILT**: Light brown; dry; moderately dense; 60% silt, 40% fine sand; moderate plasticity; moderate estimated permeability.		
0		B18@1 0		10	SM		**Silty SAND**: Light brown; dry; loose; 70% fine sand, 30% silt; moderate to high estimated permeability. Gravelly layer from 13-13.5 fbg. Soil becomes wet at 19.5 fbg.	10.5	
0		B18@1 5		15					Portland Type I/II
0		B18@2 0		20					
					ML		**Sandy SILT**: Light brown; damp; soft; 80% silt, 20% fine sand; high plasticity; moderate to low estimated permeability.	24.0	
0		B18@2 5		25	SM		**Silty SAND**: Light brown; wet; loose; 90% fine sand, 10% silt; high estimated permeability.	25.0	
		B18@ 29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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Emeryville, CA 94608
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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B19
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.5 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.2 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 75% fine sand, 25% silt; high estimated permeability. Soil becomes wet at 20 fbg.		
		B19@5		5					
0		B19@10		10					
0		B19@ phys. param 1			SM				
0		B19@15		15					Portland Type I/II
0		B19@20		20					
0		B19@25		25				26.5	
0		B19@ phys. param 2			ML		**Sandy SILT**: Light brown; damp; moderately dense; 85% silt, 10% fine sand, 5% clay; moderate to high plasticity; moderate to low estimated permeability.	28.5	
					SM		**Silty SAND**: Light brown; wet; loose; 70% fine sand, 30% silt; high estimated permeability.	30.0	Bottom of Boring @ 30 fbg
				30					

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B20
JOB/SITE NAME	9-0020	**DRILLING STARTED**	28-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	28-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.0 fbg (28-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.5 fbg (28-Jun-04)
REMARKS	Hand augered to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
0		B20@5		5	SM		**Silty SAND**: Light brown; dry; loose; 85% fine sand, 15% silt; high estimated permeability.		
								9.0	
0		B20@10		10	ML		**Sandy SILT**: Light brown; dry; moderately dense; 80% silt, 20% fine sand; moderate to low plasticity; moderate to low estimated permeability.	10.5	
					SM		**Silty SAND**: Light brown; dry; dense; 60% fine sand, 40% silt; moderate to low estimated permeability.		
0		B20@15		15				16.0	Portland Type I/II
							Silty SAND: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet around 20 fbg.		
0		B20@20		20	SM				
				25					
0		B20@27		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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Emeryville, CA 94608
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Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B21
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared with water knife to 8 fbg. Refusal at 18 fbg. Groundwater not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
							Silty SAND: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes moderately dense at 12 fbg, dark greenish in color at 16 fbg, and damp at 18 fbg.		
		B21@5		5					
					SM				
0		B21@10		10					Portland Type I/II
0		B21@15		15					
		B21@ 17.5						18.0	Bottom of Boring @ 18 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B22
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.0 fbg (29-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.5 fbg (29-Jun-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B22@5		5	SM		**Silty SAND**: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Slight hydrocarbon odor at approximately 2-3 fbg.		
		B22@10		10				11.0	
					SM		**Silty SAND**: Light brown; dry; moderately dense; 60% fine sand, 40% silt; high estimated permeability.	12.0	
							Silty SAND: Light brown; dry; dense; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet at 20 fbg.		
0		B22@15		15					Portland Type I/II
0		B22@20		20	SM				
0		B22@27		25					
				30	ML		**Gravelly Sandy SILT**: Light brown; wet; dense; 65% silt, 20% gravel, 15% fine sand; moderate plasticity; moderate estimated permeability.	28.0 30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B23
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Cleared with water knife to 8 fbg. Refusal at 16 fbg. Groundwater not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B23@5		5	SM		**Silty SAND**: Light brown; dry; moderately dense; 70% fine sand, 30% silt; high estimated permeability.		
17		B23@10		10	SM		**Sandy SILT**: Light brown with black mottling; dry; dense; 60% silt, 40% fine sand; low to moderate plasticity; moderate to low estimated permeability.	10.5	Portland Type I/II
							Refusal at 16 fbg. No lithologic description or samples collected because sample liner was stuck inside rod.	12.0	
				15				16.0	Bottom of Boring @ 16 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B23A
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Woodward Drilling Company Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.0 fbg (29-Jul-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	19.5 fbg (29-Jul-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
					SM		**Silty SAND**: Light brown; dry; moderately loose; 85% fine sand, 15% silt; high estimated permeability.	5.0	
		B23A@ 5		5	SM		**Silty SAND**: Light brown with gray and black mottling; dry; dense; 85% fine sand, 15% silt; moderate to high estimated permeability.		
		B23A@ 10		10				11.0	
		B23A@ 13			SP		**SAND**: Grayish green; dry; loose; 100% fine sand; high estimated permeability. From 18-19 fbg sand is light brown with gray mottling. Soil becomes wet at approximately 20 fbg. Strong hydrocarbon odor from 10 to 25 fbg. Sand becomes light brown in color from 25 to 26.5 fbg.		Portland Type I/II
		B23A@ 15		15					
		B23A@ 19		20					
		B23A@ 23.5							
		B23A@ 25		25				26.5	
		B23A@ 29.5		30	ML		**Sandy SILT**: Light gray; damp; moderately dense; 60% silt, 40% fine sand; moderate plasticity; low estimated permeability. Slight hydrocarbon odor from 25 to 30 fbg.	30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B24
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jun-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jun-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	20.0 fbg (29-Jun-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	21.5 fbg (29-Jun-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					Asphalt	0.5	Concrete
		B24@5	5	SM	**Silty SAND**: Light brown; dry; loose; 70% fine sand, 30% silt; high estimated permeability.		
0		B24@10	10	ML	**Sandy SILT**: Light brown; dry; dense; 60% silt, 40% fine sand; moderate plasticity; moderate to low estimated permeability.	10.0 11.0	
				SM	**Silty SAND**: Light brown; dry; loose; 80% fine sand, 20% silt; high estimated permeability.		
0		B24@15	15			16.0	Portland Type I/II
400		B24@20	20	SM	**Silty SAND**: Light brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet at 20 fbg. Gray color from 20 to 22 fbg.		
		B24@22					
500		B24@25	25				
						29.0	
200		B24@29.5	30	ML	**Gravelly Sandy SILT**: Light brown; wet; moderately dense; 55% silt, 25% gravel, 20% fine sand; moderate plasticity; moderate estimated permeability.	30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	B25
JOB/SITE NAME	9-0020	**DRILLING STARTED**	29-Jul-04
LOCATION	1633 Harrison Street, Oakland	**DRILLING COMPLETED**	29-Jul-04
PROJECT NUMBER	31D-1956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Woodward Drilling Company Inc.	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	21.0 fbg (29-Jul-04)
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	20.0 fbg (29-Jul-04)
REMARKS	Cleared with water knife to 8 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.5	Concrete
		B25@5		5	SM		**Silty SAND**: Light brown; dry; loose; 70% fine sand, 30% silt; high estimated permeability.		
2		B25@1 0		10				12.0	
1		B25@1 5		15			**SAND**: Light brown; dry; moderately loose; 100% fine sand; high estimated permeability. Hydrocarbon odor from approximately 15 to 23 fbg. Soil becomes gray at 16 fbg. Soil becomes wet at 21 fbg and light brown in color at 23 fbg.		Portland Type I/II
5,000		B25@2 0		20	SW				
		B25@p hys. param. 1							
0		B25@2 5		25				27.0	
					ML		**Sandy SILT**: Light gray; damp; dense; 85% silt, 15% very fine to fine sand; high plasticity; low estimated permeability.		
0		B25@ phys. param. 2 B25@ 29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\9-0020 OAKLAND\2004 INVESTIGATION\GINT SOIL BORINGS 1.GPJ DEFAULT.GDT 10/14/04

ATTACHMENT D

Laboratory Analytical Reports

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 902155. Samples arrived at the laboratory on Thursday, July 01, 2004. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B17-S-5-040628	Grab	Soil	4303680
B17-S-10-040628	Grab	Soil	4303681
B17-S-20-040628	Grab	Soil	4303682
B19-S-5-040628	Grab	Soil	4303683
B19-S-10-40628	Grab	Soil	4303684
B19-S-20-040628	Grab	Soil	4303685
B18-S-5-040628	Grab	Soil	4303686
B18-S-10-040628	Grab	Soil	4303687
B18-S-20-040628	Grab	Soil	4303688
B20-S-5-040628	Grab	Soil	4303689
B20-S-10-040628	Grab	Soil	4303690
B20-S-20-040628	Grab	Soil	4303691
B21-S-5-040629	Grab	Soil	4303692
B21-S-10-040629	Grab	Soil	4303693
B22-S-5-040629	Grab	Soil	4303694
B22-S-10-040629	Grab	Soil	4303695
B22-S-20-040629	Grab	Soil	4303696
B24-S-5-040629	Grab	Soil	4303697
B24-S-10-040629	Grab	Soil	4303698
B24-S-20-040629	Grab	Soil	4303699
B23-S-5-040629	Grab	Soil	4303700
B23-S-10-040629	Grab	Soil	4303701

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Analysis Report

1 COPY TO Cambria Environmental Attn: Bob Foss

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Robin C. Runkle
Senior Chemist

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Analysis Report

Lancaster Laboratories Sample No. SW 4303680

B17-S-5-040628. Grab Soil
Facility# 90020 CETO
1633 Harrison - Oakland T0600100304 B17
Collected: 06/28/2004 08:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B175O

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 16:46	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/05/2004 22:07	Marla S Lord	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:06	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 16:42	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303681

B17-S-10-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 08:40 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
06293	Acetone	67-64-1	N.D.	0.007	mg/kg	1.01
06294	Carbon Disulfide	75-15-0	N.D.	0.001	mg/kg	1.01
06296	2-Butanone	78-93-3	N.D.	0.004	mg/kg	1.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1.01
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1.01
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1.01
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	mg/kg	1.01
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1.01
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1.01
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1.01
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1.01
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1.01
05450	Methylene Chloride	75-09-2	N.D.	0.002	mg/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1.01
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1.01
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1.01
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1.01

Lancaster Laboratories Sample No. SW 4303681

B17-S-10-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 08:40 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1.01
05464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1.01
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.	0.001	mg/kg	1.01
05442	EPA SW846/8260 (soil) cont					
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
05475	m+p-Xylene	1330-20-7	N.D.	0.001	mg/kg	1.01
05476	o-Xylene	95-47-6	N.D.	0.001	mg/kg	1.01
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1.01
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1.01
05479	Isopropylbenzene	98-82-8	N.D.	0.001	mg/kg	1.01
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1.01
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1.01
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1.01
05483	n-Propylbenzene	103-65-1	N.D.	0.001	mg/kg	1.01
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1.01
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	mg/kg	1.01
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1.01
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1.01
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	mg/kg	1.01
05489	sec-Butylbenzene	135-98-8	N.D.	0.001	mg/kg	1.01
05490	p-Isopropyltoluene	99-87-6	N.D.	0.001	mg/kg	1.01
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1.01
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1.01
05493	n-Butylbenzene	104-51-8	N.D.	0.001	mg/kg	1.01
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1.01
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1.01
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1.01
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1.01

Lancaster Laboratories Sample No. SW 4303681

B17-S-10-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 08:40 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1710

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05498	Naphthalene	91-20-3	N.D.	0.001	mg/kg	1.01
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1.01

Matrix QC was performed on this sample for the GCMS volatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

The percent recovery for 2-chloroethyl vinyl ether was outside QC limits high in the LCS associated with this sample. Since the recovery was high and this compound was not detected in the sample, no further action was taken.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 17:23	Stephanie A Selis	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	07/08/2004 19:14	Elizabeth M Taylor	1.01
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	07/08/2004 19:14	Elizabeth M Taylor	1.01
05442	EPA SW846/8260 (soil) cont	SW-846 8260B	1	07/08/2004 19:14	Elizabeth M Taylor	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/08/2004 12:58	Carrie J McCullough	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 16:43	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303682

B17-S-20-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 09:15 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 01:43	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/05/2004 22:38	Marla S Lord	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:08	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/01/2004 16:45	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303683

B19-S-5-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B19**
Collected:06/28/2004 10:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B195M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 18:00	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/05/2004 23:09	Marla S Lord	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:08	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 16:57	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303684

B19-S-10-40628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B19**
Collected:06/28/2004 10:55 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1910

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 17:42	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/05/2004 23:40	Marla S Lord	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:10	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 16:59	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303685

B19-S-20-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B19**
Collected:06/28/2004 11:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1920

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	1
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 18:20	Stephanie A Selis	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 00:11	Marla S Lord	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:11	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:00	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303686

B18-S-5-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B18**
Collected:06/28/2004 13:20 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B185M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 04:29	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 00:43	Marla S Lord	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:12	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:01	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303687

B18-S-10-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B18**
Collected:06/28/2004 13:45 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 05:06	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 01:45	Marla S Lord	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:14	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:02	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303688

B18-S-20-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B18**
Collected:06/28/2004 14:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B1820

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 05:44	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 03:19	Marla S Lord	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:16	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:03	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303689

B20-S-5-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B20**
Collected:06/28/2004 15:45 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B205M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 06:22	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 03:50	Marla S Lord	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/05/2004 20:17	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:08	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303690

B20-S-10-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B20**
Collected:06/28/2004 16:15 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B20CM

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 06:59	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 11:25	Carrie J McCullough	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 02:57	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:09	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303691

B20-S-20-040628 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B20**
Collected:06/28/2004 17:00 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B20OK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 07:37	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 11:57	Carrie J McCullough	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:00	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:13	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303692

B21-S-5-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B21**
Collected:06/29/2004 08:40 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B215M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 08:14	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 12:28	Carrie J McCullough	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:03	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:14	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303693

B21-S-10-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B21**
Collected:06/29/2004 10:15 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:40
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 10:13	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 12:59	Carrie J McCullough	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:06	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:15	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303694

B22-S-5-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B22**
Collected:06/29/2004 09:35 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B225M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 10:50	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 13:30	Carrie J McCullough	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:07	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:16	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303695

B22-S-10-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B22**
Collected:06/29/2004 11:15 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 11:28	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 14:02	Carrie J McCullough	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:10	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:17	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303696

B22-S-20-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B22**
Collected:06/29/2004 11:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 12:06	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 15:49	Carrie J McCullough	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:12	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:20	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303697

B24-S-5-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B24**
Collected:06/29/2004 10:45 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B245M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 12:43	Stephanie A Selis	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/06/2004 21:00	Carrie J McCullough	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 20:19	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:21	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303698

B24-S-10-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B24**
Collected:06/29/2004 13:15 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2410

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 13:21	Stephanie A Selis	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/06/2004 18:24	Carrie J McCullough	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 11:28	Carrie J McCullough	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:22	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303699

B24-S-20-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B24**
Collected:06/29/2004 14:00 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2420

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/06/2004 12:28	Stephanie A Selis	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/07/2004 00:46	Stephanie R Sherant	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 20:48	Marla S Lord	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:27	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303700

B23-S-5-040629 Grab Soil
Facility# 90020 CETO
1633 Harrison - Oakland **T0600100304** **B23**
Collected:06/29/2004 13:00 by SO Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B235M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 13:59	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 16:20	Carrie J McCullough	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:14	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:36	Jesse L Mertz	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4303701

B23-S-10-040629 **Grab** **Soil**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B23**
Collected:06/29/2004 16:00 by SO

Account Number: 10880

Submitted: 07/01/2004 08:50
Reported: 07/16/2004 at 14:41
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2310

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	07/07/2004 14:36	Stephanie A Selis	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	07/06/2004 16:52	Carrie J McCullough	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	07/06/2004 03:16	Stephanie R Sherant	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	07/05/2004 17:37	Jesse L Mertz	n.a.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/16/04 at 02:41 PM

