20454

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May 15, 2003

Ms. Karen Streich
ChevronTexaco
P.O. Box 6004
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Subject: **Soil Borings and Well Installation at Former Chevron Service Station No. 20-6145, 800 Center Street Oakland CA, California.**

Ms. Streich:

This report summarizes the results of the recent subsurface investigation and well installation performed by Delta Environmental Consultants Inc./Network Associate Gettler-Ryan Inc. (GR), at the subject site. This work was performed at the request of ChevronTexaco (Chevron) to further define the degree and extent of petroleum hydrocarbon impact to soil at and in the vicinity of the subject site. The scope of work included: updating the site safety plan, obtaining the required drilling permits from the Alameda County Public Works Agency (ACPWA), advancing 7 Geoprobe® soil borings, installing one on-site groundwater monitoring well, surveying top of casing (TOC) elevation for the new well, developing and sampling new and preexisting wells, collecting and submitting selected soil samples for chemical analysis and preparing a report summarizing the findings of the investigation.

BACKGROUND

The subject site is located on the northeastern corner of the intersection of 8th Street and Center Street in Oakland, California (Figure 1). Topography in the vicinity of the site is relatively flat at an elevation of approximately 15 feet above mean sea level. The nearest surface water is Oakland Inner Harbor approximately one mile south of the site.

The site was first developed as a service station in 1932. Four 1,000-gallon fuel underground storage tanks (USTs) and one waste oil UST, apparently installed when the site was built, were removed in 1973 when the station was closed. The original station facilities, including the building, USTs and the dispenser islands have been removed and the site is now vacant. Properties in the vicinity are developed as residential housing, churches and retail businesses.

PREVIOUS ENVIRONMENTAL WORK

The information discussed below was obtained from files provided by Chevron. Locations of the wells and borings are shown on Figure 2. In 1989, Subsurface Consultants Inc. drilled five soil borings (1 through 5) to depths between 4.5 and 26 feet below ground surface (bgs). Temporary wells were installed in two of these borings. Borings 1 through 4 were installed in the vicinity of the former USTs, the dispenser island, and sumps along the eastern property boundary.

Concentrations up to 14,000 parts per million (ppm) of Total Petroleum Hydrocarbons as diesel (TPHd), up to 31,000 ppm of Total Petroleum Hydrocarbons as gasoline (TPHg) and up to 500 ppm of benzene were detected in soil collected from depths up to 15 feet bgs. One sample from 3.5 feet bgs in boring 5, situated near the hydraulic hoist, contained 16,000 ppm oil and grease (O&G). Grab groundwater samples were collected from borings 1 and 3. TPHd concentrations were non-detect (ND) in either sample. The sample from boring 3 contained benzene (340 parts per billion, or ppb).

Groundwater Technology Inc. drilled three soil borings (SB-1 through SB-3) to 12 feet bgs and installed four groundwater monitoring wells (MW-1 through MW-4) to 15 feet bgs in 1995. Concentrations of TPHg (up to 14,000 ppm) and benzene (up to 120 ppm) were detected in soil samples collected at 5 and 10 feet bgs in borings SB-1, SB-2 and MW-1. TPHg or benzene was not detected in soil samples from borings SB-3 or MW-2 through MW-4 (except for 0.24 ppm of benzene in the sample from boring MW-3 at 10 feet bgs).

Pacific Environmental Group advanced 5 soil vapor points (SV-1 through SV-5) to depths up to 12 feet bgs in 1997. Petroleum hydrocarbons were detected in soil samples collected from all borings at concentrations up to 8,000 ppm of TPHg and 52 ppm of benzene. Soil vapor samples from these borings contained up to 50,000 micrograms per liter (µg/l) of TPHg and 65 µg/l of benzene. The highest soil vapor concentrations were encountered in soil between 6 and 10 feet bgs.

In 1999, Chevron contracted GR to remove the dispenser island, sumps, hydraulic hoist, building foundations, trash enclosure, yard lights and asphalt remaining at the site. This work was initiated in September 1999. At that time, GR encountered one 1,000 gallon UST in the area of the former fuel UST pit along the western property boundary, adjacent to Center Street. One 550 gallon waste oil UST was encountered in front of the existing station building situated along the eastern property boundary. One buried 55 gallon steel drum, apparently used as a makeshift UST, was encountered in the vicinity of the hydraulic hoist inside the station building. At that time, work at the site was discontinued while negotiations between Chevron and the property owner were initiated concerning UST ownership. The USTs were not removed until April 2001. Locations of the former USTs are shown on Figure 2.

On April 12, 2001, GR conducted compliance soil sampling during the removal of one 1,000 gallon gasoline UST, one 550 gallon waste oil UST, the hydraulic hoist and one 55 gallon drum. Two soil samples were collected from beneath the former gasoline UST at approximately 8.5 feet bgs. One soil sample was collected from beneath the former waste oil UST at approximately 8.0 feet bgs. The two soil samples collected from beneath the gasoline UST contained TPHg at 630 and 32 ppm, benzene at 10 and 0.11 ppm and methyl tert-butyl ether (MtBE) at ND and 0.38 ppm. The soil sample collected from beneath the former waste oil UST contained TPHg, TPHd, benzene, MtBE and O&G at 10.0, 3.2, 0.0092, 0.058 and 110 ppm, respectively.

In January, 2002, one off-site groundwater monitoring well (MW-8) was installed downgradient of the subject site (Figure 2). Soil and groundwater samples collected during the installation of MW-8 were analyzed for TPHg, TPHd, benzene, toluene, ethylbenzene, total xylenes (BTEX) and MtBE. In addition, groundwater samples collected after MW-8 was developed were analyzed for the following eight fuel oxygenate compounds: Ethanol, tert-Butyl-alcohol (TBA), MtBE, di-isopropyl ether (DIPE), ethyl tert- butyl ether (ETBE) tertiary Amyl methyl ether (TAME), 1,2-dichloroethane (1,2 DCA) and ethylene dibromide (EDB). The results of the soil chemical analyses were ND for all hydrocarbon constituents analyzed.

On June 21, 2002, GR conducted a subsurface investigation in order to profile soil for landfill acceptance. During the investigation, 23 Geoprobe soil borings were advanced to approximately 12 feet bgs. At each boring location, soil samples were collected at 5 and 10 feet bgs and shipped to the laboratory for chemical analysis.

The results of the chemical analyses were submitted to Allied Waste and two waste approval numbers were issued for acceptance of gasoline and waste oil impacted soil at Forward Landfill in Manteca, California. Sample locations are shown on Figure 4.

In November 2002, GR conducted overexcavation work at the site. Overexcavations were conducted in the location of the former dispenser island and gasoline UST, and in the areas where the hydraulic lift and sumps were located. The total depth of each overexcavation was 12 feet bgs, except in one location where discolored soil was observed and removed to 14 feet bgs. A total of approximately 1,584 tons hydrocarbon impacted soil were removed from the site and transported to the Allied Waste Landfill in Manteca California.

A total of 34 confirmation soil samples were collected during overexcavation work and sent to Lancaster Laboratories, in Lancaster Pennsylvania (ELAP #2116) for analysis. Analytical results are summarized on Figure 4. During overexcavation of the former pump island and gasoline UST area, MW-1 was destroyed by overexcavation under well destruction permit number W02-1012 issued by the ACPWA. Prior to backfilling, approximately 900 pounds of Oxygen Releasing Compound (ORC) was placed in the base of the pump-island and gasoline UST excavation. Each overexcavation was backfilled with class II aggregate base.

Groundwater Sampling

Quarterly monitoring since October 1995 confirms that dissolved hydrocarbons are present in the groundwater beneath the site. The most recent monitoring and sampling event occurred on February 24, 2003. MtBE was not detected in any of the groundwater samples. Groundwater samples collected from wells MW-2, MW-4 and MW-8 did not contain concentrations of TPHg or BTEX. MW-1A contained TPHg at 5,100 ppb and benzene at 92 ppb. Groundwater samples collected from MW-3, located south of the former dispenser island (Figure 2), contained the highest concentrations of TPHg (52,000 ppb) and benzene (9,600 ppb).

Historically, groundwater elevations at the site have varied from 2.45 feet below mean sea level (MSL) (12.97 feet below the top of well casing) to 13.27 feet below MSL (2.37. feet below TOC). Groundwater flow direction at the site is generally to the south with an average gradient of approximately 0.03 ft/ft.

CURRENT INVESTIGATION

All fieldwork and sampling was conducted in accordance with GR's Field Methods and Procedure (attached). The Geoprobe® borings were advanced under drilling permit number W03-0055, issued on January 22, 2003 by the ACPWA and the monitoring well was installed under drilling permit number W02-1246 issued on December 16, 2002 by the ACPWA. Mr. James Yoo of the ACPWA was notified prior to drilling, however he was not on-site during drilling or backfilling of the boreholes. Underground Service Alert (USA) was notified prior to probing at the site, and USA ticket number 027844 was issued.

Geoprobe® Borings

On January 29, 2003, a GR geologist observed Gregg Drilling Inc. (C57 #485165) advance 7 on-site Geoprobe® borings (G-24 through G-30) with a truck mounted rig at the locations shown on Figure 5. The borings were advanced to approximately 16 feet bgs, and soil samples were collected at 5, 10 and 15 feet bgs. The GR geologist prepared logs of the Geoprobe borings and screened the samples in the field for the presence of volatile organic compounds using a photoionization detector (PID). Screening data and the depths at which soil samples were collected are presented on the boring logs included with this report. The boreholes were backfilled with native soil.

Monitoring Well Installation

One groundwater monitoring well, MW-1A, was installed in the proximity of former MW-1 (Figure 3). The boring for MW-1A was drilled with 8-inch diameter hollow stem augers. The well was constructed using 6-feet of two-inch diameter Schedule 40 PVC blank casing and 10-feet of 0.010-inch machine-slotted well screen.

Lonestar #2/12 graded sand was placed in the annular space of the wells across the entire screened interval and extending 1 ½ foot above the top of the screen. The well was then sealed with 1 feet of hydrated bentonite followed by neat cement grout.

The top of the well is protected by a traffic-rated, water-resistant, vault box, locking well cap, and lock. The well construction detail is presented on the boring log for MW-1A and is included in the attachments with this report. After the well was installed, the top of casing elevation (TOC) was surveyed relative to mean sea level by Virgil Chavez land surveying of Vallejo, California (License #6323). The drilling permits and the TOC survey elevations are include with the attachments in this report.

Well Monitoring Development and Sampling

On February 24 and 25, 2003, static groundwater levels were measured in the new and preexisting wells. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are summarized in Table 3.

After the static water levels were measured, the new monitoring well (MW-1A) and all the preexisting monitoring wells (MW-2 through MW-8) were developed by GR personnel using a 2-inch diameter stainless steel bailer and a submersible pump. Redevelopment of MW-2 through MW-8 was performed to address possible silt accumulation as requested by the Alameda County Environmental Health Services in email correspondence with Chevron dated October 31, 2002. Following development, all wells at the site were sampled in accordance with the quarterly monitoring and sampling program. Copies of the GR Well Development and Groundwater Sampling Field Data Sheets are included in the attachments at the end of this report.

After development, groundwater samples were collected from all wells at the site and analyzed as described below. Water generated during well development and sampling was transported to McKittrick Waste Management, in McKittrick, California for disposal.

Laboratory Analysis

All samples collected were shipped to Lancaster Laboratories in Lancaster, Pennsylvania (ELAP #2116) and analyzed for: TPHg and TPHd (EPA 8015M), BTEX and MtBE (EPA 8021). In addition, two selected soil samples were submitted to Sequoia Analytical for analysis of following physical parameters: moisture content by Association of Testing Methods (ASTM) D 2216, Porosity by ASTM D 3152/D 2325, Bulk Density by ASTM D 2937, Soil pH by EPA Method 9045, grain size by ASTM D 2419/D 422 and Sieve, Total Organic Carbon (TOC) by Walkley Black Method and Permeability by ASTM D 5084.

Soil analytical results are summarized in Tables 1 and 2 in the attachments with this report. Also attached is a concentration map showing the boring locations with sample depths and the corresponding analytical results (Figure 3).

RESULTS

Subsurface Conditions

Groundwater was encountered during probing at depths ranging from 12 to 14 feet bgs. Soil encountered during probing consisted primarily of poorly graded fine grain sand with varying amounts of silt. The lithology encountered is consistent with previous investigations at the site.

Based on the results of the laboratory grain size analysis and sieve analysis, soil at the site is classified as silty clayey sand or sandy loam (i.e. a permeable soil composed of a mixture of clay, silt and sand). Detailed descriptions of the soil encountered during drilling are presented in the boring logs included in the attachments.

Soil Analytical Results

Borings G-25, G-27, G-29 and G-30 were advanced southwest of the former sump area in the southeast quadrant of the site as shown on Figure 3. The highest concentrations of TPHg, TPHd, benzene and MtBE were detected in soil samples collected at 10 and 15 feet bgs in borings G-25, G-27, G-29 and G-30 in concentrations ranging from 1,200 to 16,000 ppm (TPHg), 170 to 1,600 ppm (TPHd), 8.5 to 92 ppm (benzene) and ND to 150 ppm (MtBE). Soil samples collected from borings G-24, G-26 and G-28 contained TPHg, TPHd, and benzene in concentrations ranging from ND to 620 ppm (TPHg), ND to 52 ppm (TPHd) and ND to 2.3 ppm (benzene) respectively. Soil sample MW-1A, collected at 16 feet bgs during the installation of MW-1A, contained benzene at 0.013 ppm, however TPHg, TPHd and MtBE were not detected in the sample. Sample locations and chemical analytical results are shown on Figure 3 and the soil chemical analytical results are summarized on Table 1. The results of the physical parameters previously described are summarized in Table 2.

Groundwater Analytical Results

Groundwater samples were collected from monitoring wells MW-1A through MW-8 after well development. None of the hydrocarbon constituents analyzed were detected in groundwater samples collected from MW-5 through MW-8. MtBE was not detected in any of the groundwater samples collected. TPHg and benzene were detected in the groundwater samples collected from MW-1A at 5,100 ppb (TPHg) and 92 ppb (benzene) and MW-3 at 52,000 ppb (TPHg) and 9,600 ppb (benzene). TPHd was detected in wells MW-1A through MW-4 in concentrations ranging form 140 ppb and 4,600 ppb. Groundwater analytical data are summarized in Table 3.

Discussion

The Geoprobe® borings (G-24 through G-30) were advanced in locations outside of the former excavations in order to further define soil conditions at the subject site. Analytical data from boring G-25, G-27, G-29 and G-30 indicate that soil within the groundwater fluctuation zone (10 and 15 feet bgs) and in the saturation zone is impacted by petroleum hydrocarbons. Analytical data from well MW-1A (reconstructed after excavation activities) indicate that TPHg and benzene concentrations are lower that the historical data from MW-1. Further monitoring and sampling events will be conducted at the subject site to evaluate trends.

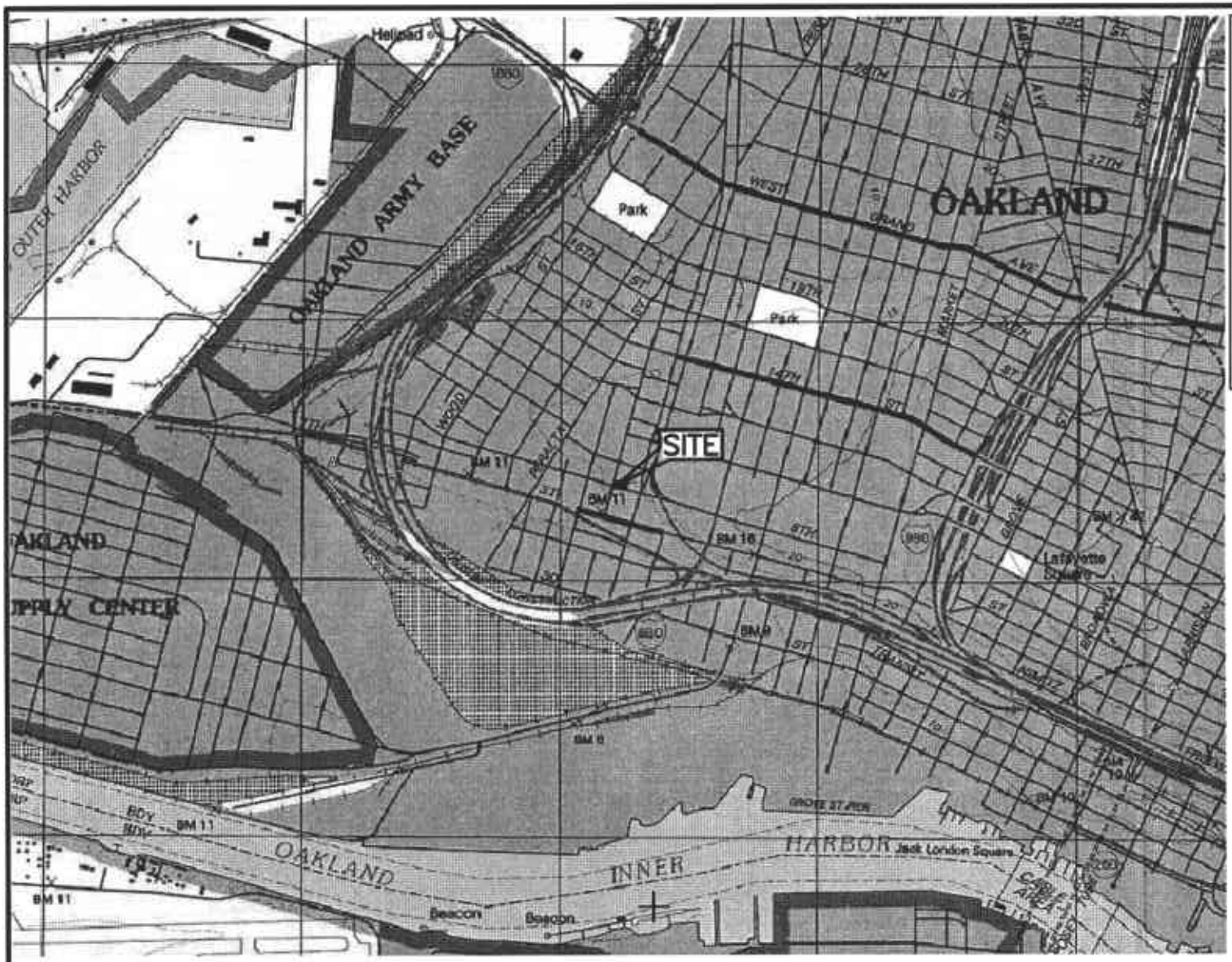
If you have any questions regarding this report, please feel free to call us in our Sacrament Office at (916) 631-1300.

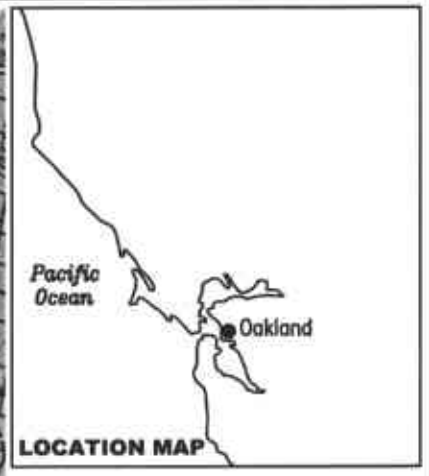
Sincerely,
Gettler-Ryan Inc.

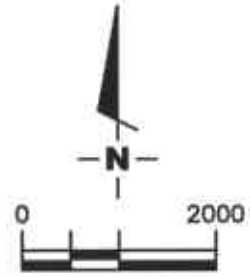
Andrew Smith
Staff Geologist

Douglas J. Lee
Senior Geologist, R.G. 6882

Attachments:
Figure 1 - Vicinity Map
Figure 2 - Site Plan
Figure 3 - Potentiometric Map
Figure 4 – Post – Overexcavation – Soil Sample Concentration Map
Figure 5 – Concentration Map
Table 1- Soil Sample Chemical Analytical Data
Table 2- Soil Physical Parameter Analytical Data
Table 3- Groundwater Monitoring and Chemical Analytical Data
GR's Field Methods and Procedures Boring Logs
Drilling Permits
Boring Logs
Groundwater Monitoring and Well Development Field Data Sheets
TOC Survey Data
Laboratory Analytical Reports and Chain-of Custody Records







Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM.