Group Number: 902155

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: 04187A33A	Sample number(s): 4303682							
TPH-GRO - Soils	N.D.	1.0	mg/kg	117		67-119		
Batch number: 04187A33B	Sample number(s): 4303684-4303685							
TPH-GRO - Soils	N.D.	1.0	mg/kg	117		67-119		
Batch number: 04188A34A	Sample number(s): 4303680-4303681,4303683,4303699							
TPH-GRO - Soils	N.D.	1.0	mg/kg	101		67-119		
Batch number: 04189A33A	Sample number(s): 4303686-4303698,4303700-4303701							
TPH-GRO - Soils	N.D.	1.0	mg/kg	108		67-119		
Batch number: D041861AB	Sample number(s): 4303680,4303682-4303686							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	110		75-125		
Benzene	N.D.	0.5	ug/kg	92		83-118		
Toluene	N.D.	1.	ug/kg	90		81-116		
Ethylbenzene	N.D.	1.	ug/kg	91		82-115		
Xylene (Total)	N.D.	1.	ug/kg	91		82-117		
Batch number: D041871AA	Sample number(s): 4303687-4303689							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	108		75-125		
Benzene	N.D.	0.5	ug/kg	100		83-118		
Toluene	N.D.	1.	ug/kg	98		81-116		
Ethylbenzene	N.D.	1.	ug/kg	98		82-115		
Xylene (Total)	N.D.	1.	ug/kg	97		82-117		
Batch number: D041871AB	Sample number(s): 4303690-4303698,4303700-4303701							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	108		75-125		
Benzene	N.D.	0.5	ug/kg	100		83-118		
1,2-Dichloroethane	N.D.	1.	ug/kg	112		76-126		
Toluene	N.D.	1.	ug/kg	98		81-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	106		77-114		
Ethylbenzene	N.D.	1.	ug/kg	98		82-115		
Xylene (Total)	N.D.	1.	ug/kg	97		82-117		
Batch number: D041881AA	Sample number(s): 4303699							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	105		75-125		
Benzene	N.D.	0.5	ug/kg	99		83-118		
1,2-Dichloroethane	N.D.	1.	ug/kg	109		76-126		
Toluene	N.D.	1.	ug/kg	95		81-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	101		77-114		
Ethylbenzene	N.D.	1.	ug/kg	98		82-115		
Xylene (Total)	N.D.	1.	ug/kg	96		82-117		

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902155
Reported: 07/16/04 at 02:41 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D041901AA	Sample number(s): 4303681							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	104		75-125		
di-Isopropyl ether	N.D.	1.	ug/kg	98		70-129		
Ethyl t-butyl ether	N.D.	1.	ug/kg	103		71-124		
t-Amyl methyl ether	N.D.	1.	ug/kg	101		74-117		
t-Butyl alcohol	N.D.	20.	ug/kg	114		51-160		
Dichlorodifluoromethane	N.D.	2.	ug/kg	98		1-166		
Chloromethane	N.D.	2.	ug/kg	98		44-139		
Vinyl Chloride	N.D.	1.	ug/kg	92		48-135		
Bromomethane	N.D.	2.	ug/kg	96		35-146		
Chloroethane	N.D.	2.	ug/kg	92		50-137		
Trichlorofluoromethane	N.D.	2.	ug/kg	99		45-133		
1,1-Dichloroethene	N.D.	1.	ug/kg	92		69-133		
Methylene Chloride	N.D.	2.	ug/kg	95		81-121		
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	92		77-124		
1,1-Dichloroethane	N.D.	1.	ug/kg	98		79-124		
2,2-Dichloropropane	N.D.	1.	ug/kg	97		72-123		
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	96		83-118		
Chloroform	N.D.	1.	ug/kg	98		81-117		
Bromochloromethane	N.D.	1.	ug/kg	57		53-134		
1,1,1-Trichloroethane	N.D.	1.	ug/kg	97		74-121		
Carbon Tetrachloride	N.D.	1.	ug/kg	99		63-124		
1,1-Dichloropropene	N.D.	1.	ug/kg	94		75-121		
Benzene	N.D.	0.5	ug/kg	95		83-118		
1,2-Dichloroethane	N.D.	1.	ug/kg	108		76-126		
Trichloroethene	N.D.	1.	ug/kg	95		81-114		
1,2-Dichloropropane	N.D.	1.	ug/kg	97		78-119		
Dibromomethane	N.D.	1.	ug/kg	103		80-116		
Bromodichloromethane	N.D.	1.	ug/kg	98		77-116		
Toluene	N.D.	1.	ug/kg	90		81-116		
1,1,2-Trichloroethane	N.D.	1.	ug/kg	98		83-114		
Tetrachloroethene	N.D.	1.	ug/kg	91		79-122		
1,3-Dichloropropane	N.D.	1.	ug/kg	100		80-117		
Dibromochloromethane	N.D.	1.	ug/kg	96		73-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	100		77-114		
Chlorobenzene	N.D.	1.	ug/kg	93		81-112		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/kg	94		78-115		
Ethylbenzene	N.D.	1.	ug/kg	92		82-115		
m+p-Xylene	N.D.	1.	ug/kg	91		82-117		
o-Xylene	N.D.	1.	ug/kg	92		82-117		
Styrene	N.D.	1.	ug/kg	90		79-116		
Bromoform	N.D.	1.	ug/kg	96		63-116		
Isopropylbenzene	N.D.	1.	ug/kg	91		79-117		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	93		64-121		
Bromobenzene	N.D.	1.	ug/kg	94		77-113		
1,2,3-Trichloropropane	N.D.	1.	ug/kg	98		67-126		
n-Propylbenzene	N.D.	1.	ug/kg	89		72-124		
2-Chlorotoluene	N.D.	1.	ug/kg	91		73-114		
1,3,5-Trimethylbenzene	N.D.	1.	ug/kg	90		72-118		
4-Chlorotoluene	N.D.	1.	ug/kg	91		79-116		
tert-Butylbenzene	N.D.	1.	ug/kg	89		74-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/kg	91		74-117		
sec-Butylbenzene	N.D.	1.	ug/kg	87		72-120		
p-Isopropyltoluene	N.D.	1.	ug/kg	89		74-120		
1,3-Dichlorobenzene	N.D.	1.	ug/kg	92		76-112		

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902155
Reported: 07/16/04 at 02:41 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,4-Dichlorobenzene	N.D.	1.	ug/kg	91		81-113		
n-Butylbenzene	N.D.	1.	ug/kg	86		69-124		
1,2-Dichlorobenzene	N.D.	1.	ug/kg	113		81-114		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/kg	84		49-127		
1,2,4-Trichlorobenzene	N.D.	1.	ug/kg	89		68-119		
Hexachlorobutadiene	N.D.	2.	ug/kg	84		57-122		
Naphthalene	N.D.	1.	ug/kg	103		59-123		
1,2,3-Trichlorobenzene	N.D.	1.	ug/kg	93		70-117		
Acetone	N.D.	7.	ug/kg	130		29-165		
Carbon Disulfide	N.D.	1.	ug/kg	92		70-129		
2-Butanone	N.D.	4.	ug/kg	138		31-147		
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	94		72-119		
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	98		80-113		
4-Methyl-2-pentanone	N.D.	3.	ug/kg	101		55-135		
2-Hexanone	N.D.	3.	ug/kg	126		41-144		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	134*		70-120		
Freon 113	N.D.	2.	ug/kg	92		58-129		

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: 04187A33A	Sample number(s): 4303682								
TPH-GRO - Soils	146*	155*	39-118	6	30				
Batch number: 04187A33B	Sample number(s): 4303684-4303685								
TPH-GRO - Soils	146*	155*	39-118	6	30				
Batch number: 04188A34A	Sample number(s): 4303680-4303681,4303683,4303699								
TPH-GRO - Soils	107	108	39-118	1	30				
Batch number: 04189A33A	Sample number(s): 4303686-4303698,4303700-4303701								
TPH-GRO - Soils	148*	149*	39-118	1	30				
Batch number: D041861AB	Sample number(s): 4303680,4303682-4303686								
Methyl Tertiary Butyl Ether	106	95	57-136	10	30				
Benzene	95	94	52-141	1	30				
Toluene	92	92	45-142	1	30				
Ethylbenzene	93	93	40-143	1	30				
Xylene (Total)	91	93	40-143	2	30				
Batch number: D041871AA	Sample number(s): 4303687-4303689								
Methyl Tertiary Butyl Ether	101	98	57-136	3	30				
Benzene	95	94	52-141	1	30				
Toluene	92	93	45-142	1	30				
Ethylbenzene	93	93	40-143	0	30				
Xylene (Total)	92	91	40-143	0	30				
Batch number: D041871AB	Sample number(s): 4303690-4303698,4303700-4303701								
Methyl Tertiary Butyl Ether	101	98	57-136	3	30				
Benzene	95	94	52-141	1	30				
1,2-Dichloroethane	103	101	57-137	2	30				

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902155
Reported: 07/16/04 at 02:41 PM

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
Toluene	92	93	45-142	1	30				
1,2-Dibromoethane	98	98	61-125	0	30				
Ethylbenzene	93	93	40-143	0	30				
Xylene (Total)	92	91	40-143	0	30				
Batch number: D041881AA	Sample number(s): 4303699								
Methyl Tertiary Butyl Ether	97	88	57-136	10	30				
Benzene	96	79	52-141	20	30				
1,2-Dichloroethane	101	88	57-137	14	30				
Toluene	94	75	45-142	23	30				
1,2-Dibromoethane	93	84	61-125	11	30				
Ethylbenzene	96	76	40-143	24	30				
Xylene (Total)	93	75	40-143	23	30				
Batch number: D041901AA	Sample number(s): 4303681								
Methyl Tertiary Butyl Ether	104	99	57-136	3	30				
di-Isopropyl ether	98	95	55-132	1	30				
Ethyl t-butyl ether	103	98	58-127	4	30				
t-Amyl methyl ether	104	98	58-126	3	30				
t-Butyl alcohol	121	113	38-160	5	30				
Dichlorodifluoromethane	103	94	1-179	7	30				
Chloromethane	100	91	21-155	7	30				
Vinyl Chloride	95	84	23-154	10	30				
Bromomethane	97	89	19-147	6	30				
Chloroethane	96	89	33-147	6	30				
Trichlorofluoromethane	100	92	26-149	5	30				
1,1-Dichloroethene	94	85	48-147	8	30				
Methylene Chloride	96	92	59-135	2	30				
trans-1,2-Dichloroethene	92	87	54-135	3	30				
1,1-Dichloroethane	97	92	60-133	3	30				
2,2-Dichloropropane	97	91	53-135	5	30				
cis-1,2-Dichloroethene	94	89	57-131	4	30				
Chloroform	98	93	57-135	4	30				
Bromochloromethane	56	53	38-136	4	30				
1,1,1-Trichloroethane	97	91	53-137	4	30				
Carbon Tetrachloride	98	92	46-138	4	30				
1,1-Dichloropropene	95	90	57-130	3	30				
Benzene	95	90	52-141	3	30				
1,2-Dichloroethane	108	104	57-137	2	30				
Trichloroethene	96	89	47-140	5	30				
1,2-Dichloropropane	98	95	60-129	1	30				
Dibromomethane	105	100	61-123	4	30				
Bromodichloromethane	99	94	57-126	4	30				
Toluene	90	86	45-142	3	30				
1,1,2-Trichloroethane	98	93	50-147	3	30				
Tetrachloroethene	90	85	39-160	3	30				
1,3-Dichloropropane	100	96	61-129	2	30				
Dibromochloromethane	96	93	53-130	1	30				
1,2-Dibromoethane	100	97	61-125	2	30				
Chlorobenzene	92	89	59-125	1	30				
1,1,1,2-Tetrachloroethane	95	90	58-128	2	30				
Ethylbenzene	92	88	40-143	3	30				
m+p-Xylene	90	86	40-143	3	30				
o-Xylene	92	88	40-143	2	30				
Styrene	91	87	46-137	3	30				

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/16/04 at 02:41 PM

Group Number: 902155

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
Bromoform	97	91	46-128	4	30				
Isopropylbenzene	91	86	48-138	4	30				
1,1,2,2-Tetrachloroethane	97	94	37-151	1	30				
Bromobenzene	95	92	52-131	1	30				
1,2,3-Trichloropropane	103	98	36-161	3	30				
n-Propylbenzene	89	87	31-151	0	30				
2-Chlorotoluene	93	90	48-141	1	30				
1,3,5-Trimethylbenzene	91	90	29-153	1	30				
4-Chlorotoluene	94	93	48-134	0	30				
tert-Butylbenzene	91	88	44-148	1	30				
1,2,4-Trimethylbenzene	93	92	35-153	1	30				
sec-Butylbenzene	90	86	31-149	2	30				
p-Isopropyltoluene	92	88	33-144	2	30				
1,3-Dichlorobenzene	93	91	45-130	0	30				
1,4-Dichlorobenzene	91	89	45-129	1	30				
n-Butylbenzene	89	85	22-149	2	30				
1,2-Dichlorobenzene	114	110	49-126	1	30				
1,2-Dibromo-3-chloropropane	90	82	29-147	7	30				
1,2,4-Trichlorobenzene	91	85	13-140	4	30				
Hexachlorobutadiene	87	85	5-151	1	30				
Naphthalene	98	93	2-142	3	30				
1,2,3-Trichlorobenzene	93	87	15-140	5	30				
Acetone	145	131	9-178	8	30				
Carbon Disulfide	94	86	37-147	6	30				
2-Butanone	153*	133	24-149	12	30				
trans-1,3-Dichloropropene	97	90	51-127	5	30				
cis-1,3-Dichloropropene	98	94	50-129	2	30				
4-Methyl-2-pentanone	113	103	34-143	7	30				
2-Hexanone	137	124	27-149	8	30				
2-Chloroethyl Vinyl Ether	133	125	48-134	4	30				
Freon 113	93	84	37-146	8	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 04187A33A

	Trifluorotoluene-F
4303682	96
Blank	103
LCS	117
MS	94
MSD	101
Limits:	71-122

Analysis Name: TPH-GRO - Soils
Batch number: 04187A33B

	Trifluorotoluene-F
4303684	90
4303685	96

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

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 902155
Reported: 07/16/04 at 02:41 PM

Surrogate Quality Control

Blank	103
LCS	117
MS	94
MSD	101
Limits:	71-122

Analysis Name: TPH-GRO - Soils
Batch number: 04188A34A

	Trifluorotoluene-F
4303680	89
4303681	90
4303683	93
4303699	89
Blank	107
LCS	104
MS	90
MSD	96
Limits:	71-122

Analysis Name: TPH-GRO - Soils
Batch number: 04189A33A

	Trifluorotoluene-F
4303686	90
4303687	85
4303688	88
4303689	89
4303690	82
4303691	80
4303692	82
4303693	88
4303694	93
4303695	82
4303696	82
4303697	83
4303698	85
4303700	83
4303701	84
Blank	120
LCS	106
MS	98
MSD	100
Limits:	71-122

Analysis Name: BTEX+MTBE by 8260B
Batch number: D041861AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303680	89	83	88	88
4303682	89	84	91	88
4303683	89	85	91	87
4303684	88	84	91	88
4303685	88	83	90	88
4303686	89	85	91	86

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902155
Reported: 07/16/04 at 02:41 PM

Surrogate Quality Control

Blank	90	84	89	89
LCS	92	91	89	92
MS	92	89	91	91
MSD	90	86	91	90
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: D041871AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303687	88	82	90	87
4303688	92	88	90	87
4303689	90	84	90	88
Blank	90	84	89	89
LCS	91	90	92	92
MS	91	88	90	91
MSD	90	87	91	89
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: D041871AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303690	88	82	89	86
4303691	90	86	90	88
4303692	92	89	89	90
4303693	90	87	89	88
4303694	90	86	90	88
4303695	91	88	89	88
4303696	89	88	89	70
4303697	90	85	88	89
4303698	89	84	89	87
4303700	89	86	90	88
4303701	89	83	90	86
Blank	89	84	90	87
LCS	91	90	92	92
MS	91	88	90	91
MSD	90	87	91	89
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D041881AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303699	90	85	89	87
Blank	91	86	87	89
LCS	92	89	91	91
MS	89	84	90	90
MSD	93	92	91	96
Limits:	70-129	70-121	70-130	70-128

Analysis Name: EPA SW 846/8260 - Soil
Batch number: D041901AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902155
Reported: 07/16/04 at 02:41 PM

Surrogate Quality Control

4303681	92	84	88	87
Blank	93	87	87	89
LCS	94	90	89	91
MS	95	91	87	91
MSD	92	85	89	89
Limits:	70-129	70-121	70-130	70-128

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

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(1 of 3)

063004-13

Acct. #: 10880 Sample #: 4303680-701 SCR#:

For Lancaster Laboratories use only — Grp #902155

Facility #: Former Chevron 9-0020
Site Address: 1633 Harrison St. Oakland
Chevron PM: Streich Lead Consultant:
Consultant/Office: Cambria
Consultant Prj. Mgr.: Foss
Consultant Phone #: 510 420 3350 Fax #: 510 420 9170
Sampler: Sarah Owen
Service Order #: ☐ Non SAR:

Analyses Requested / **Preservation Codes**

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	~~5 oxys 8260~~	~~EDB 8260~~	HVOCs by 8260 (Chevron full list)		
B17@5	S		5	6/28/04	8:30	yes	X		1	X	X									
B17@10	↓		10	↓	8:40	↓	↓		↓	↓	↓							X		
B17@20			20		9:15															
B19@5			5		10:30															
B19@10			10		10:55															
B19@20			20		11:30															
B18@5			5		1:20															
B18@10			10		1:45															
B18@20			20		2:30															
B20@5			5		3:45															
B20@10			10		4:15															
B20@20			20		5:00															

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)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Lady Owen	6/30/04	16:25	Andres Amaya	6/30/04	1625
Andres Amaya	6/30/04	1640	DHL	6/30/04	

Relinquished by Commercial Carrier:
UPS FedEx (Other)

Received by: [signature] Date: 7/1/04 Time: 0840

Temperature Upon Receipt 2-2.5 C°

Custody Seals Intact? (Yes) No

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2 of 3

Grp # 902155

For Lancaster Laboratories use only

Acct. #: 10880 Sample #: 4303680-707 SCR#:

063004-13

Facility #: Former Chevron 9-0020

Site Address: 1633 Harrison St. Oakland

Chevron PM: Streich Lead Consultant:

Consultant/Office: Cambria

Consultant Prj. Mgr.: Eno

Consultant Phone #: 510 420 3350 Fax #: 510 420 9170

Sampler: Sarah Owen

Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	12 OXYS 8260	EDB 8260				
B21@5	S		5	6/29/04	840	yes	X		1	X	X										
B21@10			10		1015																
~~B21@20~~			~~20~~																		
B22@5			5		935																
B22@10			10		1115																
B22@20			20		1130																
B24@5			5		1045																
B24@10			10		1:15											X	X				
B24@20			20		2:00											X	X				
B23@5			5		100																
B23@10			10		408																

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)
Disk

	Date	Time
Relinquished by: Sarah Cole Owen	6/30/04	1625
Relinquished by: Andrea Amaya	6/30/04	1640
Relinquished by:	Date	Time

Relinquished by Commercial Carrier: UPS FedEx Other

Temperature Upon Receipt: 2 – 2.5 C°

	Date	Time
Received by: Andrea Amaya	6/30/04	1625
Received by: DHL	6/30/04	
Received by:	Date	Time
Received by:	7/1/04	0840

Custody Seals Intact? Yes No

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 902147. Samples arrived at the laboratory on Thursday, July 01, 2004. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B17-W-040628	Grab	Water	4303627
B18-W-040628	Grab	Water	4303628
B19-W-040628	Grab	Water	4303629
B20-W-040628	Grab	Water	4303630
B22-W-040629	Grab	Water	4303631
B24-W-040629	Grab	Water	4303632

1 COPY TO Cambria Environmental Attn: Bob Foss

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Robin C. Runkle
Senior Chemist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 4303627

B17-W-040628 **Grab** **Water**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 10:00 by SO Account Number: 10880

Submitted: 07/01/2004 08:40 ChevronTexaco
Reported: 07/16/2004 at 13:26 6001 Bollinger Canyon Rd L4310
Discard: 08/16/2004 San Ramon CA 94583

B17CM

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.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.	0.8	ug/l	1
05396	Chloroform	67-66-3	14.	0.8	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	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
05403	Trichloroethene	79-01-6	2.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	31.	0.8	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05383	EPA SW846/8260 (water) cont					
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1

Lancaster Laboratories Sample No. WW 4303627

B17-W-040628 **Grab** **Water**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 10:00 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B17CM

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05416	m+p-Xylene	1330-20-7	N.D.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05420	Isopropylbenzene	98-82-8	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	ug/l	1
05424	n-Propylbenzene	103-65-1	N.D.	1.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	1.	1.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	4.	1.	ug/l	1
05430	sec-Butylbenzene	135-98-8	N.D.	1.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	1.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	ug/l	1
05439	Naphthalene	91-20-3	N.D.	1.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1

Lancaster Laboratories Sample No. WW 4303627

B17-W-040628 **Grab** **Water**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B17**
Collected:06/28/2004 10:00 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B17CM

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
08203	Freon 113	76-13-1	N.D.	2.	ug/l	1

Trip blank vials were not received by the laboratory for this sample group.
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 Method	1	07/06/2004 14:03	Michael F Barrow	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	07/12/2004 11:38	Joshua P Schaeffer	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	07/12/2004 11:38	Joshua P Schaeffer	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	07/12/2004 11:38	Joshua P Schaeffer	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/06/2004 14:03	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/12/2004 11:38	Joshua P Schaeffer	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4303628

B18-W-040628 Grab Water
Facility# 90020 CETO
1633 Harrison - Oakland T0600100304 B19
Collected:06/28/2004 12:10 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B19HO

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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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 Method	1	07/06/2004 14:47	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	07/08/2004 01:26	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/06/2004 14:47	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/08/2004 01:26	Marc S Neal	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4303629

B19-W-040628 **Grab** **Water**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B18**
Collected:06/28/2004 15:15 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B18OK

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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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 Method	1	07/06/2004 12:57	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	07/08/2004 01:53	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/06/2004 12:57	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/08/2004 01:53	Marc S Neal	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4303630

B20-W-040628 Grab Water
Facility# 90020 CETO
1633 Harrison - Oakland T0600100304 B20
Collected:06/28/2004 17:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B20CM

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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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 Method	1	07/06/2004 15:20	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	07/08/2004 02:21	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/06/2004 15:20	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/08/2004 02:21	Marc S Neal	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4303631

B22-W-040629 Grab Water
Facility# 90020 CETO
1633 Harrison - Oakland T0600100304 B22
Collected: 06/29/2004 12:05 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B22OK

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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	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 Method	1	07/07/2004 02:20	K. Robert Caulfeild-James	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	07/08/2004 02:48	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/07/2004 02:20	K. Robert Caulfeild-James	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/08/2004 02:48	Marc S Neal	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 4303632

B24-W-040629 **Grab** **Water**
Facility# 90020 **CETO**
1633 Harrison - Oakland **T0600100304** **B24**
Collected:06/29/2004 14:30 by SO

Account Number: 10880

Submitted: 07/01/2004 08:40
Reported: 07/16/2004 at 13:26
Discard: 08/16/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B24CM

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.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	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 Method	1	07/07/2004 02:51	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/07/2004 21:31	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/07/2004 02:51	K. Robert Caulfeild-James	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/07/2004 21:31	Shawn J Rice	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/16/04 at 01:26 PM

Group Number: 902147

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: 04184A07D	Sample number(s): 4303627-4303630							
TPH-GRO - Waters	N.D.	50.	ug/l	96	103	70-130	6	30
Batch number: 04188A16A	Sample number(s): 4303631-4303632							
TPH-GRO - Waters	N.D.	50.	ug/l	95	111	70-130	16	30
Batch number: N041901AC	Sample number(s): 4303627							
Ethanol	N.D.	50.	ug/l	100		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	103		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	104		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	104		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	105		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	106		57-141		
Dichlorodifluoromethane	N.D.	2.	ug/l	102		56-172		
Chloromethane	N.D.	1.	ug/l	101		69-136		
Vinyl Chloride	N.D.	1.	ug/l	100		71-129		
Bromomethane	N.D.	1.	ug/l	102		46-138		
Chloroethane	N.D.	1.	ug/l	105		59-133		
Trichlorofluoromethane	N.D.	2.	ug/l	103		59-137		
1,1-Dichloroethene	N.D.	0.8	ug/l	98		79-130		
Methylene Chloride	N.D.	2.	ug/l	102		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	100		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	102		83-127		
2,2-Dichloropropane	N.D.	1.	ug/l	102		79-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	102		84-117		
Chloroform	N.D.	0.8	ug/l	103		86-124		
Bromochloromethane	N.D.	1.	ug/l	87		63-125		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	100		77-130		
1,1-Dichloropropene	N.D.	1.	ug/l	99		84-116		
Benzene	N.D.	0.5	ug/l	102		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	103		77-132		
Trichloroethene	N.D.	1.	ug/l	102		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	103		80-117		
Dibromomethane	N.D.	1.	ug/l	105		87-117		
Bromodichloromethane	N.D.	1.	ug/l	102		83-121		
Toluene	N.D.	0.5	ug/l	101		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	101		82-126		
1,3-Dichloropropane	N.D.	1.	ug/l	103		84-119		
Dibromochloromethane	N.D.	1.	ug/l	101		78-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	103		81-114		
Chlorobenzene	N.D.	0.8	ug/l	103		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	102		83-114		

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902147
Reported: 07/16/04 at 01:26 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	N.D.	0.5	ug/l	102		82-119		
m+p-Xylene	N.D.	0.5	ug/l	102		84-120		
o-Xylene	N.D.	0.5	ug/l	102		84-120		
Styrene	N.D.	1.	ug/l	101		84-117		
Bromoform	N.D.	1.	ug/l	101		69-118		
Isopropylbenzene	N.D.	1.	ug/l	100		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	102		72-119		
Bromobenzene	N.D.	1.	ug/l	103		80-118		
1,2,3-Trichloropropane	N.D.	1.	ug/l	103		78-117		
n-Propylbenzene	N.D.	1.	ug/l	101		78-119		
2-Chlorotoluene	N.D.	1.	ug/l	101		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	100		78-116		
4-Chlorotoluene	N.D.	1.	ug/l	103		80-112		
tert-Butylbenzene	N.D.	1.	ug/l	100		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	100		78-117		
sec-Butylbenzene	N.D.	1.	ug/l	97		72-120		
p-Isopropyltoluene	N.D.	1.	ug/l	96		72-118		
1,3-Dichlorobenzene	N.D.	1.	ug/l	101		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	102		84-116		
n-Butylbenzene	N.D.	1.	ug/l	94		70-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	101		81-112		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	99		59-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	95		65-114		
Hexachlorobutadiene	N.D.	2.	ug/l	76		56-120		
Naphthalene	N.D.	1.	ug/l	97		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	96		67-114		
Acetone	N.D.	6.	ug/l	134		22-179		
Carbon Disulfide	N.D.	1.	ug/l	101		73-143		
2-Butanone	N.D.	3.	ug/l	129		45-154		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	101		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	102		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	101		65-125		
2-Hexanone	N.D.	3.	ug/l	113		47-150		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	105		60-129		
Freon 113	N.D.	2.	ug/l	99		73-140		
Batch number: P041892AA	Sample number(s): 4303632							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	111		77-127		
Benzene	N.D.	0.5	ug/l	110		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	110		77-132		
Toluene	N.D.	0.5	ug/l	110		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	108		81-114		
Ethylbenzene	N.D.	0.5	ug/l	112		82-119		
Xylene (Total)	N.D.	0.5	ug/l	113		84-120		
Batch number: Z041893AA	Sample number(s): 4303628-4303631							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	103		77-127		
Benzene	N.D.	0.5	ug/l	98		85-117		
Toluene	N.D.	0.5	ug/l	98		85-115		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	92		84-120		

Sample Matrix Quality Control

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902147
Reported: 07/16/04 at 01:26 PM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04184A07D	Sample number(s): 4303627-4303630								
TPH-GRO - Waters	93		63-154						
Batch number: 04188A16A	Sample number(s): 4303631-4303632								
TPH-GRO - Waters	101		63-154						
Batch number: N041901AC	Sample number(s): 4303627								
Ethanol	90	84	41-155	7	30				
Methyl Tertiary Butyl Ether	100	106	69-134	5	30				
di-Isopropyl ether	103	105	75-130	2	30				
Ethyl t-butyl ether	104	106	78-119	2	30				
t-Amyl methyl ether	102	106	77-117	3	30				
t-Butyl alcohol	99	102	51-147	3	30				
Dichlorodifluoromethane	119	125	57-201	5	30				
Chloromethane	104	109	70-148	5	30				
Vinyl Chloride	107	112	70-151	5	30				
Bromomethane	104	109	52-140	5	30				
Chloroethane	108	113	63-142	5	30				
Trichlorofluoromethane	113	122	67-163	7	30				
1,1-Dichloroethene	108	112	78-146	4	30				
Methylene Chloride	100	103	79-133	3	30				
trans-1,2-Dichloroethene	101	106	82-133	5	30				
1,1-Dichloroethane	103	108	85-135	5	30				
2,2-Dichloropropane	104	107	78-134	3	30				
cis-1,2-Dichloroethene	102	105	83-126	3	30				
Chloroform	102	106	82-131	4	30				
Bromochloromethane	85	88	60-130	3	30				
1,1,1-Trichloroethane	106	109	82-135	3	30				
Carbon Tetrachloride	107	110	73-144	3	30				
1,1-Dichloropropene	108	110	87-127	2	30				
Benzene	103	107	83-128	3	30				
1,2-Dichloroethane	100	104	73-136	4	30				
Trichloroethene	105	109	75-135	4	30				
1,2-Dichloropropane	102	107	81-121	5	30				
Dibromomethane	101	105	83-120	4	30				
Bromodichloromethane	100	104	83-121	4	30				
Toluene	103	108	83-127	5	30				
1,1,2-Trichloroethane	99	103	77-125	4	30				
Tetrachloroethene	105	108	75-143	3	30				
1,3-Dichloropropane	100	105	82-121	5	30				
Dibromochloromethane	98	102	73-119	4	30				
1,2-Dibromoethane	99	105	78-120	6	30				
Chlorobenzene	104	108	83-120	4	30				
1,1,1,2-Tetrachloroethane	100	104	83-119	4	30				
Ethylbenzene	103	107	82-129	4	30				
m+p-Xylene	102	108	82-130	5	30				
o-Xylene	102	106	82-130	4	30				
Styrene	101	106	76-126	5	30				
Bromoform	95	102	64-119	7	30				
Isopropylbenzene	102	107	81-130	4	30				
1,1,2,2-Tetrachloroethane	99	104	69-121	5	30				
Bromobenzene	101	106	83-121	5	30				
1,2,3-Trichloropropane	101	104	73-125	3	30				
n-Propylbenzene	106	108	78-131	2	30				
2-Chlorotoluene	104	106	78-121	2	30				
1,3,5-Trimethylbenzene	103	106	77-124	3	30				

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 902147
Reported: 07/16/04 at 01:26 PM

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
4-Chlorotoluene	103	108	81-123	4	30				
tert-Butylbenzene	105	108	76-128	3	30				
1,2,4-Trimethylbenzene	103	106	75-132	3	30				
sec-Butylbenzene	105	106	73-129	1	30				
p-Isopropyltoluene	104	104	72-128	0	30				
1,3-Dichlorobenzene	102	105	79-123	3	30				
1,4-Dichlorobenzene	101	106	81-122	5	30				
n-Butylbenzene	103	103	66-131	0	30				
1,2-Dichlorobenzene	101	105	82-117	4	30				
1,2-Dibromo-3-chloropropane	96	98	53-125	3	30				
1,2,4-Trichlorobenzene	98	99	66-121	1	30				
Hexachlorobutadiene	88	87	52-132	2	30				
Naphthalene	96	100	59-124	4	30				
1,2,3-Trichlorobenzene	97	100	66-121	3	30				
Acetone	64	69	12-153	6	30				
Carbon Disulfide	104	107	77-155	3	30				
2-Butanone	85	89	42-140	5	30				
trans-1,3-Dichloropropene	100	104	75-117	4	30				
cis-1,3-Dichloropropene	102	105	76-117	3	30				
4-Methyl-2-pentanone	96	98	61-126	3	30				
2-Hexanone	91	95	44-140	5	30				
2-Chloroethyl Vinyl Ether	0*	0*	1-172	0	30				
Freon 113	113	118	73-166	4	30				
Batch number: P041892AA	Sample number(s): 4303632								
Methyl Tertiary Butyl Ether	109	97	69-134	12	30				
Benzene	112	98	83-128	13	30				
1,2-Dichloroethane	107	96	73-136	11	30				
Toluene	112	101	83-127	11	30				
1,2-Dibromoethane	107	97	78-120	11	30				
Ethylbenzene	114	102	82-129	11	30				
Xylene (Total)	112	102	82-130	10	30				
Batch number: Z041893AA	Sample number(s): 4303628-4303631								
Methyl Tertiary Butyl Ether	121	122	69-134	0	30				
Benzene	111	111	83-128	0	30				
Toluene	106	107	83-127	0	30				
Ethylbenzene	106	106	82-129	1	30				
Xylene (Total)	101	101	82-130	0	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 04184A07D
Trifluorotoluene-F

4303627	103
4303628	104
4303629	103
4303630	103
Blank	103
LCS	124

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

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 902147
Reported: 07/16/04 at 01:26 PM

Surrogate Quality Control

LCSD	126
MS	124
Limits:	57-146

Analysis Name: TPH-GRO - Waters
Batch number: 04188A16A

	Trifluorotoluene-F
4303631	109
4303632	119
Blank	114
LCS	122
LCSD	110
MS	119
Limits:	57-146

Analysis Name: EPA SW846/8260 (water)
Batch number: N041901AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303627	106	104	108	109
Blank	105	103	108	106
LCS	104	103	108	109
MS	105	106	109	109
MSD	104	104	108	109
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: P041892AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303632	108	104	108	104
Blank	107	103	107	104
LCS	110	108	110	109
MS	108	103	107	105
MSD	107	103	108	106
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z041893AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4303628	91	89	96	86
4303629	91	90	97	87
4303630	91	89	96	87
4303631	91	90	96	86
Blank	90	90	97	85
LCS	90	89	97	89
MS	91	90	95	88
MSD	91	90	96	89
Limits:	81-120	82-112	85-112	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.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 902147
Reported: 07/16/04 at 01:26 PM

*- 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.