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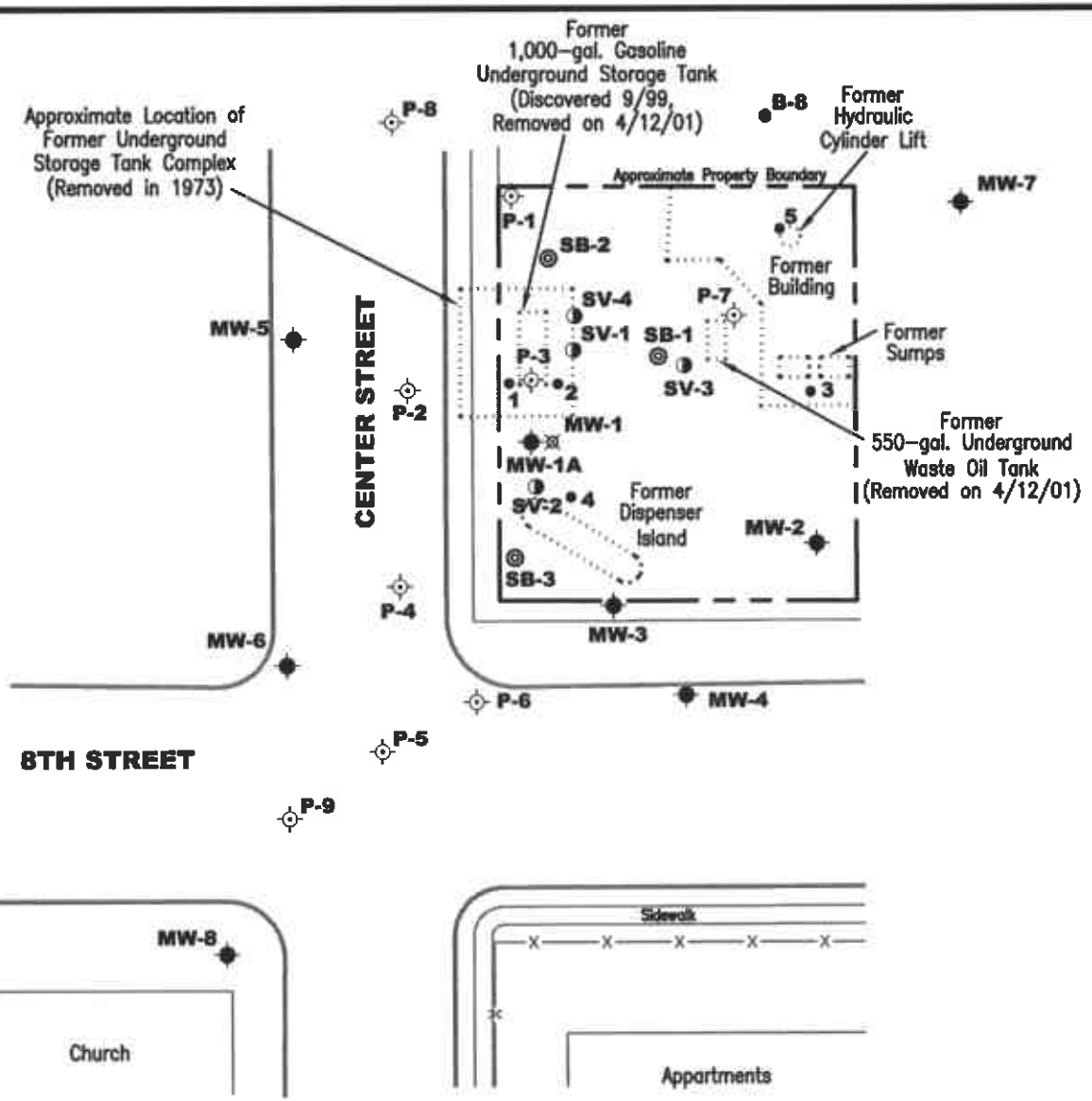
VICINITY MAP
Former Chevron Service Station No. 20-6145
800 Center Street
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
DG26145I.5C01		1/03	

FILE NAME: P:\ENVIRO\CHEVRON\206145\VIC-20-6145.DWG | Layout Tab: CA-North



EXPLANATION

- Groundwater monitoring well
- Destroyed groundwater monitoring well
- 1 — Soil boring – Subsurface Consultants, 1989
- SB-1 — Soil boring – Groundwater Technology, 1995
- SV-1 — Soil vapor probe – Pacific Environmental Group, 1997
- P-1 — Geoprobe soil boring – Pacific Environmental Group, 1997
- B-8 — Soil boring – Pacific Environmental Group, 1997

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by RRM engineering contracting firm.

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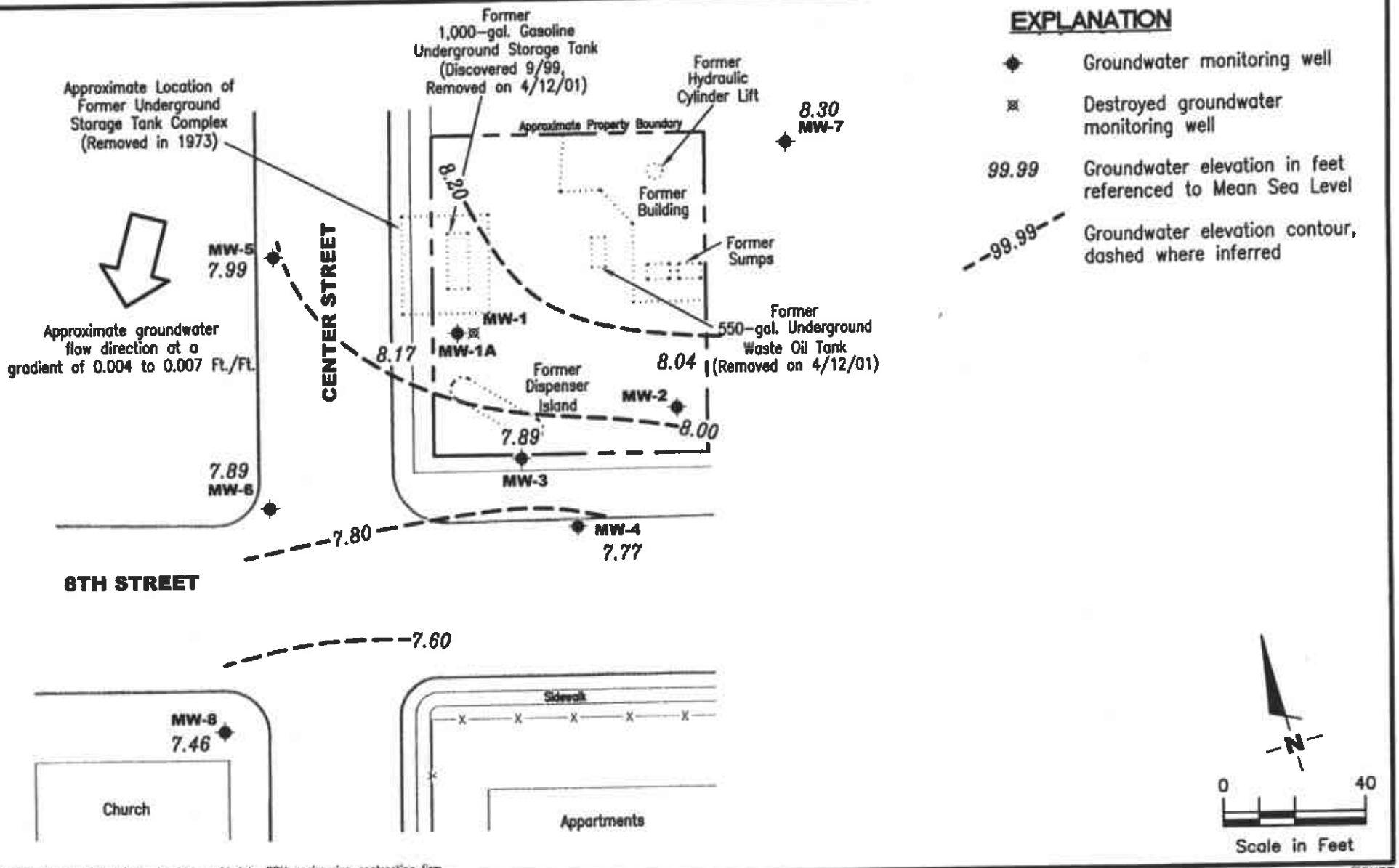
SITE PLAN
Former Chevron Service Station No 20-6145
800 Center Street
Oakland, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
DG26145I.4CT1		2/03	

FILE NAME: P:\ENVIRO\CHEVRON\206145\A01-20-6145.DWG | Layout Tab: Well Install 2-03



Source: Figure modified from drawing provided by RRM engineering contracting firm.

FIGURE 3

POTENTIOMETRIC MAP
Former Chevron Service Station #20-6145
800 Center Street
Oakland, California

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PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
DG26145I.4CT1		4/03	