Lancaster Laboratories
Where quality is a science.

Acct. #: 10880 For Lancaster Laboratories use only: Group # 902147 Sample #: 430362T-32 SCR#:

063004-12

Facility #: Fmr Chevron 9-0020
Site Address: 1633 Harrison Oakland
Chevron PM: Streich Lead Consultant:
Consultant/Office: Cambria
Consultant Prj. Mgr.: Foss
Consultant Phone #: 510 420 3350 Fax #: 510 420 9170
Sampler: Sarah Owen
Service Order #: ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260	EDB 8260	Chevron full scan 8260 VOCs	
										Preservation Codes						H	H		
B17	W			6/28/04	1000	Yes	X		4	X	X							X	
B19					1210														
B18					315														
B20					580														
~~B21~~				~~6/29/04~~															
B22				6/29/04	1205														
B24					2:30											X	X		
~~Blank~~																			

Analyses Requested

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)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Coby Owen	6/30/04	1625	Cinches Umaye	6/30/04	1625
Cinches Umaye	6/30/04	1640	DHL	7/3/04	

Relinquished by Commercial Carrier: UPS FedEx Other
Temperature Upon Receipt 2 -25° C°

Received by: Custody Seals Intact? Yes No 7/1/04 0840

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 907935. Samples arrived at the laboratory on Friday, August 13, 2004. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B23A-S-29.5-040729	Grab	Soil	4331612

1 COPY TO Cambria Emeryville Attn: Ms. Dorothy Truslow

Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Dana M Kauffman

Dana M. Kauffman
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 4331612

B23A-S-29.5-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B23A
Collected:07/29/2004 11:45 by SO

Account Number: 10880

Submitted: 08/13/2004 18:00
Reported: 08/18/2004 at 17:13
Discard: 09/18/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B23A-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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. The client requested we analyze and report this sample even though the 14-day holding time was exceeded.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/17/2004 16:41	Martha L Seidel	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	08/17/2004 18:27	Elizabeth M Taylor	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/17/2004 13:50	Roy R Mellott Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/16/2004 19:59	Eric L Vera	n.a.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 907935
Reported: 08/18/04 at 05:13 PM

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: 04230A33A	Sample number(s): 4331612							
TPH-GRO - Soils	N.D.	1.0	mg/kg	105		67-119		
Batch number: D042301AB	Sample number(s): 4331612							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	100		75-125		
Benzene	N.D.	0.5	ug/kg	109		77-119		
Toluene	N.D.	1.	ug/kg	111		81-116		
Ethylbenzene	N.D.	1.	ug/kg	110		82-115		
Xylene (Total)	N.D.	1.	ug/kg	111		82-117		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04230A33A	Sample number(s): 4331612								
TPH-GRO - Soils	109	110	39-118	0	30				
Batch number: D042301AB	Sample number(s): 4331612								
Methyl Tertiary Butyl Ether	89	83	49-140	6	30				
Benzene	103	100	58-126	2	30				
Toluene	109	106	55-125	1	30				
Ethylbenzene	107	104	50-127	2	30				
Xylene (Total)	106	102	54-123	2	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 04230A33A

	Trifluorotoluene-F
4331612	87
Blank	102
LCS	114
MS	92
MSD	94
Limits:	61-122

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

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 907935
Reported: 08/18/04 at 05:13 PM

Surrogate Quality Control

Analysis Name: BTEX+MTBE by 8260B
Batch number: D042301AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4331612	105	98	111	95
Blank	107	97	110	95
LCS	107	105	110	99
MS	107	95	115	94
MSD	106	94	117	92
Limits:	70-129	70-121	70-130	70-128

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

907935
4331612
073004-11

3 of 3

Acct. #: 10880

For Lancaster Laboratories use only
Sample #: 906126 / 4322385-96

906140
SCR#: 4322458-59

Facility #:	9-0020
Site Address:	1633 Harrison St. Oakland
Chevron PM:	Streich
Lead Consultant:	
Consultant/Office:	Cambria
Consultant Prj. Mgr.:	Foss
Consultant Phone #:	510 420 3350
Fax #:	510 420 9170
Sampler:	Sarah Owen
Service Order #:	
☐ Non SAR:	

Analyses Requested

Preservation Codes

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

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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260	EDB 8260	HVOC 8260 shorter full scan	HOLD
B23A @ 25	S		5	7/29/04	9:20	yes	X		1										X
~~B23A @ 10~~																			
B23A @ 13			13		10:50					X	X								
B23A @ 15			15		10:58					X	X							X	
B23A @ 19			19		11:20					X	X								
B23A @ 23.5			23.5		11:20					X	X								
B23A @ 25			25		11:40					X	X								
B23A @ 29.5			29.5		11:45														X
B25 @ 5			5		3:45					X	X					X	X		
B25 @ 10			10		4:25					X	X					X	X	X	
B25 @ 15			15		4:30					X	X					X	X		
B25 @ 20			20		4:45					X	X					X	X		

Comments / Remarks
If B23A @ 25 has any detections, analyze B23A @ 29.5 too.

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 VI (Raw Data)
WIP (RWQCB)
Disk
Type I – Full
☐ Coelt Deliverable not needed

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Cody Owen	7/30/04	3pm		7/31/04	1000
Relinquished by:	Date	Time	Received by:	Date	Time
				7/31/04	1000
Relinquished by:	Date	Time	Received by:	Date	Time
	7/31/04	1625	DHL	8/3/04	
Relinquished by Commercial Carrier: UPS FedEx (Other)			Received by:	Date	Time
				7/31/04	0900
Temperature Upon Receipt 3.5 C°			Custody Seals Intact? (Yes) No		

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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Analysis Report

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ANALYTICAL RESULTS

Prepared for:

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 906126. Samples arrived at the laboratory on Saturday, July 31, 2004. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
B-25-S-25-040729	Grab	Soil	4322385
B-23A-S-13-040729	Grab	Soil	4322386
B-23A-S-15-040729	Grab	Soil	4322387
B-23A-S-19-040729	Grab	Soil	4322388
B-23A-S-23.5-040729	Grab	Soil	4322389
B-23A-S-25-040729	Grab	Soil	4322390
B-25-S-5-040729	Grab	Soil	4322391
B-25-S-10-040729	Grab	Soil	4322392
B-25-S-15-040729	Grab	Soil	4322393
B-25-S-20-040729	Grab	Soil	4322394
B-23A-W-040729	Grab	Water	4322395
B-25-W-040729	Grab	Water	4322396

1 COPY TO Cambria Environmental Attn: Bob Foss

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Questions? Contact your Client Services Representative
Alison M O'Connor at (717) 656-2300.

Respectfully Submitted,

Victoria M. Martell
Chemist

Lancaster Laboratories

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Analysis Report

REPRINT

Lancaster Laboratories Sample No. SW 4322385

B-25-S-25-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 17:00 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:18
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B2525

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 09:31	Stephanie A Selis	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/05/2004 13:21	Carrie J Stock	0.99
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 11:13	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:10	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4322386

B-23A-S-13-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 10:50 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:18
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
06293	Acetone	67-64-1	0.021	0.007	mg/kg	1
06294	Carbon Disulfide	75-15-0	N.D.	0.001	mg/kg	1
06296	2-Butanone	78-93-3	0.006	0.004	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1
05450	Methylene Chloride	75-09-2	0.003	0.002	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1

Lancaster Laboratories Sample No. SW 4322386

B-23A-S-13-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 10:50 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:18
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1
05464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	mg/kg	1
05442	EPA SW846/8260 (soil) cont					
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
05475	m+p-Xylene	1330-20-7	N.D.	0.001	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.001	mg/kg	1
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1
05479	Isopropylbenzene	98-82-8	N.D.	0.001	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1
05483	n-Propylbenzene	103-65-1	N.D.	0.001	mg/kg	1
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	mg/kg	1
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	mg/kg	1
05489	sec-Butylbenzene	135-98-8	N.D.	0.001	mg/kg	1
05490	p-Isopropyltoluene	99-87-6	N.D.	0.001	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1
05493	n-Butylbenzene	104-51-8	N.D.	0.001	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1

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Analysis Report

Lancaster Laboratories Sample No. SW 4322386

B-23A-S-13-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 10:50 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:18
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05498	Naphthalene	91-20-3	N.D.	0.001	mg/kg	1
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 10:08	Stephanie A Selis	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	08/05/2004 19:00	Elizabeth M Taylor	1
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	08/05/2004 19:00	Elizabeth M Taylor	1
05442	EPA SW846/8260 (soil) cont	SW-846 8260B	1	08/05/2004 19:00	Elizabeth M Taylor	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 12:35	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:17	Eric L Vera	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 4322387

B-23A-S-15-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 10:58 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 15:40	Martha L Seidel	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	08/05/2004 17:35	Elizabeth M Taylor	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 10:00	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:20	Eric L Vera	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 4322388

B-23A-S-19-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 11:20 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	2,400.	200.	mg/kg	5000
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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. A poor surrogate recovery was observed due to the dilution needed to perform the analysis.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.062	mg/kg	124.38
05460	Benzene	71-43-2	N.D.	0.062	mg/kg	124.38
05466	Toluene	108-88-3	N.D.	0.12	mg/kg	124.38
05474	Ethylbenzene	100-41-4	1.7	0.12	mg/kg	124.38
06301	Xylene (Total)	1330-20-7	4.1	0.12	mg/kg	124.38
	The GC/MS volatile analysis was performed according to the medium level soil method due to the level of target compounds. Therefore, the reporting limits were raised.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 11:21	Martha L Seidel	5000
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	08/11/2004 01:25	Marla S Lord	124.38
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 07:42	Kenneth L Boley Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:23	Eric L Vera	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. SW 4322389

B-23A-S-23.5-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 11:20 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23A25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	240.	10.	mg/kg	250
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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. A poor surrogate recovery was observed due to the dilution needed to perform the analysis.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.062	mg/kg	123.76
05460	Benzene	71-43-2	N.D.	0.062	mg/kg	123.76
05466	Toluene	108-88-3	N.D.	0.12	mg/kg	123.76
05474	Ethylbenzene	100-41-4	N.D.	0.12	mg/kg	123.76
06301	Xylene (Total)	1330-20-7	N.D.	0.12	mg/kg	123.76
	The GC/MS volatile analysis was performed according to the medium level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 11:58	Martha L Seidel	250
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	08/05/2004 22:30	Kenneth L Boley Jr	123.76
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 07:44	Kenneth L Boley Jr	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:29	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4322390

B-23A-S-25-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 11:40 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23-25

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	4.2	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07360	BTEX+MTBE by 8260B					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.001	mg/kg	2
05460	Benzene	71-43-2	N.D.	0.001	mg/kg	2
05466	Toluene	108-88-3	N.D.	0.002	mg/kg	2
05474	Ethylbenzene	100-41-4	0.003	0.002	mg/kg	2
06301	Xylene (Total)	1330-20-7	N.D.	0.002	mg/kg	2
	The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 12:35	Martha L Seidel	25
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	08/06/2004 19:22	Carrie J Stock	2
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/06/2004 11:01	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 17:33	Eric L Vera	n.a.

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Analysis Report

REPRINT

Lancaster Laboratories Sample No. SW 4322391

B-25-S-5-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 15:45 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25A5~

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 14:26	Martha L Seidel	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/05/2004 13:45	Carrie J Stock	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 09:54	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 18:21	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4322392

B-25-S-10-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 16:25 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2510-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
06293	Acetone	67-64-1	N.D.	0.007	mg/kg	1.01
06294	Carbon Disulfide	75-15-0	N.D.	0.001	mg/kg	1.01
06296	2-Butanone	78-93-3	N.D.	0.004	mg/kg	1.01
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	mg/kg	1.01
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	mg/kg	1.01
06299	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	mg/kg	1.01
06300	2-Hexanone	591-78-6	N.D.	0.003	mg/kg	1.01
07585	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	mg/kg	1.01
08199	Freon 113	76-13-1	N.D.	0.002	mg/kg	1.01
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	0.002	mg/kg	1.01
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	1.01
05445	Vinyl Chloride	75-01-4	N.D.	0.001	mg/kg	1.01
05446	Bromomethane	74-83-9	N.D.	0.002	mg/kg	1.01
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	1.01
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	1.01
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	1.01
05450	Methylene Chloride	75-09-2	0.002	0.002	mg/kg	1.01
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	1.01
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	1.01
05453	2,2-Dichloropropane	594-20-7	N.D.	0.001	mg/kg	1.01
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	1.01
05455	Chloroform	67-66-3	N.D.	0.001	mg/kg	1.01
05456	Bromochloromethane	74-97-5	N.D.	0.001	mg/kg	1.01
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	1.01
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	1.01

Lancaster Laboratories Sample No. SW 4322392

B-25-S-10-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 16:25 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2510-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05459	1,1-Dichloropropene	563-58-6	N.D.	0.001	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05462	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	1.01
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	1.01
05464	Dibromomethane	74-95-3	N.D.	0.001	mg/kg	1.01
05465	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	mg/kg	1.01
05468	Tetrachloroethene	127-18-4	N.D.	0.001	mg/kg	1.01
05469	1,3-Dichloropropane	142-28-9	N.D.	0.001	mg/kg	1.01
05470	Dibromochloromethane	124-48-1	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05472	Chlorobenzene	108-90-7	N.D.	0.001	mg/kg	1.01
05442	EPA SW846/8260 (soil) cont					
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
05475	m+p-Xylene	1330-20-7	N.D.	0.001	mg/kg	1.01
05476	o-Xylene	95-47-6	N.D.	0.001	mg/kg	1.01
05477	Styrene	100-42-5	N.D.	0.001	mg/kg	1.01
05478	Bromoform	75-25-2	N.D.	0.001	mg/kg	1.01
05479	Isopropylbenzene	98-82-8	N.D.	0.001	mg/kg	1.01
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	1.01
05481	Bromobenzene	108-86-1	N.D.	0.001	mg/kg	1.01
05482	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	mg/kg	1.01
05483	n-Propylbenzene	103-65-1	N.D.	0.001	mg/kg	1.01
05484	2-Chlorotoluene	95-49-8	N.D.	0.001	mg/kg	1.01
05485	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	mg/kg	1.01
05486	4-Chlorotoluene	106-43-4	N.D.	0.001	mg/kg	1.01
05487	tert-Butylbenzene	98-06-6	N.D.	0.001	mg/kg	1.01
05488	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	mg/kg	1.01
05489	sec-Butylbenzene	135-98-8	N.D.	0.001	mg/kg	1.01
05490	p-Isopropyltoluene	99-87-6	N.D.	0.001	mg/kg	1.01
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	1.01
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	mg/kg	1.01
05493	n-Butylbenzene	104-51-8	N.D.	0.001	mg/kg	1.01
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	mg/kg	1.01
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	mg/kg	1.01
05496	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	mg/kg	1.01
05497	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/kg	1.01

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Analysis Report

REPRINT

Lancaster Laboratories Sample No. SW 4322392

B-25-S-10-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 16:25 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2510-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05498	Naphthalene	91-20-3	N.D.	0.001	mg/kg	1.01
05499	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/05/2004 15:03	Martha L Seidel	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	08/05/2004 19:29	Elizabeth M Taylor	1.01
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	08/05/2004 19:29	Elizabeth M Taylor	1.01
05442	EPA SW846/8260 (soil) cont	SW-846 8260B	1	08/05/2004 19:29	Elizabeth M Taylor	1.01
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 12:36	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 18:26	Eric L Vera	n.a.

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Analysis Report

REPRINT

Lancaster Laboratories Sample No. SW 4322393

B-25-S-15-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 16:30 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2515-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/06/2004 00:38	Deborah S Garrison	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/05/2004 14:13	Carrie J Stock	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 09:56	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 18:30	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 4322394

B-25-S-20-040729 Grab Soil
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 16:45 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2520-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. 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.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	N. CA LUFT Gasoline method	1	08/06/2004 01:15	Deborah S Garrison	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	08/05/2004 14:42	Carrie J Stock	1
00374	GC/MS VOA Soil Prep	SW-846 5030A	1	08/05/2004 09:58	Carrie J Stock	n.a.
01150	GC VOA Soil Prep	SW-846 5035	1	08/04/2004 18:35	Eric L Vera	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4322395

B-23A-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 12:10 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23AWW

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	12,000.	2,500.	ug/l	50
	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.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	4.	ug/l	2
05385	Chloromethane	74-87-3	N.D.	2.	ug/l	2
05386	Vinyl Chloride	75-01-4	N.D.	2.	ug/l	2
05387	Bromomethane	74-83-9	N.D.	2.	ug/l	2
05388	Chloroethane	75-00-3	N.D.	2.	ug/l	2
05389	Trichlorofluoromethane	75-69-4	N.D.	4.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	N.D.	2.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.	4.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	2.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	N.D.	2.	ug/l	2
05394	2,2-Dichloropropane	594-20-7	N.D.	2.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	2.	ug/l	2
05396	Chloroform	67-66-3	N.D.	2.	ug/l	2
05397	Bromochloromethane	74-97-5	N.D.	2.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	N.D.	2.	ug/l	2
05399	Carbon Tetrachloride	56-23-5	N.D.	2.	ug/l	2
05400	1,1-Dichloropropene	563-58-6	N.D.	2.	ug/l	2
05401	Benzene	71-43-2	17.	1.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	2
05403	Trichloroethene	79-01-6	N.D.	2.	ug/l	2
05404	1,2-Dichloropropane	78-87-5	N.D.	2.	ug/l	2
05405	Dibromomethane	74-95-3	N.D.	2.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.	2.	ug/l	2
05407	Toluene	108-88-3	53.	1.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.	2.	ug/l	2
05409	Tetrachloroethene	127-18-4	N.D.	2.	ug/l	2
05410	1,3-Dichloropropane	142-28-9	N.D.	2.	ug/l	2
05411	Dibromochloromethane	124-48-1	N.D.	2.	ug/l	2
05412	1,2-Dibromoethane	106-93-4	N.D.	1.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.	2.	ug/l	2
05383	EPA SW846/8260 (water) cont					
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.	ug/l	2
05415	Ethylbenzene	100-41-4	180.	1.	ug/l	2

Lancaster Laboratories Sample No. WW 4322395

B-23A-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 12:10 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23AWW

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05416	m+p-Xylene	1330-20-7	340.	1.	ug/l	2
05417	o-Xylene	95-47-6	20.	1.	ug/l	2
05418	Styrene	100-42-5	N.D.	2.	ug/l	2
05419	Bromoform	75-25-2	N.D.	2.	ug/l	2
05420	Isopropylbenzene	98-82-8	120.	2.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.	ug/l	2
05422	Bromobenzene	108-86-1	N.D.	2.	ug/l	2
05423	1,2,3-Trichloropropane	96-18-4	N.D.	2.	ug/l	2
05424	n-Propylbenzene	103-65-1	180.	2.	ug/l	2
05425	2-Chlorotoluene	95-49-8	N.D.	2.	ug/l	2
05426	1,3,5-Trimethylbenzene	108-67-8	190.	2.	ug/l	2
05427	4-Chlorotoluene	106-43-4	N.D.	2.	ug/l	2
05428	tert-Butylbenzene	98-06-6	6.	2.	ug/l	2
05429	1,2,4-Trimethylbenzene	95-63-6	380.	2.	ug/l	2
05430	sec-Butylbenzene	135-98-8	24.	2.	ug/l	2
05431	p-Isopropyltoluene	99-87-6	45.	2.	ug/l	2
05432	1,3-Dichlorobenzene	541-73-1	N.D.	2.	ug/l	2
05433	1,4-Dichlorobenzene	106-46-7	N.D.	2.	ug/l	2
05434	n-Butylbenzene	104-51-8	N.D.	2.	ug/l	2
05435	1,2-Dichlorobenzene	95-50-1	N.D.	2.	ug/l	2
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	4.	ug/l	2
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	2.	ug/l	2
05438	Hexachlorobutadiene	87-68-3	N.D.	4.	ug/l	2
05439	Naphthalene	91-20-3	120.	2.	ug/l	2
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	2.	ug/l	2
08202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	100.	ug/l	2
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	ug/l	2
02011	di-Isopropyl ether	108-20-3	N.D.	1.	ug/l	2
02013	Ethyl t-butyl ether	637-92-3	N.D.	1.	ug/l	2
02014	t-Amyl methyl ether	994-05-8	N.D.	1.	ug/l	2
02015	t-Butyl alcohol	75-65-0	N.D.	10.	ug/l	2
06302	Acetone	67-64-1	N.D.	12.	ug/l	2
06303	Carbon Disulfide	75-15-0	N.D.	2.	ug/l	2
06305	2-Butanone	78-93-3	8.	6.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.	ug/l	2
06308	4-Methyl-2-pentanone	108-10-1	N.D.	6.	ug/l	2
06309	2-Hexanone	591-78-6	N.D.	6.	ug/l	2
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4.	ug/l	2

Lancaster Laboratories Sample No. WW 4322395

B-23A-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-23A
Collected:07/29/2004 12:10 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:19
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

23AWW

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
08203	Freon 113	76-13-1	N.D.	4.	ug/l	2

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/05/2004 12:39	Victoria M Martell	50
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/05/2004 19:00	Joshua P Schaeffer	2
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	08/05/2004 19:00	Joshua P Schaeffer	2
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/05/2004 19:00	Joshua P Schaeffer	2
01146	GC VOA Water Prep	SW-846 5030B	1	08/05/2004 12:39	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/05/2004 19:00	Joshua P Schaeffer	n.a.

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Analysis Report

REPRINT

Lancaster Laboratories Sample No. WW 4322396

B-25-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 17:30 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:20
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25WW-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	480.	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.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05394	2,2-Dichloropropane	594-20-7	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	8.	0.8	ug/l	1
05397	Bromochloromethane	74-97-5	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05400	1,1-Dichloropropene	563-58-6	N.D.	1.	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
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	3.	0.8	ug/l	1
05410	1,3-Dichloropropane	142-28-9	N.D.	1.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05383	EPA SW846/8260 (water) cont					
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.	ug/l	1
05415	Ethylbenzene	100-41-4	1.	0.5	ug/l	1

Lancaster Laboratories Sample No. WW 4322396

B-25-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 17:30 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:20
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25WW-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05416	m+p-Xylene	1330-20-7	2.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05420	Isopropylbenzene	98-82-8	1.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.	ug/l	1
05424	n-Propylbenzene	103-65-1	2.	1.	ug/l	1
05425	2-Chlorotoluene	95-49-8	N.D.	1.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	5.	1.	ug/l	1
05427	4-Chlorotoluene	106-43-4	N.D.	1.	ug/l	1
05428	tert-Butylbenzene	98-06-6	N.D.	1.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	10.	1.	ug/l	1
05430	sec-Butylbenzene	135-98-8	2.	1.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	3.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05434	n-Butylbenzene	104-51-8	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	N.D.	1.	ug/l	1
05438	Hexachlorobutadiene	87-68-3	N.D.	2.	ug/l	1
05439	Naphthalene	91-20-3	6.	1.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	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	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4322396

B-25-W-040729 Grab Water
Facility# 90020 CETR
1633 Harrison St-Oakland T0600100304 B-25
Collected:07/29/2004 17:30 by SO

Account Number: 10880

Submitted: 07/31/2004 09:15
Reported: 09/10/2004 at 13:20
Discard: 10/11/2004

ChevronTexaco C/O Cambria
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25WW-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
08203	Freon 113	76-13-1	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/05/2004 13:11	Victoria M Martell	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/05/2004 15:58	Joshua P Schaeffer	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	08/05/2004 15:58	Joshua P Schaeffer	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/05/2004 15:58	Joshua P Schaeffer	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/05/2004 13:11	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/05/2004 15:58	Joshua P Schaeffer	n.a.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria
Reported: 09/10/04 at 01:20 PM

Group Number: 906126

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: 04208A33C	Sample number(s): 4322385-4322392							
TPH-GRO - Soils	N.D.	1.0	mg/kg	93		67-119		
Batch number: 04218A07A	Sample number(s): 4322395-4322396							
TPH-GRO - Waters	N.D.	50.	ug/l	99	97	70-130	2	30
Batch number: 04218A33A	Sample number(s): 4322393-4322394							
TPH-GRO - Soils	N.D.	1.0	mg/kg	104		67-119		
Batch number: A042171AC	Sample number(s): 4322385,4322391,4322393-4322394							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	108		75-125		
Benzene	N.D.	0.5	ug/kg	108		77-119		
1,2-Dichloroethane	N.D.	1.	ug/kg	107		76-126		
Toluene	N.D.	1.	ug/kg	102		81-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	99		77-114		
Ethylbenzene	N.D.	1.	ug/kg	101		82-115		
Xylene (Total)	N.D.	1.	ug/kg	100		82-117		
Batch number: A042181AA	Sample number(s): 4322386-4322387,4322392							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	111		75-125		
di-Isopropyl ether	N.D.	1.	ug/kg	108		70-129		
Ethyl t-butyl ether	N.D.	1.	ug/kg	109		71-124		
t-Amyl methyl ether	N.D.	1.	ug/kg	108		63-129		
t-Butyl alcohol	N.D.	20.	ug/kg	157		51-160		
Dichlorodifluoromethane	N.D.	2.	ug/kg	85		47-152		
Chloromethane	N.D.	2.	ug/kg	91		62-132		
Vinyl Chloride	N.D.	1.	ug/kg	93		66-124		
Bromomethane	N.D.	2.	ug/kg	82		53-118		
Chloroethane	N.D.	2.	ug/kg	87		63-120		
Trichlorofluoromethane	N.D.	2.	ug/kg	88		57-134		
1,1-Dichloroethene	N.D.	1.	ug/kg	104		69-133		
Methylene Chloride	N.D.	2.	ug/kg	107		75-120		
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	105		77-124		
1,1-Dichloroethane	N.D.	1.	ug/kg	109		79-124		
2,2-Dichloropropane	N.D.	1.	ug/kg	106		72-123		
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	107		76-120		
Chloroform	N.D.	1.	ug/kg	107		81-117		
Bromochloromethane	N.D.	1.	ug/kg	100		50-127		
1,1,1-Trichloroethane	N.D.	1.	ug/kg	105		72-178		
Carbon Tetrachloride	N.D.	1.	ug/kg	100		69-130		
1,1-Dichloropropene	N.D.	1.	ug/kg	104		75-121		
Benzene	N.D.	0.5	ug/kg	105		77-119		
1,2-Dichloroethane	N.D.	1.	ug/kg	107		76-126		
Trichloroethene	N.D.	1.	ug/kg	106		81-114		

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

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloropropane	N.D.	1.	ug/kg	108		78-119		
Dibromomethane	N.D.	1.	ug/kg	104		75-123		
Bromodichloromethane	N.D.	1.	ug/kg	100		77-116		
Toluene	N.D.	1.	ug/kg	101		81-116		
1,1,2-Trichloroethane	N.D.	1.	ug/kg	101		74-117		
Tetrachloroethene	N.D.	1.	ug/kg	100		73-127		
1,3-Dichloropropane	N.D.	1.	ug/kg	101		74-119		
Dibromochloromethane	N.D.	1.	ug/kg	94		73-116		
1,2-Dibromoethane	N.D.	1.	ug/kg	100		77-114		
Chlorobenzene	N.D.	1.	ug/kg	98		81-112		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/kg	96		78-115		
Ethylbenzene	N.D.	1.	ug/kg	99		82-115		
m+p-Xylene	N.D.	1.	ug/kg	98		82-117		
o-Xylene	N.D.	1.	ug/kg	99		82-117		
Styrene	N.D.	1.	ug/kg	95		79-116		
Bromoform	N.D.	1.	ug/kg	92		64-125		
Isopropylbenzene	N.D.	1.	ug/kg	99		79-117		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	101		64-121		
Bromobenzene	N.D.	1.	ug/kg	96		77-113		
1,2,3-Trichloropropane	N.D.	1.	ug/kg	101		67-126		
n-Propylbenzene	N.D.	1.	ug/kg	102		74-113		
2-Chlorotoluene	N.D.	1.	ug/kg	98		73-114		
1,3,5-Trimethylbenzene	N.D.	1.	ug/kg	100		74-112		
4-Chlorotoluene	N.D.	1.	ug/kg	98		75-110		
tert-Butylbenzene	N.D.	1.	ug/kg	95		72-113		
1,2,4-Trimethylbenzene	N.D.	1.	ug/kg	100		74-117		
sec-Butylbenzene	N.D.	1.	ug/kg	101		72-112		
p-Isopropyltoluene	N.D.	1.	ug/kg	98		72-113		
1,3-Dichlorobenzene	N.D.	1.	ug/kg	95		76-112		
1,4-Dichlorobenzene	N.D.	1.	ug/kg	94		78-108		
n-Butylbenzene	N.D.	1.	ug/kg	97		68-116		
1,2-Dichlorobenzene	N.D.	1.	ug/kg	94		81-114		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/kg	96		49-127		
1,2,4-Trichlorobenzene	N.D.	1.	ug/kg	94		69-111		
Hexachlorobutadiene	N.D.	2.	ug/kg	91		57-122		
Naphthalene	N.D.	1.	ug/kg	98		58-114		
1,2,3-Trichlorobenzene	N.D.	1.	ug/kg	94		69-111		
Acetone	N.D.	7.	ug/kg	108		26-195		
Carbon Disulfide	N.D.	1.	ug/kg	103		70-129		
2-Butanone	N.D.	4.	ug/kg	118		26-180		
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	104		72-119		
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	106		72-117		
4-Methyl-2-pentanone	N.D.	3.	ug/kg	105		51-141		
2-Hexanone	N.D.	3.	ug/kg	111		30-170		
Xylene (Total)	N.D.	1.	ug/kg	99		82-117		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/kg	138		70-140		
Freon 113	N.D.	2.	ug/kg	96		58-129		
Batch number: A042181AB	Sample number(s): 4322390							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/kg	111		75-125		
Benzene	N.D.	0.5	ug/kg	105		77-119		
Toluene	N.D.	1.	ug/kg	101		81-116		
Ethylbenzene	N.D.	1.	ug/kg	99		82-115		
Xylene (Total)	N.D.	1.	ug/kg	99		82-117		