FILE NAME: P:\ENVIRO\CHEVRON\206145\A01-20-6145.DWG | Layout Tab: Pot1 4-03

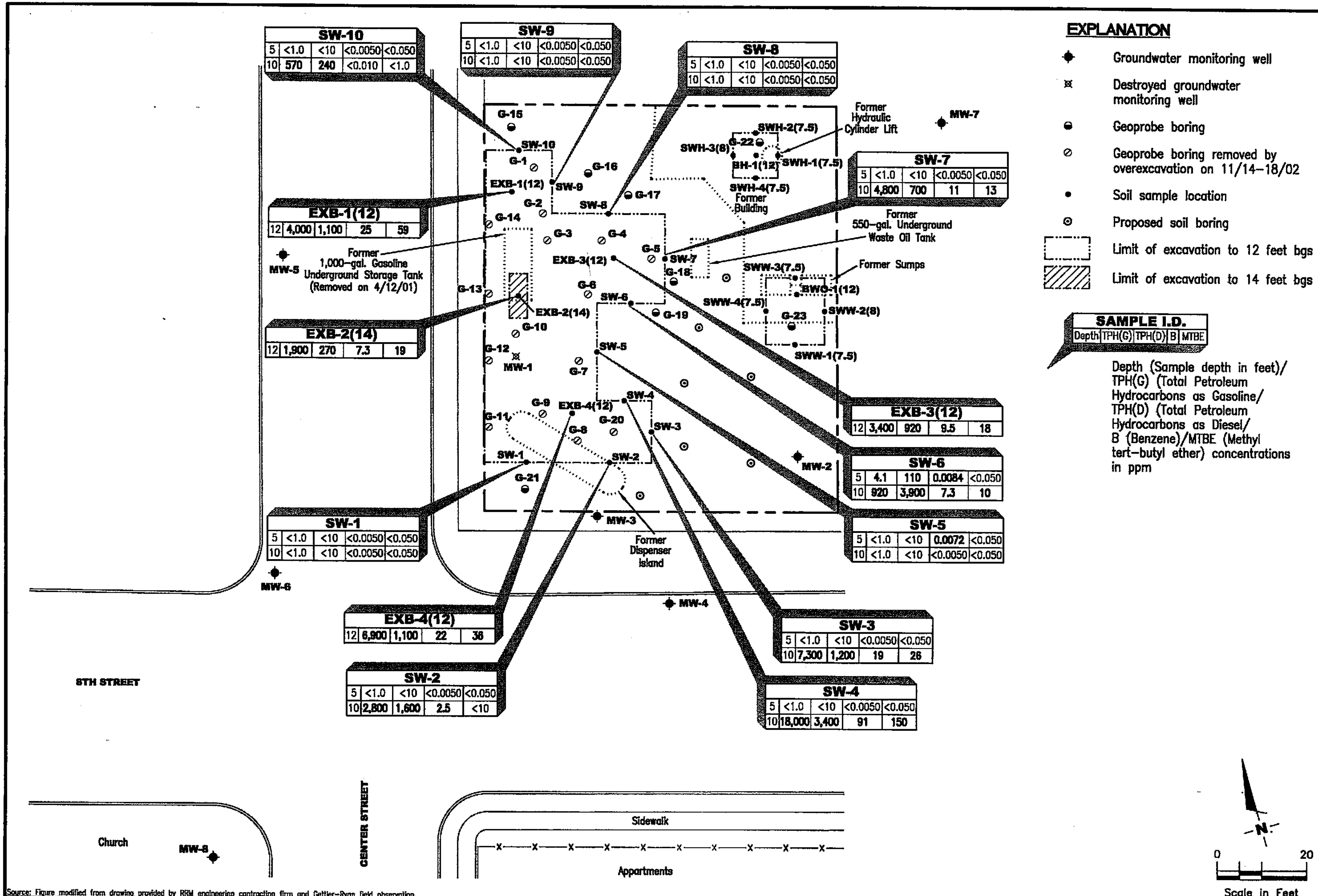
EXPLANATION
Groundwater monitoring well
Destroyed groundwater monitoring well
Geoprobe boring
Geoprobe boring removed by overexcavation on 11/14-18/02
Soil sample location
Proposed soil boring
Limit of excavation to 12 feet bgs
Limit of excavation to 14 feet bgs
SAMPLE I.D.
Depth | TPH(G) | TPH(D) | B | MTBE
Depth (Sample depth in feet)/ TPH(G) (Total Petroleum Hydrocarbons as Gasoline/ TPH(D) (Total Petroleum Hydrocarbons as Diesel/ B (Benzene)/MTBE (Methyl tert-butyl ether) concentrations in ppm
SW-10
5 | <1.0 | <10 | <0.0050 | <0.050
10 | 570 | 240 | <0.010 | <1.0
SW-9
5 | <1.0 | <10 | <0.0050 | <0.050
10 | <1.0 | <10 | <0.0050 | <0.050
SW-8
5 | <1.0 | <10 | <0.0050 | <0.050
10 | <1.0 | <10 | <0.0050 | <0.050
SW-7
5 | <1.0 | <10 | <0.0050 | <0.050
10 | 4,800 | 700 | 11 | 13
EXB-1(12)
12 | 4,000 | 1,100 | 25 | 59
EXB-2(14)
12 | 1,900 | 270 | 7.3 | 19
EXB-3(12)
12 | 3,400 | 920 | 9.5 | 18
SW-6
5 | 4.1 | 110 | 0.0084 | <0.050
10 | 920 | 3,900 | 7.3 | 10
SW-5
5 | <1.0 | <10 | 0.0072 | <0.050
10 | <1.0 | <10 | <0.0050 | <0.050
SW-1
5 | <1.0 | <10 | <0.0050 | <0.050
10 | <1.0 | <10 | <0.0050 | <0.050
EXB-4(12)
12 | 6,900 | 1,100 | 22 | 36
SW-2
5 | <1.0 | <10 | <0.0050 | <0.050
10 | 2,800 | 1,600 | 2.5 | <10
SW-3
5 | <1.0 | <10 | <0.0050 | <0.050
10 | 7,300 | 1,200 | 19 | 26
SW-4
5 | <1.0 | <10 | <0.0050 | <0.050
10 | 18,000 | 3,400 | 91 | 150
Former Hydraulic Cylinder Lift
Former Building
Former 550-gal. Underground Waste Oil Tank
Former Sumps
Former 1,000-gal. Gasoline Underground Storage Tank (Removed on 4/12/01)
Former Dispenser Island
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
G-1
G-2
G-3
G-4
G-5
G-6
G-7
G-8
G-9
G-10
G-11
G-12
G-13
G-14
G-15
G-16
G-17
G-18
G-19
G-20
G-21
G-22
G-23
SWH-1(7.5)
SWH-2(7.5)
SWH-3(8)
SWH-4(7.5)
BH-1(12)
SWW-1(7.5)
SWW-2(8)
SWW-3(7.5)
SWW-4(7.5)
BWO-1(12)
8TH STREET
CENTER STREET
Sidewalk
Appartments
Church
N
0
20
Scale in Feet
Source: Figure modified from drawing provided by RRM engineering contracting firm and Gettler-Ryan field observation.

FIGURE 4

POST-OVER-EXCAVATION/SOIL SAMPLE CONCENTRATION MAP
Former Chevron (Signal Oil) Service Station No. 20-6145
800 Center Street
Oakland, California

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

PROJECT NUMBER DG261451.5C01
REVIEWED BY
DATE November 14, 15, 16 &18, 2002
REVISED DATE
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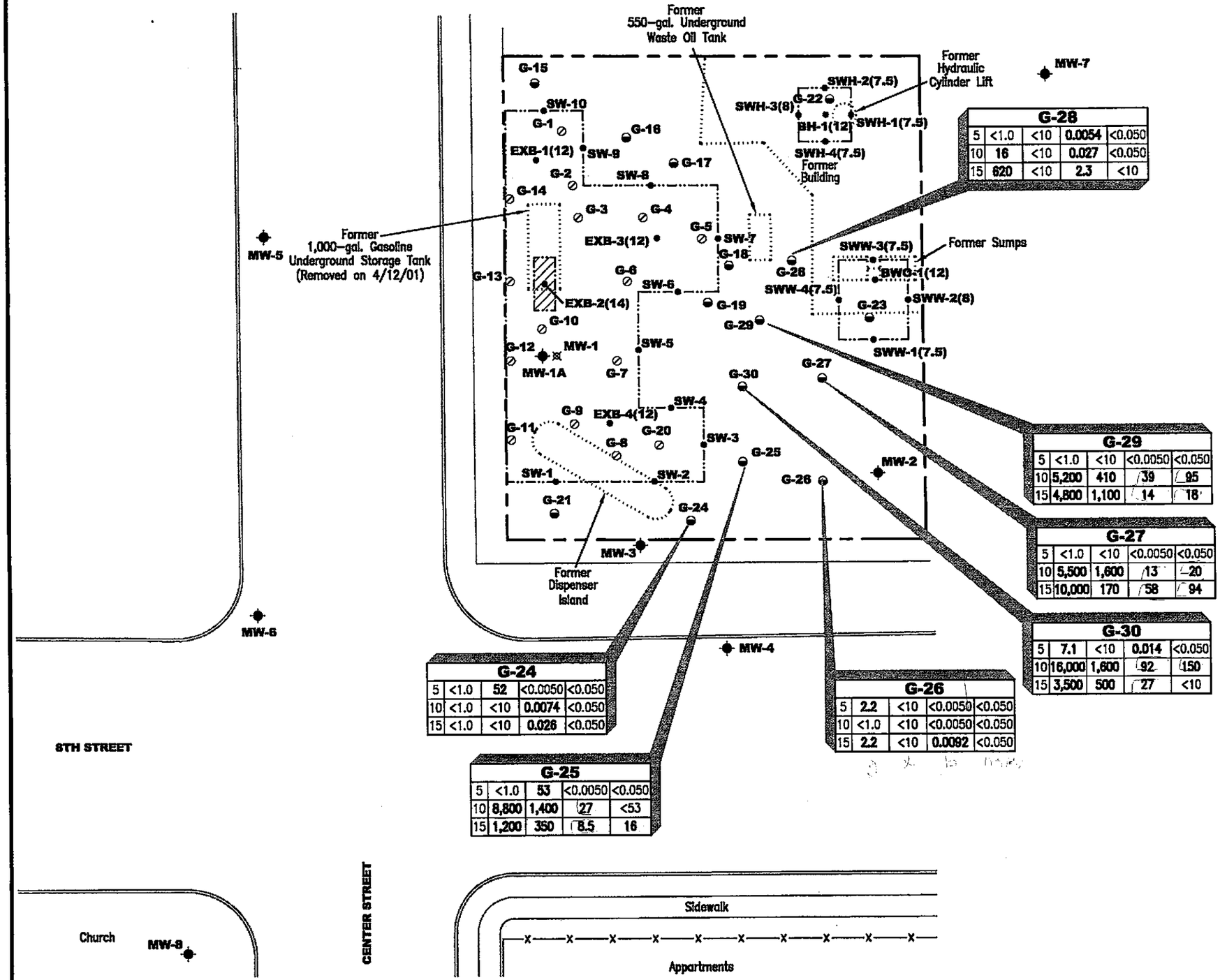


G-28				
5	<1.0	<10	0.0054	<0.050
10	16	<10	0.027	<0.050
15	620	<10	2.3	<10

G-29				
5	<1.0	<10	<0.0050	<0.050
10	5,200	410	39	95
15	4,800	1,100	14	18

G-27				
5	<1.0	<10	<0.0050	<0.050
10	5,500	1,600	13	20
15	10,000	170	58	94

G-30				
5	7.1	<10	0.014	<0.050
10	16,000	1,600	92	150
15	3,500	500	27	<10

G-24				
5	<1.0	52	<0.0050	<0.050
10	<1.0	<10	0.0074	<0.050
15	<1.0	<10	0.026	<0.050

G-26				
5	2.2	<10	<0.0050	<0.050
10	<1.0	<10	<0.0050	<0.050
15	2.2	<10	0.0092	<0.050

G-25				
5	<1.0	53	<0.0050	<0.050
10	8,800	1,400	27	<53
15	1,200	350	8.5	16

EXPLANATION

- Groundwater monitoring well
- Destroyed groundwater monitoring well
- Geoprobe boring
- Geoprobe boring removed by overexcavation on 11/14–18/02
- Soil sample location
- Limit of excavation to 12 feet bgs
- Limit of excavation to 14 feet bgs

SAMPLE I.D.

Depth	TPH(G)	TPH(D)	B	MTBE

Depth (Sample depth in feet)/ TPH(G) (Total Petroleum Hydrocarbons as Gasoline/ TPH(D) (Total Petroleum Hydrocarbons as Diesel/ B (Benzene)/MTBE (Methyl tert-butyl ether) concentrations in ppm

Source: Figure modified from drawing provided by RRM engineering contracting firm and Gettler-Ryan field observation.