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

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria
Group Number: 906126
Reported: 09/10/04 at 01:20 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N042172AB	Sample number(s): 4322395-4322396							
Ethanol	N.D.	50.	ug/l	84		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	95		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	95		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	95		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	90		57-141		
Dichlorodifluoromethane	N.D.	2.	ug/l	91		53-184		
Chloromethane	N.D.	1.	ug/l	91		66-143		
Vinyl Chloride	N.D.	1.	ug/l	86		71-134		
Bromomethane	N.D.	1.	ug/l	83		55-131		
Chloroethane	N.D.	1.	ug/l	86		59-133		
Trichlorofluoromethane	N.D.	2.	ug/l	91		67-140		
1,1-Dichloroethene	N.D.	0.8	ug/l	97		79-130		
Methylene Chloride	N.D.	2.	ug/l	93		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	93		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	91		83-127		
2,2-Dichloropropane	N.D.	1.	ug/l	94		79-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	98		84-117		
Chloroform	N.D.	0.8	ug/l	96		86-124		
Bromochloromethane	N.D.	1.	ug/l	81		63-125		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	96		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	94		77-130		
1,1-Dichloropropene	N.D.	1.	ug/l	93		84-116		
Benzene	N.D.	0.5	ug/l	98		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	93		77-132		
Trichloroethene	N.D.	1.	ug/l	95		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	96		80-117		
Dibromomethane	N.D.	1.	ug/l	98		87-117		
Bromodichloromethane	N.D.	1.	ug/l	96		83-121		
Toluene	N.D.	0.5	ug/l	93		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	94		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	91		82-126		
1,3-Dichloropropane	N.D.	1.	ug/l	91		84-119		
Dibromochloromethane	N.D.	1.	ug/l	91		78-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	92		81-114		
Chlorobenzene	N.D.	0.8	ug/l	92		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	91		83-114		
Ethylbenzene	N.D.	0.5	ug/l	93		82-119		
m+p-Xylene	N.D.	0.5	ug/l	92		84-120		
o-Xylene	N.D.	0.5	ug/l	93		82-113		
Styrene	N.D.	1.	ug/l	94		82-111		
Bromoform	N.D.	1.	ug/l	89		69-118		
Isopropylbenzene	N.D.	1.	ug/l	91		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	94		72-119		
Bromobenzene	N.D.	1.	ug/l	96		80-118		
1,2,3-Trichloropropane	N.D.	1.	ug/l	91		78-117		
n-Propylbenzene	N.D.	1.	ug/l	97		78-119		
2-Chlorotoluene	N.D.	1.	ug/l	96		78-115		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	95		78-116		
4-Chlorotoluene	N.D.	1.	ug/l	96		80-112		
tert-Butylbenzene	N.D.	1.	ug/l	94		74-114		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	95		78-117		
sec-Butylbenzene	N.D.	1.	ug/l	94		72-120		
p-Isopropyltoluene	N.D.	1.	ug/l	91		72-118		

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

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,3-Dichlorobenzene	N.D.	1.	ug/l	94		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	95		84-116		
n-Butylbenzene	N.D.	1.	ug/l	91		70-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	96		81-112		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	76		59-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	84		65-114		
Hexachlorobutadiene	N.D.	2.	ug/l	74		56-120		
Naphthalene	N.D.	1.	ug/l	74		61-116		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	81		67-114		
Acetone	N.D.	6.	ug/l	74		22-186		
Carbon Disulfide	N.D.	1.	ug/l	102		76-136		
2-Butanone	N.D.	3.	ug/l	84		44-163		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	93		78-114		
4-Methyl-2-pentanone	N.D.	3.	ug/l	87		57-133		
2-Hexanone	N.D.	3.	ug/l	84		47-150		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	91		60-129		
Freon 113	N.D.	2.	ug/l	100		73-140		
Batch number: Q042161AC	Sample number(s): 4322389							
Methyl Tertiary Butyl Ether	N.D.	63.	ug/kg	106		75-125		
Benzene	N.D.	63.	ug/kg	102		77-119		
Toluene	N.D.	130.	ug/kg	102		81-116		
Ethylbenzene	N.D.	130.	ug/kg	99		82-115		
Xylene (Total)	N.D.	130.	ug/kg	106		82-117		
Batch number: R042231AB	Sample number(s): 4322388							
Methyl Tertiary Butyl Ether	N.D.	63.	ug/kg	102		75-125		
Benzene	N.D.	63.	ug/kg	102		77-119		
Toluene	N.D.	130.	ug/kg	97		81-116		
Ethylbenzene	N.D.	130.	ug/kg	97		82-115		
Xylene (Total)	N.D.	130.	ug/kg	94		82-117		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04208A33C	Sample number(s): 4322385-4322392								
TPH-GRO - Soils	84	88	39-118	5	30				
Batch number: 04218A07A	Sample number(s): 4322395-4322396								
TPH-GRO - Waters	108		63-154						
Batch number: 04218A33A	Sample number(s): 4322393-4322394								
TPH-GRO - Soils	98	98	39-118	1	30				
Batch number: A042171AC	Sample number(s): 4322385,4322391,4322393-4322394								
Methyl Tertiary Butyl Ether	105	104	49-140	1	30				
Benzene	95	95	58-126	1	30				
1,2-Dichloroethane	99	98	62-130	0	30				
Toluene	92	89	55-125	3	30				
1,2-Dibromoethane	93	92	62-116	1	30				

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(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

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
Ethylbenzene	86	86	50-127	0	30				
Xylene (Total)	87	85	54-123	1	30				
Batch number: A042181AA	Sample number(s): 4322386-4322387,4322392								
Methyl Tertiary Butyl Ether	105	104	49-140	2	30				
di-Isopropyl ether	102	101	55-132	2	30				
Ethyl t-butyl ether	103	102	65-123	2	30				
t-Amyl methyl ether	104	102	58-126	3	30				
t-Butyl alcohol	141	139	46-148	3	30				
Dichlorodifluoromethane	77	74	37-157	4	30				
Chloromethane	84	82	51-134	4	30				
Vinyl Chloride	86	82	51-131	5	30				
Bromomethane	75	74	38-122	1	30				
Chloroethane	78	78	53-122	1	30				
Trichlorofluoromethane	84	79	42-143	6	30				
1,1-Dichloroethene	96	93	56-141	4	30				
Methylene Chloride	92	91	59-135	2	30				
trans-1,2-Dichloroethene	98	96	54-135	3	30				
1,1-Dichloroethane	102	99	65-125	3	30				
2,2-Dichloropropane	98	95	60-130	4	30				
cis-1,2-Dichloroethene	100	100	63-125	1	30				
Chloroform	101	97	65-126	4	30				
Bromochloromethane	95	93	42-129	3	30				
1,1,1-Trichloroethane	97	95	59-134	3	30				
Carbon Tetrachloride	94	91	53-138	4	30				
1,1-Dichloropropene	97	94	57-130	3	30				
Benzene	99	97	58-126	3	30				
1,2-Dichloroethane	99	96	62-130	3	30				
Trichloroethene	99	97	47-140	3	30				
1,2-Dichloropropane	102	99	64-120	4	30				
Dibromomethane	100	98	61-123	2	30				
Bromodichloromethane	94	93	57-126	3	30				
Toluene	95	93	55-125	3	30				
1,1,2-Trichloroethane	97	95	62-122	3	30				
Tetrachloroethene	98	98	39-160	1	30				
1,3-Dichloropropane	96	94	62-119	3	30				
Dibromochloromethane	89	89	62-120	1	30				
1,2-Dibromoethane	96	94	62-116	3	30				
Chlorobenzene	93	90	59-125	3	30				
1,1,1,2-Tetrachloroethane	91	88	62-122	4	30				
Ethylbenzene	94	92	50-127	3	30				
m+p-Xylene	93	91	53-124	3	30				
o-Xylene	93	91	55-124	3	30				
Styrene	91	88	50-119	3	30				
Bromoform	90	88	52-123	3	30				
Isopropylbenzene	93	91	48-124	3	30				
1,1,2,2-Tetrachloroethane	101	97	37-142	5	30				
Bromobenzene	93	90	52-131	3	30				
1,2,3-Trichloropropane	102	97	47-144	6	30				
n-Propylbenzene	98	94	31-151	5	30				
2-Chlorotoluene	94	91	51-124	4	30				
1,3,5-Trimethylbenzene	95	92	47-130	4	30				
4-Chlorotoluene	93	91	51-125	4	30				
tert-Butylbenzene	93	89	47-130	5	30				
1,2,4-Trimethylbenzene	96	93	35-140	4	30				

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Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

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
sec-Butylbenzene	95	92	36-132	4	30				
p-Isopropyltoluene	94	91	41-128	4	30				
1,3-Dichlorobenzene	91	90	45-123	2	30				
1,4-Dichlorobenzene	91	90	47-120	3	30				
n-Butylbenzene	93	90	32-129	4	30				
1,2-Dichlorobenzene	92	90	49-120	3	30				
1,2-Dibromo-3-chloropropane	95	90	39-128	6	30				
1,2,4-Trichlorobenzene	89	88	14-125	2	30				
Hexachlorobutadiene	83	83	10-130	1	30				
Naphthalene	98	97	11-142	1	30				
1,2,3-Trichlorobenzene	90	90	13-124	0	30				
Acetone	104	93	19-173	11	30				
Carbon Disulfide	96	93	49-141	4	30				
2-Butanone	118	112	33-156	6	30				
trans-1,3-Dichloropropene	99	97	51-127	3	30				
cis-1,3-Dichloropropene	100	98	54-122	2	30				
4-Methyl-2-pentanone	103	99	43-135	4	30				
2-Hexanone	109	103	27-149	6	30				
Xylene (Total)	93	91	54-123	3	30				
2-Chloroethyl Vinyl Ether	131	128	48-134	3	30				
Freon 113	91	87	37-146	5	30				
Batch number: A042181AB	Sample number(s): 4322390								
Methyl Tertiary Butyl Ether	105	104	49-140	2	30				
Benzene	99	97	58-126	3	30				
Toluene	95	93	55-125	3	30				
Ethylbenzene	94	92	50-127	3	30				
Xylene (Total)	93	91	54-123	3	30				
Batch number: N042172AB	Sample number(s): 4322395-4322396								
Ethanol	89	85	33-153	5	30				
Methyl Tertiary Butyl Ether	91	94	69-134	2	30				
di-Isopropyl ether	101	99	75-130	2	30				
Ethyl t-butyl ether	100	100	78-119	0	30				
t-Amyl methyl ether	97	98	77-117	0	30				
t-Butyl alcohol	89	95	51-147	7	30				
Dichlorodifluoromethane	108	110	58-215	2	30				
Chloromethane	100	101	69-157	1	30				
Vinyl Chloride	101	102	70-151	0	30				
Bromomethane	92	90	59-143	3	30				
Chloroethane	95	96	63-142	1	30				
Trichlorofluoromethane	108	108	67-163	0	30				
1,1-Dichloroethene	114	112	78-146	2	30				
Methylene Chloride	99	97	79-133	2	30				
trans-1,2-Dichloroethene	104	104	82-133	0	30				
1,1-Dichloroethane	100	100	85-135	0	30				
2,2-Dichloropropane	104	104	78-134	0	30				
cis-1,2-Dichloroethene	107	106	83-126	1	30				
Chloroform	105	103	82-131	2	30				
Bromochloromethane	83	85	60-130	2	30				
1,1,1-Trichloroethane	106	108	81-142	2	30				
Carbon Tetrachloride	107	106	73-144	1	30				
1,1-Dichloropropene	108	105	86-134	2	30				
Benzene	107	106	83-128	1	30				
1,2-Dichloroethane	98	97	73-136	1	30				

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(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

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
Trichloroethene	106	106	75-135	0	30				
1,2-Dichloropropane	102	103	81-121	1	30				
Dibromomethane	102	100	83-120	3	30				
Bromodichloromethane	103	100	80-129	2	30				
Toluene	101	100	83-127	1	30				
1,1,2-Trichloroethane	97	96	77-125	2	30				
Tetrachloroethene	101	98	78-133	3	30				
1,3-Dichloropropane	97	93	82-121	4	30				
Dibromochloromethane	96	95	73-119	1	30				
1,2-Dibromoethane	96	94	78-120	3	30				
Chlorobenzene	98	96	83-120	3	30				
1,1,1,2-Tetrachloroethane	98	94	83-119	4	30				
Ethylbenzene	102	99	82-129	3	30				
m+p-Xylene	100	99	82-130	1	30				
o-Xylene	99	97	82-130	2	30				
Styrene	96	94	76-126	3	30				
Bromoform	97	97	64-119	0	30				
Isopropylbenzene	100	97	81-130	3	30				
1,1,2,2-Tetrachloroethane	99	96	69-121	3	30				
Bromobenzene	103	101	83-121	1	30				
1,2,3-Trichloropropane	95	92	73-125	3	30				
n-Propylbenzene	107	105	78-131	2	30				
2-Chlorotoluene	104	102	78-121	2	30				
1,3,5-Trimethylbenzene	104	101	77-124	3	30				
4-Chlorotoluene	103	103	81-123	0	30				
tert-Butylbenzene	101	101	76-128	1	30				
1,2,4-Trimethylbenzene	101	100	75-132	1	30				
sec-Butylbenzene	102	103	73-129	1	30				
p-Isopropyltoluene	97	98	72-128	0	30				
1,3-Dichlorobenzene	100	99	79-123	1	30				
1,4-Dichlorobenzene	100	99	81-122	1	30				
n-Butylbenzene	97	99	66-131	2	30				
1,2-Dichlorobenzene	99	99	82-117	0	30				
1,2-Dibromo-3-chloropropane	79	78	53-125	2	30				
1,2,4-Trichlorobenzene	81	86	60-121	6	30				
Hexachlorobutadiene	75	84	52-132	11	30				
Naphthalene	74	77	50-124	4	30				
1,2,3-Trichlorobenzene	78	84	58-122	7	30				
Acetone	54	56	12-153	3	30				
Carbon Disulfide	117	117	77-155	0	30				
2-Butanone	72	71	42-140	1	30				
trans-1,3-Dichloropropene	93	92	75-117	2	30				
cis-1,3-Dichloropropene	95	96	76-117	1	30				
4-Methyl-2-pentanone	90	89	54-134	1	30				
2-Hexanone	81	81	44-140	1	30				
2-Chloroethyl Vinyl Ether	13	12	1-172	13	30				
Freon 113	116	117	73-166	1	30				
Batch number: Q042161AC	Sample number(s): 4322389								
Methyl Tertiary Butyl Ether	101	104	49-140	2	30				
Benzene	93	96	58-126	3	30				
Toluene	96	99	55-125	1	30				
Ethylbenzene	97	111	50-127	9	30				
Xylene (Total)	103	107	54-123	3	30				

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

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

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: R042231AB	Sample number(s): 4322388								
Methyl Tertiary Butyl Ether	93	96	49-140	3	30				
Benzene	94	98	58-126	3	30				
Toluene	92	96	55-125	4	30				
Ethylbenzene	112	115	50-127	2	30				
Xylene (Total)	93	94	54-123	1	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 04208A33C

	Trifluorotoluene-F
4322385	89
4322386	97
4322387	84
4322388	8*
4322389	10*
4322390	92
4322391	96
4322392	97
Blank	98
LCS	106
MS	79
MSD	81
Limits:	61-122

Analysis Name: TPH-GRO - Waters
Batch number: 04218A07A

	Trifluorotoluene-F
4322395	109
4322396	124
Blank	100
LCS	123
LCSD	123
MS	125
Limits:	57-146

Analysis Name: TPH-GRO - Soils
Batch number: 04218A33A

	Trifluorotoluene-F
4322393	96
4322394	92
Blank	96
LCS	112
MS	95
MSD	96

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Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

Surrogate Quality Control

Limits: 61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: A042171AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322385	97	92	101	95
4322391	98	95	101	96
4322393	100	100	99	97
4322394	99	97	99	98
Blank	97	96	99	95
LCS	102	98	100	96
MS	103	102	104	92
MSD	101	99	102	94
Limits:	70-129	70-121	70-130	70-128

Analysis Name: EPA SW 846/8260 - Soil
Batch number: A042181AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322386	99	99	99	95
4322387	99	98	99	95
4322392	97	95	99	94
Blank	97	96	99	95
LCS	103	99	99	98
MS	101	100	99	96
MSD	101	101	98	96
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: A042181AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322390	97	91	113	96
Blank	101	100	98	96
LCS	103	99	99	98
MS	101	100	99	96
MSD	101	101	98	96
Limits:	70-129	70-121	70-130	70-128

Analysis Name: EPA SW846/8260 (water)
Batch number: N042172AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322395	91	86	97	101
4322396	93	91	95	96
Blank	97	89	95	87
LCS	94	89	94	99
MS	94	91	94	100
MSD	95	89	94	99
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: Q042161AC

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

Quality Control Summary

Client Name: ChevronTexaco C/O Cambria Group Number: 906126
Reported: 09/10/04 at 01:20 PM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322389	87	87	88	88
Blank	99	101	99	93
LCS	95	96	97	96
MS	90	89	91	90
MSD	89	92	91	88
Limits:	70-129	70-121	70-130	70-128

Analysis Name: BTEX+MTBE by 8260B
Batch number: R042231AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4322388	90	95	89	91
Blank	101	105	96	92
LCS	101	104	95	93
MS	95	98	89	88
MSD	97	97	90	88
Limits:	70-129	70-121	70-130	70-128

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

1 of 3
073004-11

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 4322385-96 SCR#: 906126

Facility #: 9-0020
Site Address: 1633 Harrison St. Oakland
Chevron PM: ~~Foss~~ Streich Lead Consultant:
Consultant/Office: Cambria
Consultant Prj. Mgr.: Foss
Consultant Phone #: 510 420 3350 Fax #: 510 420 9170
Sampler: Sarah Owen
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	Preservation Codes	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	HVOCs 8260 Chevron full scan	1,2 DCA 8260	EDB 8260
											H	H					N	H	H
B23A	W	—	20	7/29/04	1210	yes	X		5		X	X					X		
B25	W	—	20	7/29/04	1530	yes	X		5		X	X					X	X	X

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)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Cady Owen	7/30/04	1300		7/30/04	1545
	7/30/04	1600	Bernardo Arroyo	7/30/04	1600
Bernardo Arroyo	7/30/04	1625	DHL	7/30/04	
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	7/31/04	0915
Temperature Upon Receipt 3.5 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories
Where quality is a science.