FIGURE 5

CONCENTRATION MAP
Former Chevron (Signal Oil) Service Station #20-6145
800 Center Street
Oakland, California

DATE January 29, 2003

REVISED DATE

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

PROJECT NUMBER DG261451.4CT1

REVIEWED BY

FILE NAME: P:\ENV80\CHEVRON\266145\A01-20-6145.DWG | Layout Tab: Con1-S 4-03

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHd (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)
Geoprobe Soil Samples									
G-24(5)	1/29/2003	5	52	< 1.0	<0.0050	0.012	<0.0050	<0.015	<0.050
G-24(10)	1/29/2003	10	<10	<1.0	0.0074	0.014	<0.0050	<0.015	<0.050
G-24(15)	1/29/2003	15	<10	<1.0	0.026	0.012	0.0096	<0.015	<0.050
G-25(5)	1/29/2003	5	53	<1.0	<0.0050	0.0095	<0.0050	<0.015	<0.050
G-25(10)	1/29/2003	10	1,400	8,800	27	560	290	1,200	<53[1]
G-25(15)	1/29/2003	15	350	1,200	8.5	90	35	140	16
G-26(5)	1/29/2003	5	<10	2.2	<0.0050	0.020	0.0076	0.036	<0.050
G-26(10)	1/29/2003	10	<10	<1.0	<0.0050	0.0092	<0.0050	<0.015	<0.050
G-26(15)	1/29/2003	15	<10	2.2	0.0092	<0.020	0.019	0.031	<0.050
G-27(5)	1/29/2003	5	<10	<1.0	<0.0050	0.020	<0.0050	0.018	<0.050
G-27(10)	1/29/2003	10	1,600	5,500	13	250	180	700	20
G-27(15)	1/29/2003	15	170	10,000	58	790	350	1,300	94
G-28(5)	1/29/2003	5	<10	<1.0	0.0054	0.030	0.0063	0.026	<0.050
G-28(10)	1/29/2003	10	<10	16	0.027	0.096	0.056	0.28	<0.050
G-28(15)	1/29/2003	15	<10	620	2.3	34	17	71	<10
G-29(5)	1/29/2003	5	<10	<1.0	<0.0050	0.021	0.0057	0.021	<0.050
G-29(10)	1/29/2003	10	410	5,200	39	380	160	640	95
G-29(15)	1/29/2003	15	1,100	4,800	14	290	170	670	18

ANALYTICAL METHOD:

TPHg and TPHd =Total Petroleum Hydrocarbons as gasoline and diesel by California Luft /EPA Method 8015B modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B

MtBE = Methyl tert-butyl ether by EPA Method 8021B

[1] = Due to the presence of an interferent near its retention time, the normal reporting limit was not attained.

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHd (ppm)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)
Geoprobe Soil Samples									
G-30(5)	1/29/2003	5	<10	**7.1**	**0.014**	**0.25**	**0.14**	**0.70**	<0.050
G-30(10)	1/29/2003	10	**1,600**	**16,000**	**92**	**1,000**	**480**	**1,900**	**150**
G-30(15)	1/29/2003	15	**500**	**3,500**	**27**	**210**	**85**	**370**	<10
Monitoring Well Soil Sample									
MW-1A(16)	1/29/2003	16	<10	<1.0	**0.013**	**0.033**	**0.0087**	**0.027**	<0.050

ANALYTICAL METHOD:

TPHg and TPHd =Total Petroleum Hydrocarbons as gasoline and diesel by California Luft /EPA Method 8015B modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B

MtBE = Methyl tert-butyl ether by EPA Method 8021B

[1] = Due to the presence of an interferent near its retention time, the normal reporting limit was not attained.

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 2 - SOIL PHYSICAL PARAMETERS

Former Chevron Service Station #
800 Center Street
Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	Moisture Content %	Porosity	Soil pH	Grain S Sand %	Grain S Fine %
G-24(8)	1/29/2003	8	15.75	34.10	7.82	64.77	34.8
G-27(14)	1/29/2003	14	18.74	32.97	7.07	69.06	30.9

EXPLANATION:

lbs/cu ft = Pounds Per Cubic Foot
gm/cc = Grams per cubic centimeter
TOC =Total Organic Carbon
cm/sec = Centimeter per second
ppm = parts per million

ANALYTICAL METHOD:

Moisture Content American Society of Testing And Materials (ASTM) Method D 2216
Porosity by ASTM D 3152/ D 2325
Bulk Density by ASTM Method D 2937
Soil pH by Environmental Protection Agency (EPA) Method 9045
Grain Size by ASTM D 2419/ D 422
TOC =Total Organic Carbon by Walkley Black
Permeability by ASTM Method D 5084

TABLE 3 - GROUNDWATER MONITORING AND CHEMICAL ANALYTICAL DATA

Former Chevron Service Station #20-6145
800 Center Street
Oakland, California

Sample No.	Sample Date	Total Well Depth (ft.)	Well[1] Elev. (ft. MSL)	Depth to Water (ft.)	Floating Product (ft.)	Ground Water Elevation (ft. MSL)	TPHd (ppb)	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MtBE (ppb)
MW-1A	2/24/2003	16.83	15.49	7.32	0.00	8.17	**4,600**	**5,100**	**92**	**340**	**66**	**480**	<10
MW-2	2/24/2003	14.39	— 15.69	7.65	0.00	8.04	**140**	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-3	2/25/2003	14.55	15.40	7.51	0.00	7.89	**4,500**	**52,000**	**9,600**	**4,800**	**2,900**	**4,100**	<130[2]
MW-4	2/24/2003	15.41	14.37	6.60	0.00	7.77	**200**	<50	**8.0**	<0.50	<0.50	<1.5	<2.5
MW-5	2/25/2003	19.35	15.01	7.02	0.00	7.99	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-6	2/25/2003	16.50	14.68	6.79	0.00	7.89	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-7	2/25/2003	19.35	16.31	8.01	0.00	8.30	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-8	2/25/2003	20.29	15.29	7.83	0.00	7.46	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5

EXPLANATION:

ft. = feet

ft. MSL = feet relative to Mean Sea Level

ppb = parts per billion

ANALYTICAL LABORATORY:

Severn Trent Laboratories CA DHS ELAP # 2496

[1] = Well elevations reported as top of casing (TOC) surveyed by Virgil Chavez, Licensed California Land Surveyor No. 6323

[2] = The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

ANALYTICAL METHODS:

TPHg , TPHd = Total Petroleum Hydrocarbons as gasoline and diesel according to California Luft /EPA Method 8015B modified

Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8021B

MtBE = Methyl tertiary-butyl ether according to EPA Method 8021B

GETTLER - RYAN
FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan, Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the of these plans contents prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Exploratory soil borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring. Soil samples are collected from the exploratory soil boring with a split-barrel sampler or other appropriate sampling device fitted with clean brass or stainless steel liners. The sampling device is driven approximately 18 inches with a 140-pound hammer falling 30 inches. The number of blows required to advance the sampler each successive 6 inches is recorded on the boring log. The encountered soil is described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting or aluminum foil, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Samples are selected for chemical analysis based on:

a. depth relative to underground storage tanks and existing ground surface
b. depth relative to known or suspected groundwater
c. presence or absence of contaminant migration pathways
d. presence or absence of discoloration or staining
e. presence or absence of obvious gasoline hydrocarbon odors
f. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves removing some soil from one of the sample tubes not retained for chemical analysis and immediately covering the end of the tube with a plastic cap. The PID probe is inserted into the headspace inside the tube through a hole in the plastic cap. Head-space screening results are recorded on the boring log. Head-space screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Stockpile Sampling

Stockpile samples consist of four individual sample liners collected from each 100 cubic yards (yd^3) of stockpiled soil material. Four arbitrary points on the stockpiled material are chosen, and discrete soil sample is collected at each of these points. Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass tube into the stockpiled material with a wooden mallet or hand driven soil sampling device. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, placed in the

cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Construction of Monitoring Wells

Monitoring wells are constructed in the exploratory borings with Schedule 40 polyvinyl Chloride (PVC) casing. All joints are thread-joined; no glues, cements, or solvents are used in well construction. The screened interval is constructed of machine-slotted PVC well screen which generally extends from the total well depth to a point above the groundwater. An appropriately-sized sorted sand is placed in the annular space adjacent to the entire screened interval. A bentonite transition seal is placed in the annular space above the sand, and the remaining annular space is sealed with neat cement or cement grout.

Wellheads are protected with water-resistant traffic rated vault boxes placed flush with the ground surface. The top of the well casing is sealed with a locking cap. A lock is placed on the well cap to prevent vandalism and unintentional introduction of materials into the well.

Storing and Sampling of Drill Cuttings

Drill cuttings are stockpiled on plastic sheeting or stored in drums depending on site conditions and regulatory requirements. Stockpile samples are collected and analyzed on the basis of one composite sample per 50 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless or brass sample tube into the stockpiled material with a hand, mallet, or drive sampler. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Wellhead Survey

The top of the newly-installed well casing is surveyed by a California-licensed Land Surveyor to mean sea level (M.S.L.).

Well Development

The purpose of well development is to improve hydraulic communication between the well and surrounding aquifer. Prior to development, each well is monitored for the presence of separate-phase hydrocarbons and the depth-to-water is recorded. Wells are then developed by alternately surging the well with the bailer, then purging the well with a pump to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

Grab Groundwater Sampling

A Hydropunch® groundwater sampling tool or temporary PVC casing installed in the boring may be used to facilitate grab groundwater sample collection. Samples of groundwater are collected from the surface of the water in the Hydropunch® or temporary casing using a teflon bailer. The water samples are then gently poured into laboratory-cleaned containers and sealed with teflon-lined caps, and inspected for air bubbles to check for headspace. The samples are then labeled by an adhesive label, noted in permanent ink, and promptly placed in an ice storage. A Chain-of-

Custody Record is initiated and updated throughout handling of the samples, and accompanies the samples to the laboratory certified by the State of California for analyses requested.

Groundwater Sampling

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

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip (or comparable) interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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

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

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

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

As requested by Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 800 Center Street Oakland

CLIENT
Name Chevron Texaco
Address _____ Phone _____
City San Ramon Zip _____

APPLICANT
Name Gettler-Ryan Inc.
Fax (925) 551-7898
Address 6747 Sierra Ct Suite J Phone (925) 551-7444
City Dublin, CA Zip 94568

TYPE OF PROJECT

Well 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	☐		

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C57 # 485165

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

GEOTECHNICAL PROJECTS
Number of Borings 4 Maximum
Hole Diameter 2 in. Depth 12 ft.

ESTIMATED STARTING DATE 1/29/03
ESTIMATED COMPLETION DATE 1/29/03

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

APPLICANT'S SIGNATURE _____ DATE 1/21/03

PLEASE PRINT NAME Andrew Smith

FOR OFFICE USE

PERMIT NUMBER W03-0055
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
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

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 1-22-03

Rev.5-13-00

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
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 800 Center Street
Oakland, CA

CLIENT
Name Chevron Products Company
Address P.O. Box 6004 Phone
City San Ramon Zip 94583

APPLICANT
Name Gettler-Ryan Inc.
Address 6747 Sierra Ct Suite J Fax 925-551-7888
City Dublin CA Zip 94568 Phone 925 551-7744

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

New Domestic		Replacement Domestic	
Municipal		Irrigation	
Industrial		Other	

DRILLING METHOD:

Mud Rotary		Air Rotary		Auger	X
Cable		Other			

DRILLER'S NAME Gregg Drilling
DRILLER'S LICENSE NO. 485165

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2" in. Depth 15 ft.
Surface Seal Depth 1 ft. Owner's Well Number MW-1

GEOTECHNICAL PROJECTS
Number of Borings
Hole Diameter in. Maximum Depth ft.

STARTING DATE 1/29/02
COMPLETION DATE 1/29/02

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

APPLICANT'S SIGNATURE [signature] DATE 12/16/02

FOR OFFICE USE

PERMIT NUMBER WO2-1246
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
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

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 [signature] DATE 12-16-02

Gettler-Ryan, Inc.

Log of Boring G-24

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *13* DATE: *01/29/03* TIME: *07:40*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
3					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
6	0	G-24 (5)			SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	
9		G-24 (8)					
12	0	G-24 (10)				▽	
15	1.7	G-24 (15)				Bottom of boring at 16 feet bgs.	
18							
21							

JOB NUMBER: *DG26145I.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-25

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *14.5* DATE: *01/29/03* TIME: *08:10*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
					SM	SILTY SAND WITH GRAVEL (SM) - dark brown (7.5YR 3/3), moist, medium dense; 65% fine sand, 20% silt, 15% gravel.	Boring backfilled with neat cement to ground surface.
					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, medium dense; 90% fine sand, 10% silt.	
3							
	14.5	G-25 (5)				Color changes to strong brown (7.5YR 5/6).	
6							
9							
	520	G-25 (10)					
12							
						▽	
15	332	G-25 (15)					
						Bottom of boring at 16 feet bgs.	
18							
21							

JOB NUMBER: *DG26145I.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-26

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO. : *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *12* DATE: *01/29/03* TIME: *08:25*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP	POORLY GRADED SAND (SP) - dark brown (7.5YR 3/3), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
3						Color changes to dark brown (7.5YR 3/3),	
6	0	G-26 (5)					
9		G-26 (8)					
12	0	G-26 (10)				Color changes to greenish gray (5GY 4/1).	
15	1.7	G-26 (15)					
18						Bottom of boring at 16 feet bgs.	
21							

JOB NUMBER: *DG26145I.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-27

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO. : *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *13* DATE: *01/29/03* TIME: *08:30*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
3						Color changes to strong brown (7.5YR 5/6).	
6	0	G-27 (5)					
9							
12	35	G-27 (10)					
	135					▽	
		G-27 (14)					
15	300	G-27 (15)				Color changes to greenish gray (5GY 4/1).	
						Bottom of boring at 16 feet bgs.	
18							
21							

Gettler-Ryan, Inc.

Log of Boring G-28

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *13* DATE: *01/29/03* TIME: *09:05*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
3					SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
6	0	G-28 (5)					
9							
12	90	G-28 (10)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), wet, dense; 90% fine to medium sand, 10% silt. ▽	
15	150	G-28 (15)					
18						Bottom of boring at 16 feet bgs.	
21							

JOB NUMBER: *DG26145I.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-29

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *12.5* DATE: *01/29/03* TIME: *09:45*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
3	0	G-29 (5)			SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
6							
9	119	G-29 (10)					
12					SW	WELL-GRADED SAND (SW) - strong brown (7.5YR 5/6), moist, dense; 95% fine to coarse sand, 5% silt.	
					SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), wet, dense; 95% fine sand, 5% silt.	
15	289	G-29 (15)					
						Bottom of boring at 16 feet bgs.	
18							
21							

JOB NUMBER: *DG26145I.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-30

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	SURFACE ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *14* DATE: *01/29/03* TIME: *09:55*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *2 in. Geoprobe - Direct Push*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
3						Trace gravel.	
6	0	G-30 (5)					
	71						
9							
	280	G-30 (10)					
12					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, dense; 90% fine to medium sand, 10% silt.	
						∇	
15	350	G-30 (15)				Color changes to greenish gray (5GY 4/1).	
						Bottom of boring at 16 feet bgs.	
18							
21							

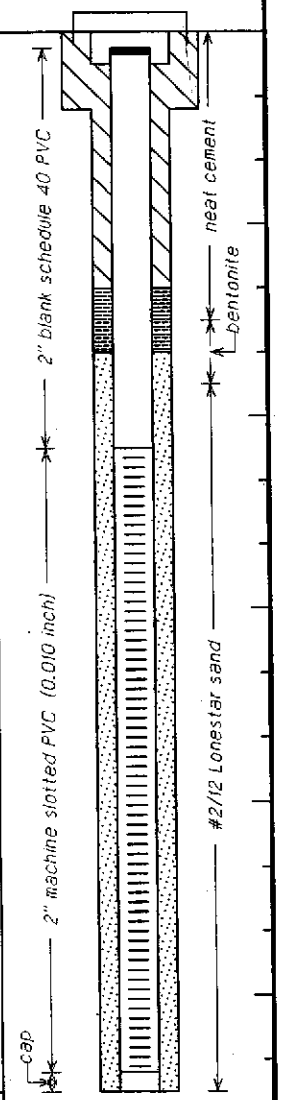
Gettler-Ryan, Inc.

Log of Boring MW-1A

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO. : *DG26145I.4CT1*	CASING ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *12.5* DATE: *01/29/03* TIME: *11:10*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
						Class II aggregate base.
12					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) – greenish gray (5GY 4/1), wet, medium dense; 90% fine to medium sand, 10% silt.
15	119	MW-1A (16)				
						Bottom of boring at 16.5 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG26145I.4CT1*

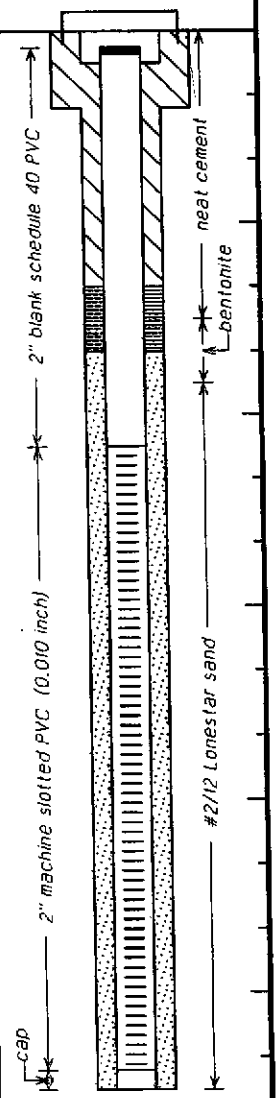
Gettler-Ryan, Inc.

Log of Boring MW-1A

PROJECT: *Former Chevron Service Station No. 20-6145*	LOCATION: *800 Center Street, Oakland, California*
GR PROJECT NO.: *DG26145I.4CT1*	CASING ELEVATION:
DATE STARTED: *01/29/03*	WL (ft. bgs): *12.5* DATE: *01/29/03* TIME: *11:10*
DATE FINISHED: *01/29/03*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *16.5 feet*
DRILLING COMPANY: *Gregg Drilling*	GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION
0						Class II aggregate base.
12					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) – greenish gray (5GY 4/1), wet, medium dense; 90% fine to medium sand, 10% silt.
15	119	MW-1A (16)				
						Bottom of boring at 16.5 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG26145I.4CT1*

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02.24.03
City: Oakland, CA Sampler: DM.

Well ID MW-1M Date Monitored: 02.24.03 Well Condition: Ok.
Well Diameter 2 in.
Initial Total Depth 116.75 ft.
Final Total Depth 116.83 ft.
Depth to Water 7.32 ft.

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

9.43 xVF .17 = 1.60 x3 (case volume) = Estimated Purge Volume: 16 to 30 gal.

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

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

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

Start Time (purge): 1350 Weather Conditions: Cloudy
Sample Time/Date: 1440 / 02.24.03 Water Color: ~~Clear~~ Cloudy (Brown) Odor: NO
Purging Flow Rate: 1.5 gpm. Sediment Description: Silty
Did well de-water? NO If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1353	3	8.92	433	15.9		
1355	6	8.87	420	15.8		
1358	9	8.93	417	15.8		
1406	12	9.06	414	15.9		
1404	15	9.08	421	15.7		
1407	18	9.04	422	16.9		
1410	21	9.11	421	16.0		
1413	24	9.13	435	16.2		
1416	27	9.07	437	15.8		
1420	30	9.04	422	16.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1M	3x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-1M	2x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Hand bailed 10 gallons Cleaned up good.

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

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02.24.03
City: Oakland, CA Sampler: DM.

Well ID MW-2 Date Monitored: 02.24.03 Well Condition: O.K.
Well Diameter 2 in.
Initial Total Depth 10.35 ft.
Final Total Depth 14.34 ft.
Depth to Water 7.65 ft.

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

2.70 xVF .17 = 0.45 x10 (case volume) = Estimated Purge Volume: 4.5 gal. purged 30 gallons

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

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

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

Start Time (purge): 1240 Weather Conditions: Cloudy
Sample Time/Date: 1320 02/24/03 Water Color: rusty (Brown) Odor: No
Purging Flow Rate: 1.5 gpm. Sediment Description: Silty
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1243	3	7.42	758	19.8		
1245	6	7.33	750	19.9		
1248	9	7.25	752	19.4		
1250	12	7.14	754	19.6		
1253	15	7.02	751	20.0		
1255	18	6.89	754	20.1		
1258	21	6.81	750	19.8		
1300	24	6.78	748	19.4		
1304	27	6.73	743	19.9		
1307	30	6.69	741	20.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-2	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Hand bailed 22½ gallons with stainless steel bailer. Lot of silt and sand.

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02-24-03 - 02-25-03
City: Oakland, CA Sampler: DM

Well ID MW-3 Date Monitored: 02-24-03 Well Condition: O.K
Well Diameter 2 in.
Initial Total Depth 13.43 ft.
Final Total Depth 14.55 ft.
Depth to Water 7.51 ft.

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

7.04 xVF .17 = 1.19 x 10 (case volume) = Estimated Purge Volume: 12+.30 gal.

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

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

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

Start Time (purge): 1420 Weather Conditions: Sunny
Sample Time/Date: 1500 02-25-03 Water Color: cloudy/grey Odor: YES
Purging Flow Rate: 2 gpm. Sediment Description: Silty
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1422	3	6.50	885	19.1		
1424	6	6.23	882	21.9		
1427	9	6.22	881	22.3		
1430	12	6.24	859	20.7		
1432	15	6.23	863	20.9		
1435	18	6.19	862	21.3		
1437	21	6.21	859	21.6		
1440	24	6.27	854	21.4		
1442	27	6.23	853	21.2		
1445	30	6.20	854	21.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-3	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Hand bailed 15 gallons, well keeps having silt runs into it as I bail.