2 of 3

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 906126/4322385-96 SCR#: 906140 /4322458-59

073004-11

Facility #: 9-0020
Site Address: 1633 Harrison St. Oakland
Chevron PM: Streich Lead Consultant:
Consultant/Office: Cambria
Consultant Prj. Mgr.: Foss
Consultant Phone #: 510 420 3350 Fax #: 510 420 9170
Sampler: Sarah Owen
Service Order #: ☐ Non SAR:

Analyses Requested / Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	Physical Parameters	EDB/12DCA 8260	~~[illegible]~~			HOLD
B25@25	S		25	7/29/04	5:00	yes	X		1	X	X						X				
B25@29	↓		29	↓	5:05	↓	↓		↓							X					
B25@29.5	↓		29.5	↓	5:05	↓	↓		↓												X
B25@23	↓		23	↓	4:45	↓	↓		↓							X					
B23A@10	S		10	7/29/04	10:35	yes	X		1	X	X										X

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
Physical Parameters
1. moisture content
2. bulk density
3. total porosity
all by ASTM D2216
API RP 40
4. total organic carbon by Walkley Black
5. Particles size analysis by ASTM D4464M
IF B25@25 has any detections, Analyze B25@29.5 too.

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
Sarah Cody Owen	7/30/04	300	[signature]	7/30/04	1600
[signature]	7/30/04	1600	Bernardo Amaya	7/30/04	1600
Bernardo Amaya	7/30/04	1625	DHL	7/30/04	
Relinquished by Commercial Carrier: UPS FedEx (Other)			[signature]	7/31/04	0915

Temperature Upon Receipt 3.5 C°
Custody Seals Intact? (Yes) No

Lancaster Laboratories
Where quality is a science.

3043

073004-11

Acct. #: 10880 Sample #: 906126/4322385-96 SCR#: 906140/4322458-59

For Lancaster Laboratories use only

Facility #: 9-0020
Site Address: 1633 Harrison St. Oakland
Chevron PM: Streich Lead Consultant:
Consultant/Office: Cambria
Consultant Prj. Mgr.: Foss
Consultant Phone #: 510 420 3350 Fax #: 510 420 9170
Sampler: Sarah Owen
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ☐	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260	EDB 8260	chevron HVOC full scan 8260	HOLD
B23A @ 5	S		5	7/29/04	9:20	yes	X												X
~~B23A @ 10~~																			
B23A @ 13			13		10:50					X	X								
B23A @ 15			15		10:58					X	X							X	
B23A @ 19			19		11:20					X	X								
B23A @ 23.5			23.5		11:20					X	X								
B23A @ 25			25		11:40					X	X								
B23A @ 29.5			29.5		11:45														X
B25 @ 5			5		3:45					X	X					X	X		
B25 @ 10			10		4:25					X	X					X	X	X	
B25 @ 15			15		4:30					X	X					X	X		
B25 @ 20			20		4:45					X	X					X	X		

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
If B23A @ 25 has any detections, analyze B23A @ 29.5 too.

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Sarah Cody Owen	7/30/04	300		7/31/04	1600
2		Date	Time		Date	Time
					7/30/04	1600
3		Date	Time		Date	Time
		7/30/04	1625	DHL	8/3/04	
	Relinquished by Commercial Carrier: UPS FedEx Other				Date	Time
	Temperature Upon Receipt 3.5 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: 229395

	METHODOLOGY:	ASTM D2216 / API RP40	API RP40	API RP40	WALKLEY-BLACK
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENT. (1)	MOISTURE CONTENT (% wt)	BULK DENSITY (g/cc)	TOTAL POROSITY, %Vb (2)	TOTAL ORGANIC CARBON mg/kg
4303823 B19@13	13.0	V	15.2	1.77	34.6	1150
4303824 B19@27.5	27.5	V	19.4	1.50	43.0	820

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Vb = Bulk Volume, cc

PTS Laboratories, Inc.

Lancaster Laboratories
PTS File No: 34413

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: N/A
PROJECT NO: 229395

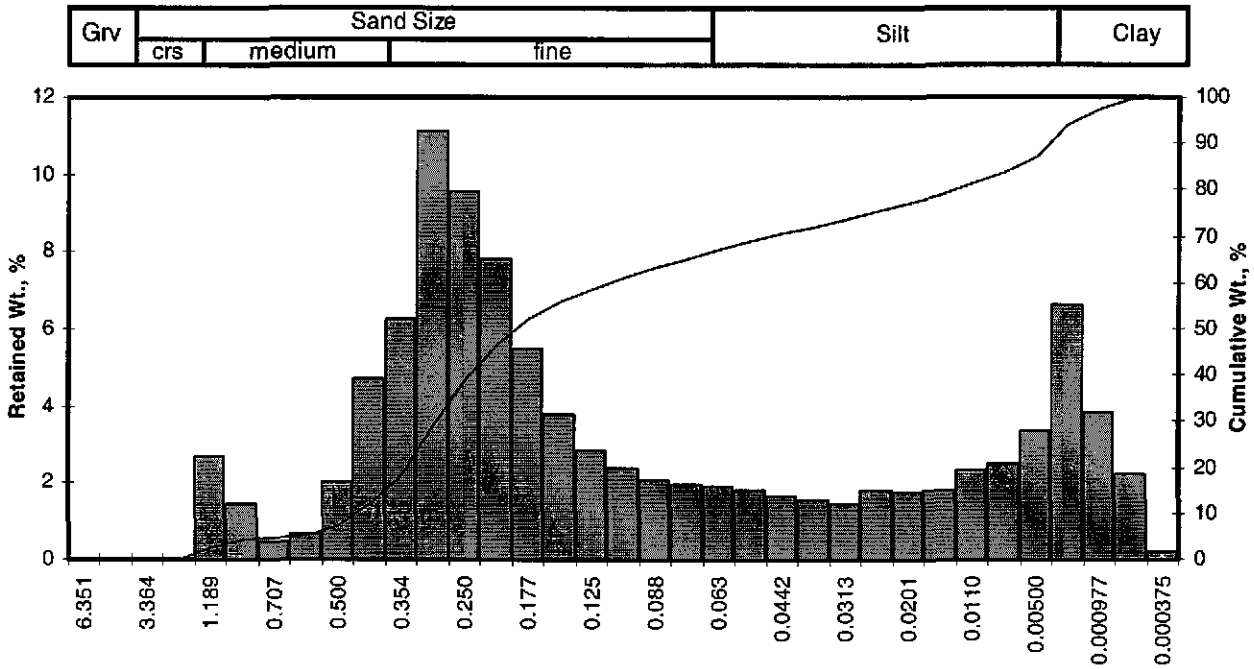
Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
4303823 B19@13	N/A	Fine sand	0.189	0.00	0.00	11.97	53.29	21.88	12.86	34.74
4303824 B19@27.5	N/A	Silt	0.019	0.00	0.00	0.00	10.36	60.58	29.05	89.64

(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Lancaster Laboratories	**PTS File No:**	34413
Project:	N/A	**Sample ID:**	4303823 B19@13
Project No:	229395	**Depth, ft:**	N/A



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	2.68	2.68	2.68
0.0331	0.841	0.25	20	1.44	1.44	4.12
0.0278	0.707	0.50	25	0.46	0.46	4.58
0.0234	0.595	0.75	30	0.66	0.66	5.24
0.0197	0.500	1.00	35	2.02	2.02	7.26
0.0166	0.420	1.25	40	4.71	4.71	11.97
0.0139	0.354	1.50	45	6.27	6.27	18.24
0.0117	0.297	1.75	50	11.10	11.10	29.34
0.0098	0.250	2.00	60	9.56	9.56	38.90
0.0083	0.210	2.25	70	7.79	7.79	46.69
0.0070	0.177	2.50	80	5.48	5.48	52.17
0.0059	0.149	2.75	100	3.80	3.80	55.97
0.0049	0.125	3.00	120	2.86	2.86	58.83
0.0041	0.105	3.25	140	2.37	2.37	61.20
0.0035	0.088	3.50	170	2.09	2.09	63.29
0.0029	0.074	3.75	200	1.97	1.97	65.26
0.0025	0.063	4.00	230	1.89	1.89	67.15
0.0021	0.053	4.25	270	1.79	1.79	68.94
0.00174	0.0442	4.50	325	1.67	1.67	70.61
0.00146	0.0372	4.75	400	1.55	1.55	72.16
0.00123	0.0313	5.00	450	1.46	1.46	73.62
0.000986	0.0250	5.32	500	1.81	1.81	75.43
0.000790	0.0201	5.64	635	1.75	1.75	77.18
0.000615	0.0156	6.00		1.79	1.79	78.97
0.000435	0.0110	6.50		2.34	2.34	81.31
0.000308	0.00781	7.00		2.46	2.46	83.77
0.000197	0.00500	7.65		3.37	3.37	87.14
0.000077	0.00195	9.00		6.62	6.62	93.76
0.000038	0.000977	10.00		3.81	3.81	97.57
0.000019	0.000488	11.00		2.20	2.20	99.77
0.000015	0.000375	11.38		0.23	0.23	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.66	0.0249	0.633
10	1.15	0.0178	0.452
16	1.41	0.0148	0.376
25	1.65	0.0125	0.318
40	2.04	0.0096	0.244
50	2.40	0.0075	0.189
60	3.12	0.0045	0.115
75	5.24	0.0010	0.026
84	7.04	0.0003	0.008
90	8.23	0.0001	0.003
95	9.33	0.0001	0.002

Measure	Trask	Inman	Folk-Ward
Median, phi	2.40	2.40	2.40
Median, in.	0.0075	0.0075	0.0075
Median, mm	0.189	0.189	0.189
Mean, phi	2.54	4.23	3.62
Mean, in.	0.0068	0.0021	0.0032
Mean, mm	0.172	0.053	0.081
Sorting	3.472	2.817	2.721
Skewness	0.484	0.648	0.623
Kurtosis	0.325	0.538	0.989
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	11.97
Fine Sand	200	53.29
Silt	>0.005 mm	21.88
Clay	<0.005 mm	12.86
	Total	**100**

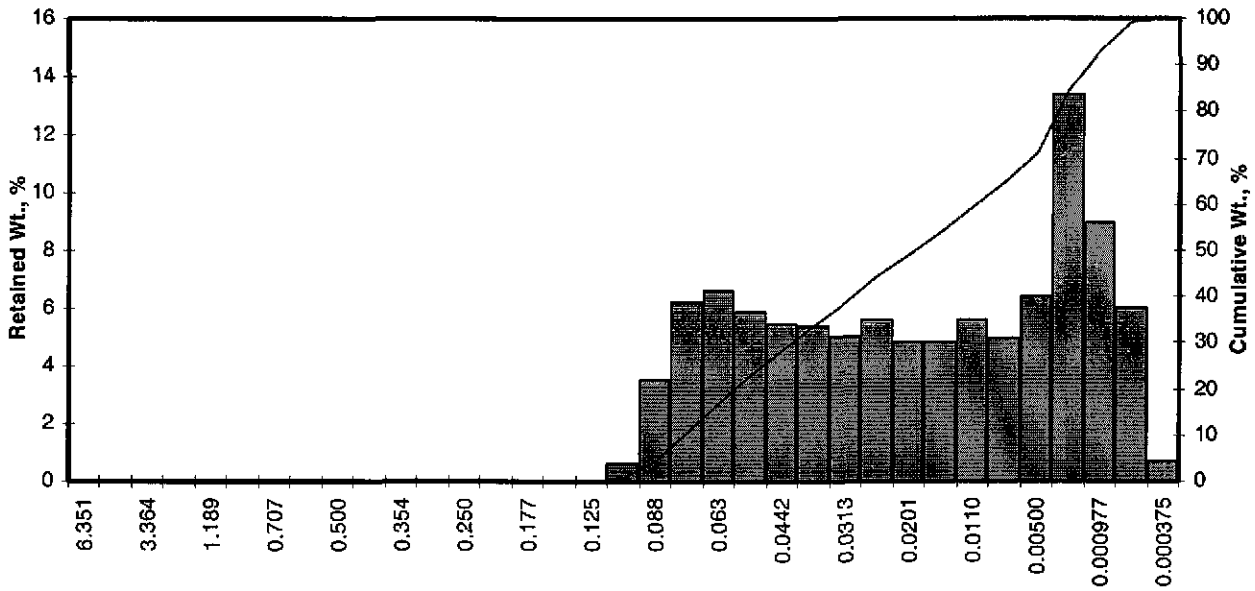
Phone: (562) 907-3607
Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Lancaster Laboratories	**PTS File No:**	34413
Project:	N/A	**Sample ID:**	4303824 B19@27.5
Project No:	229395	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.00	0.00	0.00
0.0059	0.149	2.75	100	0.00	0.00	0.00
0.0049	0.125	3.00	120	0.01	0.01	0.01
0.0041	0.105	3.25	140	0.64	0.64	0.65
0.0035	0.088	3.50	170	3.49	3.49	4.14
0.0029	0.074	3.75	200	6.22	6.22	10.36
0.0025	0.063	4.00	230	6.61	6.61	16.98
0.0021	0.053	4.25	270	5.89	5.89	22.87
0.00174	0.0442	4.50	325	5.46	5.46	28.33
0.00146	0.0372	4.75	400	5.37	5.37	33.70
0.00123	0.0313	5.00	450	5.02	5.02	38.73
0.000986	0.0250	5.32	500	5.58	5.58	44.31
0.000790	0.0201	5.64	635	4.84	4.84	49.15
0.000615	0.0156	6.00		4.81	4.81	53.96
0.000435	0.0110	6.50		5.57	5.57	59.53
0.000308	0.00781	7.00		4.98	4.98	64.52
0.000197	0.00500	7.65		6.43	6.43	70.95
0.000077	0.00195	9.00		13.40	13.41	84.35
0.000038	0.000977	10.00		8.94	8.94	93.30
0.000019	0.000488	11.00		6.03	6.03	99.33
0.000015	0.000375	11.38		0.67	0.67	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	3.53	0.0034	0.086
10	3.74	0.0030	0.075
16	3.96	0.0025	0.064
25	4.35	0.0019	0.049
40	5.07	0.0012	0.030
50	5.70	0.0008	0.019
60	6.55	0.0004	0.011
75	8.05	0.0001	0.004
84	8.96	0.0001	0.002
90	9.63	0.0000	0.001
95	10.28	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.70	5.70	5.70
Median, in.	0.0008	0.0008	0.0008
Median, mm	0.019	0.019	0.019
Mean, phi	5.24	6.46	6.21
Mean, in.	0.0010	0.0004	0.0005
Mean, mm	0.026	0.011	0.014
Sorting	3.614	2.501	2.273
Skewness	0.708	0.304	0.331
Kurtosis	0.307	0.349	0.746
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	10.36
Silt	>0.005 mm	60.58
Clay	<0.005 mm	29.05
	Total	**100**

Phone: (562) 907-3607 Fax: (562) 907-3610

Laboratories
ENVIRONMENTAL SERVICES

August 23, 2004

Lynn Frederiksen
Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605

Re: Physical Properties Analyses
PTS File No: 34466
Lancaster Laboratories PO# 229845

Dear Ms. Frederiksen:

Please find enclosed data from Physical Properties Analyses conducted upon samples received from your PO# 229845 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention. The samples are currently in refrigerated storage and will be disposed after 30 days.