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02-24-03-02-25-03
City: Oakland, CA Sampler: DM.

Well ID MW- 4 Date Monitored: 02-24-03 Well Condition: Ok.
Well Diameter 2 in.
Initial Total Depth 8.73 ft.
Final Total Depth 15.41 ft.
Depth to Water 6.00 ft.

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

2.13 xVF .17 = 0.36 x 10 (case volume) = Estimated Purge Volume: 4+.30 gal.

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

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

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

Start Time (purge): 1520 Weather Conditions: Cloudy
Sample Time/Date: 1615 02-24-03 Water Color: Cloudy (grey) Odor: No
Purging Flow Rate: 2 gpm. Sediment Description: Silty
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1524	3	7.56	517	18.0		
1526	6	7.34	534	20.3		
1529	9	7.24	534	22.9		
1533	12	7.16	539	21.6		
1537	15	7.15	541	20.9		
1540	18	7.10	525	22.2		
1542	21	7.01	522	23.1		
1546	24	6.82	523	24.3		
1549	27	6.77	527	24.2		
1552	30	6.69	529	22.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 4	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW- 4	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Hand bailed 17 gallons with stainless steel bailer before purging

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

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02-24-03-02-25-03
City: Oakland, CA Sampler: DM.

Well ID MW-5 Date Monitored: 02-24-03 Well Condition: O.K.
Well Diameter 2 in.
Initial Total Depth 19.04 ft.
Final Total Depth 19.35 ft.
Depth to Water 7.02 ft.

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

12.33 xVF .17 = 2.09 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

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

Start Time (purge): 1215 Weather Conditions: Partly Cloudy Lot Sunny
Sample Time/Date: 1300 / 02-25-03 Water Color: Cloudy (Light Brown) Odor: Slight
Purging Flow Rate: 2 gpm. Sediment Description: Slight
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1218	2	6.58	457	18.2		
1220	4	6.59	490	18.8		
1222	6	6.65	503	20.1		
1224	8	6.63	505	19.2		
1226	10	6.62	510	19.4		
1229	12	6.63	507	19.6		
1231	14	6.67	505	19.5		
1233	16	6.64	509	19.9		
1237	18	6.96	504	20.4		
1240	21	6.85	512	19.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-5	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Not very much silt found bailed 7 gallons.

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02-24-03-02-25-03
City: Oakland, CA Sampler: DM

Well ID MW-6 Date Monitored: 02-24-02 Well Condition: OK.
Well Diameter 2 in.
Initial Total Depth 8.45 ft.
Final Total Depth 16.50 ft.
Depth to Water 6.79 ft.

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

9.71 xVF 1.7 = 1.65 x10 (case volume) = Estimated Purge Volume: 16½ to 30 gal.

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

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

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

Start Time (purge): 1100 Weather Conditions: Partly Cloudy wet Sunny
Sample Time/Date: 1145 02-25-03 Water Color: Clear Odor: No
Purging Flow Rate: 2 gpm. Sediment Description: -
Did well de-water? No If yes, Time: - Volume: - gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1103	3	7.07	283	19.4		
1106	6	6.86	289	20.5		
1109	9	6.74	286	21.5		
1113	12	6.73	290	21.0		
1115	15	6.71	291	21.3		
1118	18	6.62	298	21.3		
1120	21	6.64	294	21.2		
1123	24	6.62	293	21.0		
1126	27	6.57	299	21.4		
1129	30	6.43	306	21.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-6	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Some vegetation had well Klogged up, hand bailed 15 gallons before purging. Well cleaned up good.

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02.24.03-02.25.03
City: Oakland, CA Sampler: DM.

Well ID MW- 7 Date Monitored: 02.24.03 Well Condition: OK
Well Diameter 2 in.
Initial Total Depth 18.10 ft.
Final Total Depth ~~19.35~~ ft. 19.35
Depth to Water 8.01 ft.

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

11.32 xVF .17 = 1.92 x10 x3 (case volume) = Estimated Purge Volume: 19½ to 30 gal.

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

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

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

Start Time (purge): 1330 Weather Conditions: Sunny
Sample Time/Date: 1405 / 02.25.03 Water Color: Cloudy (Brown) Odor: No
Purging Flow Rate: 2 gpm. Sediment Description: —
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1333	3	7.10	348	17.8		
1337	6	6.97	331	18.5		
1340	9	6.96	332	20.2		
1342	12	6.94	333	20.1		
1345	15	6.93	337	19.4		
1346	18	6.92	332	20.1		
1350	21	6.90	334	20.4		
1353	24	6.89	336	20.5		
1355	27	6.93	334	20.3		
1358	30	6.91	331	20.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 7	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW- 7	1 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Hand bailed 9½ gallons, over ½ foot of silt + sand removed from well.

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

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
Site Address: 800 Center Street Event Date: 02.24.03
City: Oakland, CA Sampler: DM.

Well ID MW-8 Date Monitored: 02.24.03 Well Condition: OK.
Well Diameter 2 in.
Initial Total Depth 20.03 ft.
Final Total Depth 20.24 ft.
Depth to Water 7.85 ft.

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

12.20 xVF .17 = 2.07 x 10 (case volume) = Estimated Purge Volume: 20 gal.

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

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

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

Start Time (purge): 0950 Weather Conditions: Partly Cloudy
Sample Time/Date: 1030 / 02.25.03 Water Color: Clear/Light Brown Odor: N
Purging Flow Rate: 2 gpm. Sediment Description: No silt
Did well de-water? No If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0952	2	7.43	446	19.4		
0954	4	7.20	435	20.6		
0956	6	7.12	426	21.9		
0959	8	7.08	424	21.7		
1001	10	7.09	418	22.6		
1003	12	7.08	418	22.8		
1006	14	7.06	425	23.6		
1008	16	7.05	418	22.0		
1010	18	7.03	422	23.0		
1012	20	7.02	424	22.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-8	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: well cleaned up great.

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

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

February 21, 2003
Project No.: 2119-01

Andrew Smith
Gettler-Ryan, Inc.
6747 Sierra Court, Suite J
Dublin, CA 94568-2611

Subject: Monitoring Well Survey
Former Chevron Service Station
800 Center Street
Oakland, CA

Dear Andrew:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on February 18, 2003. The benchmark for this survey was a City of Oakland Benchmark #25-H monument disk in well casting in sidewalk at the northwest corner of 7th and Center. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 10.784 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				15.92	RIM MW-1A
37.8065177	-122.2943676	2121102.82	6043307.79	15.49	TOC MW-1A

LICENSED LAND SURVEYOR
VIRGIL D. CHAVEZ
No. 6323
Exp 12-31-06
STATE OF CALIFORNIA

Sincerely,

Virgil D. Chavez, PLS 6323

Lancaster Laboratories

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 842836. Samples arrived at the laboratory on Thursday, February 27, 2003. The PO# for this group is 99011184 and the release number is STREICH.

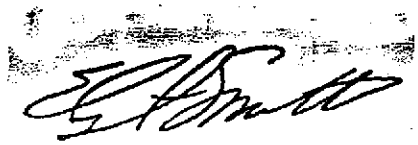
Client Description			Lancaster Labs Number
QA-T-03022425	NA	Water	4002202
MW-1A-W-030224	Grab	Water	4002203
MW-2-W-030224	Grab	Water	4002204
MW-3-W-030225	Grab	Water	4002205
MW-4-W-030224	Grab	Water	4002206
MW-5-W-030225	Grab	Water	4002207
MW-6-W-030225	Grab	Water	4002208
MW-7-W-030225	Grab	Water	4002209
MW-8-W-030225	Grab	Water	4002210

1 COPY TO Cambria C/O Gettler- Ryan Attn: Deanna L. Harding

Lancaster Laboratories

Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,



Elizabeth A. Smith
Senior Chemist

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002202

Collected:02/24/2003 00:00
through 02/25/2003 00:00
Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
QA-T-03022425 NA Water GRD

Facility# 206145 Job# 386492
800 Center St-Oakland T0600102230 QA

Account Number: 10904

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 03:51	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 03:51	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 03:51	Jamie A Lutz	n.a.

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002203

Collected:02/24/2003 14:40 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-1A-W-030224 Grab Water

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-1A

CSO-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	4,600.	250.	ug/l	10
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	5,100.	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	92.	0.50	ug/l	1
02164	Toluene	108-88-3	340.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	66.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	480.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	10.	ug/l	1

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	2	03/06/2003 07:52	Tracy A Cole	10
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 00:36	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 00:36	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 00:36	Jamie A Lutz	n.a.

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002203

Collected:02/24/2003 14:40 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-1A-W-030224 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-1A

CSO-1 07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002204

Collected:02/24/2003 13:20 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-2-W-030224 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-2

CSO-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	140.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/06/2003 15:46	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/04/2003 22:24	Melissa D Mann	1
02159	BTEX, MTBE	SW-846 8021B	1	03/04/2003 22:24	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/04/2003 22:24	Melissa D Mann	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002205

Collected:02/25/2003 15:00 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-3-W-030225 Grab Water

GRD

Facility# 206145 Job# 386492
800 Center St-Oakland T0600102230 MW-3

CSO-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	4,500.	520.	ug/l	20
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	52,000.	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	9,600.	25.	ug/l	50
02164	Toluene	108-88-3	4,800.	25.	ug/l	50
02166	Ethylbenzene	100-41-4	2,900.	25.	ug/l	50
02171	Total Xylenes	1330-20-7	4,100.	75.	ug/l	50
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	130.	ug/l	50
	The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	2	03/06/2003 15:23	Tracy A Cole	20
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 00:04	Jamie A Lutz	50
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 00:04	Jamie A Lutz	50
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 00:04	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002206

Collected:02/24/2003 16:15 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-4-W-030224 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-4

CSO-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	200.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	8.0	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	2	03/06/2003 12:23	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 04:56	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 04:56	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 04:56	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002207

Collected:02/25/2003 13:00 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-5-W-030225 Grab Water

GRD

Facility# 206145 Job# 386492
800 Center St-Oakland T0600102230 MW-5

CSO-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/05/2003 23:39	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 05:29	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 05:29	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 05:29	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002208

Collected:02/25/2003 11:45 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-6-W-030225 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-6

CSO-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/06/2003 00:01	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 06:01	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 06:01	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 06:01	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002209

Collected:02/25/2003 14:05 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-7-W-030225 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

GRD

Facility# 206145 Job# 386492
800 Center St-Oakland T0600102230 MW-7

CSO-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/06/2003 00:23	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 06:34	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 06:34	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 06:34	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4002210