PTS Laboratories, Inc. appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 907-3607.

Sincerely,
PTS Laboratories, Inc.

Michael Mark Brady, R.G.
Project Manager

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: 229845

		METHODOLOGY:	ASTM D2216	API RP40	API RP40	WALKLEY-BLACK
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % wt	BULK DENSITY, g/cc	TOTAL POROSITY, % Pv	TOTAL ORGANIC CARBON, mg/kg
4322458 (collected: no info)	N/A	V	17.3	1.63	37.7	3950
4322459 (7/29/04 @1645)	N/A	V	19.8	1.55	42.3	540

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS Laboratories, Inc.

Lancaster Laboratories
PTS File No: 34466

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: N/A
PROJECT NO: 229845

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
4322458 (collected; no info)	N/A	Silt	0.074	0.00	0.00	2.11	47.51	34.93	15.46	50.38
4322459 (7/29/04 @ 1645)	N/A	Fine sand	0.217	0.00	0.00	6.16	78.81	10.96	4.08	15.03

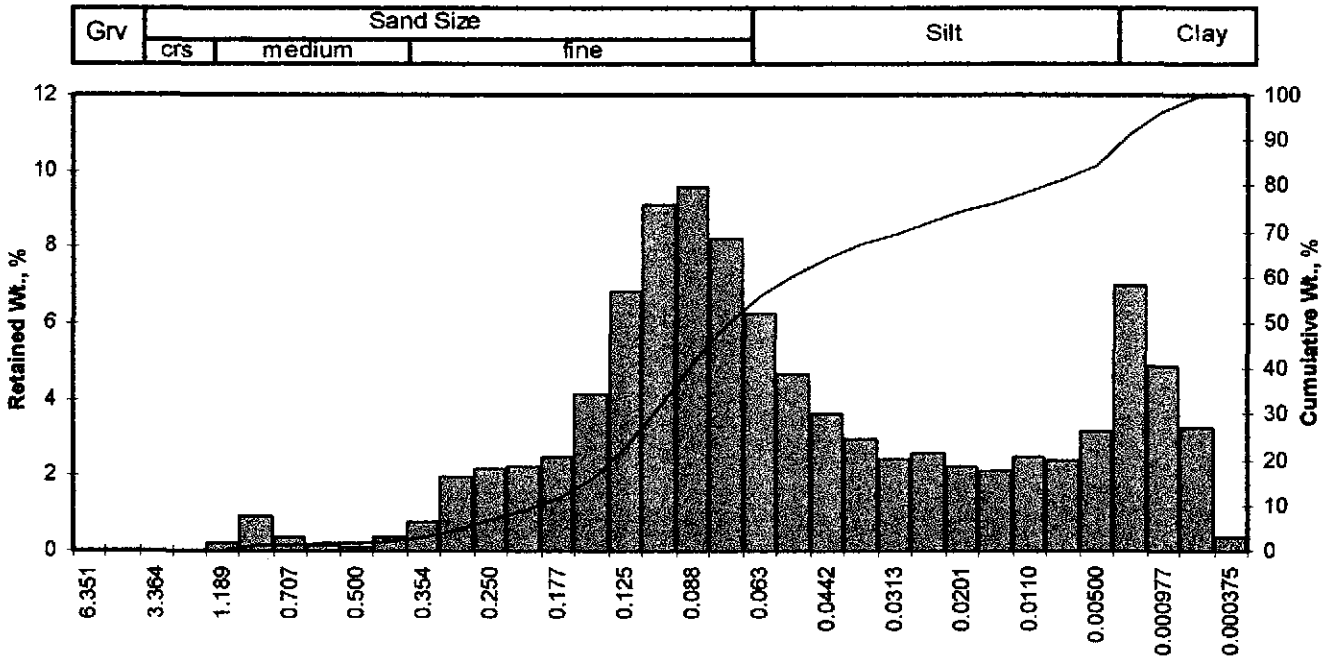
(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client: Lancaster Laboratories
Project: N/A
Project No: 229845

PTS File No: 34466
Sample ID: 4322458 (collected; no info)
Depth, ft: N/A



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.21	0.21	0.21
0.0331	0.841	0.25	20	0.93	0.93	1.14
0.0278	0.707	0.50	25	0.35	0.35	1.49
0.0234	0.595	0.75	30	0.16	0.16	1.65
0.0197	0.500	1.00	35	0.10	0.10	1.75
0.0166	0.420	1.25	40	0.36	0.36	2.11
0.0139	0.354	1.50	45	0.78	0.78	2.89
0.0117	0.297	1.75	50	1.98	1.98	4.87
0.0098	0.250	2.00	60	2.17	2.17	7.04
0.0083	0.210	2.25	70	2.22	2.22	9.26
0.0070	0.177	2.50	80	2.50	2.50	11.76
0.0059	0.149	2.75	100	4.12	4.12	15.88
0.0049	0.125	3.00	120	6.82	6.82	22.70
0.0041	0.105	3.25	140	9.13	9.13	31.83
0.0035	0.088	3.50	170	9.55	9.55	41.38
0.0029	0.074	3.75	200	8.24	8.24	49.62
0.0025	0.063	4.00	230	6.27	6.27	55.88
0.0021	0.053	4.25	270	4.66	4.66	60.54
0.00174	0.0442	4.50	325	3.62	3.62	64.16
0.00146	0.0372	4.75	400	2.95	2.95	67.11
0.00123	0.0313	5.00	450	2.43	2.43	69.54
0.000986	0.0250	5.32	500	2.59	2.59	72.13
0.000790	0.0201	5.64	635	2.23	2.23	74.36
0.000615	0.0156	6.00		2.13	2.13	76.49
0.000435	0.0110	6.50		2.50	2.50	78.99
0.000308	0.00781	7.00		2.37	2.37	81.36
0.000197	0.00500	7.65		3.18	3.18	84.54
0.000077	0.00195	9.00		6.98	6.98	91.52
0.000038	0.000977	10.00		4.86	4.86	96.38
0.000019	0.000488	11.00		3.26	3.26	99.64
0.000015	0.000375	11.38		0.36	0.36	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.77	0.0116	0.294
10	2.32	0.0079	0.200
16	2.75	0.0058	0.148
25	3.06	0.0047	0.120
40	3.46	0.0036	0.091
50	3.77	0.0029	0.074
60	4.22	0.0021	0.054
75	5.75	0.0007	0.019
84	7.54	0.0002	0.005
90	8.70	0.0001	0.002
95	9.72	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	3.77	3.77	3.77
Median, in.	0.0029	0.0029	0.0029
Median, mm	0.074	0.074	0.074
Mean, phi	3.85	5.14	4.68
Mean, in.	0.0027	0.0011	0.0015
Mean, mm	0.069	0.028	0.039
Sorting	2.536	2.390	2.400
Skewness	0.642	0.577	0.537
Kurtosis	0.256	0.663	1.214
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

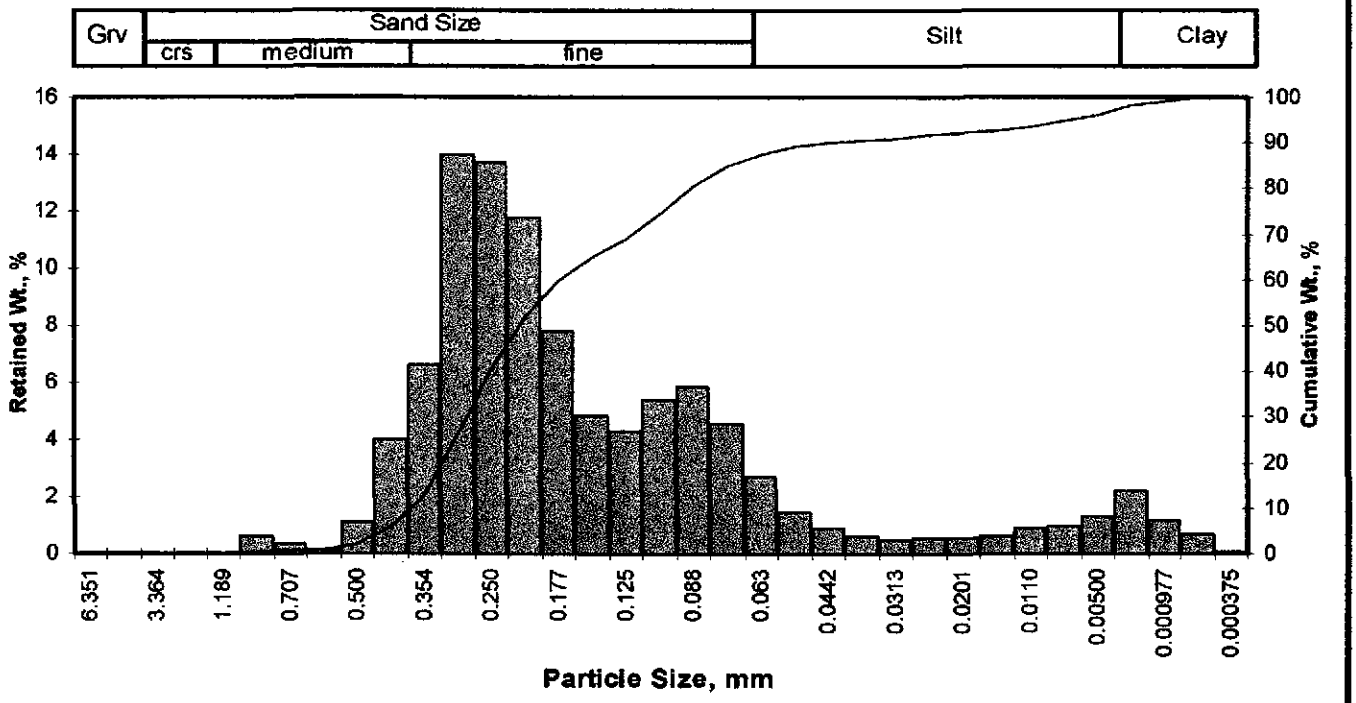
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	2.11
Fine Sand	200	47.51
Silt	>0.005 mm	34.93
Clay	<0.005 mm	15.46
	Total	**100**

Phone: (562) 907-3607
Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Lancaster Laboratories	**PTS File No:**	34466
Project:	N/A	**Sample ID:**	4322459 (7/29/04 @ 1645)
Project No:	229845	**Depth, ft:**	N/A



Opening		Phi of	U.S.	Sample	Increment	Cumulative
Inches	Millimeters	Screen	No.	Weight, grams	Weight, percent	Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.64	0.64	0.64
0.0278	0.707	0.50	25	0.32	0.32	0.97
0.0234	0.595	0.75	30	0.11	0.11	1.08
0.0197	0.500	1.00	35	1.07	1.07	2.15
0.0166	0.420	1.25	40	4.01	4.01	6.16
0.0139	0.354	1.50	45	6.61	6.61	12.77
0.0117	0.297	1.75	50	14.00	14.01	26.78
0.0098	0.250	2.00	60	13.70	13.71	40.49
0.0083	0.210	2.25	70	11.80	11.81	52.29
0.0070	0.177	2.50	80	7.81	7.81	60.11
0.0059	0.149	2.75	100	4.82	4.82	64.93
0.0049	0.125	3.00	120	4.25	4.25	69.18
0.0041	0.105	3.25	140	5.38	5.38	74.56
0.0035	0.088	3.50	170	5.84	5.84	80.41
0.0029	0.074	3.75	200	4.56	4.56	84.97
0.0025	0.063	4.00	230	2.70	2.70	87.67
0.0021	0.053	4.25	270	1.43	1.43	89.10
0.00174	0.0442	4.50	325	0.87	0.87	89.97
0.00146	0.0372	4.75	400	0.63	0.63	90.60
0.00123	0.0313	5.00	450	0.48	0.48	91.08
0.000986	0.0250	5.32	500	0.55	0.55	91.63
0.000790	0.0201	5.64	635	0.56	0.56	92.19
0.000615	0.0156	6.00		0.62	0.62	92.81
0.000435	0.0110	6.50		0.87	0.87	93.68
0.000308	0.00781	7.00		0.96	0.96	94.64
0.000197	0.00500	7.65		1.28	1.28	95.92
0.000077	0.00195	9.00		2.19	2.19	98.12
0.000038	0.000977	10.00		1.16	1.16	99.28
0.000019	0.000488	11.00		0.66	0.66	99.94
0.000015	0.000375	11.38		0.06	0.06	100.00
TOTALS				**99.90**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	1.18	0.0174	0.442
10	1.40	0.0150	0.380
16	1.56	0.0134	0.340
25	1.72	0.0120	0.304
40	1.99	0.0099	0.252
50	2.20	0.0086	0.217
60	2.50	0.0070	0.177
75	3.27	0.0041	0.104
84	3.70	0.0030	0.077
90	4.51	0.0017	0.044
95	7.18	0.0003	0.007

Measure	Trask	Inman	Folk-Ward
Median, phi	2.20	2.20	2.20
Median, in.	0.0086	0.0086	0.0086
Median, mm	0.217	0.217	0.217
Mean, phi	2.29	2.63	2.49
Mean, in.	0.0080	0.0064	0.0070
Mean, mm	0.204	0.162	0.179
Sorting	1.711	1.070	1.444
Skewness	0.817	0.398	0.528
Kurtosis	0.298	1.805	1.586
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	6.16
Fine Sand	200	78.81
Silt	>0.005 mm	10.96
Clay	<0.005 mm	4.08
	Total	**100**

Phone: (562) 907-3607
Fax: (562) 907-3610

ATTACHMENT E

ACDEH (ACHCSA) letter,
dated November 4, 1992

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

NOV 09 '92 PWM

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

November 4, 1992

STID 3812

Chevron USA Inc.
PO Box 5004
San Ramon CA 94583
Attn: Nancy Vukelich

RE: Former Chevron Station 90020
1633 Harrison St.
Oakland CA 94612

Dear Ms. Vukelich,

We are in receipt of the Evaluation of Chlorinated Hydrocarbon Distribution, prepared by Geraghty & Miller, Inc., dated 10/5/92, under your letter dated 10/20/92. This evaluation concluded that the Volatile Organic Compounds (VOC's) detected in groundwater beneath the Chevron site are emanating from an off-site, upgradient source. Upon a review of the data, this conclusion is hereby accepted. However, your responsibility does not end with this assessment. You must identify potential sources of the VOC contamination **by name and address** in order to aid our follow-up of these sites. This approach has been implemented with other Chevron sites under Kenneth Kan's purview. Please provide us with these names and addresses **within 30 days or by December 4, 1992.**

If you have any questions, please contact me at 510-271-4530.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Kent O'Brien, Geraghty & Miller, 1050 Marina Way South, Richmond CA 94804
Rich Hiett, RWQCB
Ed Howell/File

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