Collected:02/25/2003 10:30 by DM

Account Number: 10904

Submitted: 02/27/2003 09:20
Reported: 03/12/2003 at 17:20
Discard: 04/12/2003
MW-8-W-030225 Grab Water

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-8

CSO-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01729	TPH-GRO - Waters					
01730	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.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	3	03/12/2003 13:56	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/01/2003 07:06	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	03/01/2003 07:06	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/01/2003 07:06	Jamie A Lutz	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT-DRO/8015B, mod	1	03/03/2003 09:30	Aubri L Peters	1

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/12/03 at 05:20 PM

Group Number: 842836

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03059A55A	Sample number(s): 4002202-4002203,4002205-4002210							
TPH-GRO - Waters	N.D.	50.	ug/l	113	129	70-130	13	30
Benzene	N.D.	.5	ug/l	92	93	80-118	1	30
Toluene	N.D.	.5	ug/l	96	97	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	97	98	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	98	99	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	102	103	79-127	1	30
Batch number: 030600011A	Sample number(s): 4002203-4002210							
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	90	96	54-120	7	20
Batch number: 03063A55A	Sample number(s): 4002204							
TPH-GRO - Waters	N.D.	50.	ug/l	86	87	70-130	1	30
Benzene	N.D.	.5	ug/l	89	92	80-118	4	30
Toluene	N.D.	.5	ug/l	95	96	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	96	98	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	97	98	82-120	2	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	101	100	79-127	1	30

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: 03059A55A	Sample number(s): 4002202-4002203,4002205-4002210								
TPH-GRO - Waters	73	77	70-130	2	30				
Benzene	(2)	(2)	67-136	2	20				
Toluene	94	88	78-129	6	30				
Ethylbenzene	75	70*	75-133	2	30				
Total Xylenes	96	91	86-132	4	30				
Methyl tert-Butyl Ether	(2)	(2)	66-136	1	30				
Batch number: 03063A55A	Sample number(s): 4002204								
TPH-GRO - Waters	96	109	70-130	6	30				
Benzene	97		67-136						
Toluene	102		78-129						
Ethylbenzene	103		75-133						
Total Xylenes	103		86-132						
Methyl tert-Butyl Ether	100		66-136						

Surrogate Quality Control

Analysis Name: BTEX, MTBE
Batch number: 03059A55A

	Trifluorotoluene-F	Trifluorotoluene-P
4002202	101	115
4002203	131	144*
4002205	101	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.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425

Lancaster Laboratories

Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/12/03 at 05:20 PM

Group Number: 842836

Surrogate Quality Control

4002206	101	114
4002207	104	116
4002208	101	115
4002209	102	114
4002210	101	113
Blank	100	114
LCS	107	113
LCSD	106	113
MS	106	115
MSD	107	116
Limits:	57-146	66-136

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 030600011A

	Orthoterphenyl
4002203	81
4002204	98
4002205	90
4002206	83
4002207	88
4002208	90
4002209	89
4002210	95
Blank	90
LCS	93
LCSD	97
Limits:	59-139

Analysis Name: BTEX, MTBE
Batch number: 03063A55A

	Trifluorotoluene-F	Trifluorotoluene-P
4002204	99	114
Blank	102	115
LCS	102	112
LCSD	100	112
MS	108	109
MSD	107	
Limits:	57-146	66-136

*- 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.

For Lancaster Laboratories use only
Acct. #: 10904 Sample #: 4002202-10 SCR#: 842836

022603-001

Facility #: SS#206145 G-R#386492 Global ID#T0600102230
Site Address: 800 CENTER ST.OAKLAND, CA
Chevron PM: KS Lead Consultant: CAMBRIA
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: David Moreno
Service Order #: ☐ Non SAR:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (Potable ☐ NPDES ☐)	Oil ☐ Air ☐	Total Number of Containers	#	#	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ____	Lead 7420 ☐ 7421 ☐
QA						X		2			X	X				
MW-1R	02-24-03	1440	X			X		5			X	X	X			
MW-2	02-24-03	1320	X			X		5			X	X	X			
MW-3	02-25-03	1500	X			X		5			X	X	X			
MW-4	02-24-03	1615	X			X		5			X	X	X			
MW-5	02-25-03	1300	X			X		5			X	X	X			
MW-6	02-25-03	1145	X			X		5			X	X	X			
MW-7	02-25-03	1405	X			X		5			X	X	X			
MW-8	02-25-03	1030	X			X		5			X	X	X			

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		Date	Time
Relinquished by: David Moreno	02-25-03	1630	Received by:		
Relinquished by:	Date	Time	Received by:	2-26-03	1330
Relinquished by:	2-26-03	1530	Received by: Airborne		
Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by:	2/26/03	0720
Temperature Upon Receipt 1.5 - 2.5°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Lancaster Laboratories
Where quality is a science.

FAX Cover Page

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2425 New Holland Pike
Lancaster, PA 17605-2425

Phone: 717-656-2300
Fax: 717-656-2681

Deliver to: Mr. Greg Gurss

Company: Gettler Ryan

Fax: 1916-631-1317

From: Automated Fax

Message:

Client Service Representative: Teresa M. Lis

Lancaster Laboratories Analytical Report

2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986853

Collected: 01/29/2003 07:30 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-24-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-24
G245-

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	52.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.012	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/10/2003 12:20	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 04:31	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 04:31	Deborah S Garrison	25

Sample Number: SW 3986854

Collected: 01/29/2003 07:40 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-24-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-24

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986854

G2410

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0074	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.014	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 13:57	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 09:35	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 09:35	Deborah S Garrison	25

Sample Number: SW 3986855

Collected: 01/29/2003 10:05 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-24-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-24

G2415

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986855

01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.026	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.012	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0096	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 14:19	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 10:13	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 10:13	Deborah S Garrison	25

Sample Number: SW 3986856

Collected: 01/29/2003 08:00 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-25-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-25
G25S5

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	53.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986856

02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.0095	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 21:02	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 10:51	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 10:51	Deborah S Garrison	25

Sample Number: SW 3986857

Collected: 01/29/2003 08:05 by AS
Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-25-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-25
G2510

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	1,400.	250.	mg/kg	25

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	8,800.	800.	mg/kg	20000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	27.	4.0	mg/kg	20000
02177	Toluene	108-88-3	560.	4.0	mg/kg	20000
02178	Ethylbenzene	100-41-4	290.	4.0	mg/kg	20000
02182	Total Xylenes	1330-20-7	1,200.	12.	mg/kg	20000
02199	MTBE	1634-04-4	N.D.	53.	mg/kg	20000

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986857

presence or concentration of this compound cannot be determined due to the presence of this interferent.
MTBE

Poor surrogate recoveries were obsereved due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 19:10	Tracy A Cole	25
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 02:04	Deborah S Garrison	20000
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 02:04	Deborah S Garrison	20000

Sample Number: SW 3986858

Collected: 01/29/2003 08:10 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:15

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-25-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-25
G2515

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	350.	100.	mg/kg	10
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	1,200.	200.	mg/kg	5000
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	8.5	1.0	mg/kg	5000
02177	Toluene	108-88-3	90.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	35.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	140.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	16.	10.	mg/kg	5000
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986858

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 19:32	Tracy A Cole	10
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 02:42	Deborah S Garrison	5000
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 02:42	Deborah S Garrison	5000

Sample Number: SW 3986859

Collected: 01/29/2003 08:20 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:16

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-26-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-26
G26S5

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	2.2	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.020	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0076	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.036	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 14:42	Tracy A Cole	1

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 03:20	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 03:20	Deborah S Garrison	25

Sample Number: SW 3986860

Collected: 01/29/2003 08:25 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:16

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-26-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-26
G2610

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.0092	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 15:04	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 03:58	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 03:58	Deborah S Garrison	25

Sample Number: SW 3986861

Collected: 01/29/2003 08:30 by AS

Account: 10992

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986861

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:16

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-26-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-26
G2615

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	2.2	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0092	0.0050	mg/kg	25
02177	Toluene	108-88-3	N.D.	0.020	mg/kg	25
02178	Ethylbenzene	100-41-4	0.019	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.031	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
toluene

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 15:26	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 10:02	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 10:02	Stephanie A Selis	25

Sample Number: SW 3986862

Collected: 01/29/2003 08:40 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:16

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986862

G-27-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-27
G2705

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.020	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.018	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 15:49	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 16:33	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 16:33	Deborah S Garrison	25

Sample Number: SW 3986863

Collected: 01/29/2003 08:45 by AS
Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:16

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-27-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-27
G2710

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	1,600.	250.	mg/kg	25
	According to the California LUFT Protocol, the quantitation for Diesel					

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Sample Number: SW 3986863

Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	5,500.	400.	mg/kg	10000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	13.	1.0	mg/kg	5000
02177	Toluene	108-88-3	250.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	180.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	700.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	20.	10.	mg/kg	5000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 19:55	Tracy A Cole	25
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 12:34	Stephanie A Selis	10000
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 17:11	Deborah S Garrison	5000

Sample Number: SW 3986864

Collected: 01/29/2003 08:50 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:17

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-27-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-27
G2715

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	170.	10.	mg/kg	1

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	10,000.	400.	mg/kg	10000

Poor surrogate recoveries were observed for this sample due to the dilution

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Sample Number: SW 3986864

needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	58.	2.0	mg/kg	10000
02177	Toluene	108-88-3	790.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	350.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	1,300.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	94.	20.	mg/kg	10000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 18:48	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 13:12	Stephanie A Selis	10000
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 13:12	Stephanie A Selis	10000

Sample Number: SW 3986865

Collected: 01/29/2003 09:00 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:17

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-28-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-28
G2805

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	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.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0054	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.030	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0063	0.0050	mg/kg	25

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Sample Number: SW 3986865

02182	Total Xylenes	1330-20-7	0.026	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 16:11	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 18:27	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 18:27	Deborah S Garrison	25

Sample Number: SW 3986866

Collected: 01/29/2003 09:05 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:17

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-28-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-28
G2810

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726 TPH-GRO - Soils

01727	TPH-GRO - Soils	n.a.	16.	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.

02160 BTEX/MTBE

02174	Benzene	71-43-2	0.027	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.096	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.056	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.28	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 16:34	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 19:05	Deborah S Garrison	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 19:05	Deborah S Garrison	25

Sample Number: SW 3986867

Collected: 01/29/2003 09:15 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:17

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-28-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-28
G2815

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	620.	200.	mg/kg	5000
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	2.3	1.0	mg/kg	5000
02177	Toluene	108-88-3	34.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	17.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	71.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	N.D.	10.	mg/kg	5000
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					
	Due to the nature of the sample matrix, normal reporting limits were not attained for MTBE.					
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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 16:56	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 11:56	Stephanie A Selis	5000
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 11:56	Stephanie A Selis	5000

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

Sample Number: SW 3986868

Collected: 01/29/2003 09:30 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:17

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-29-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-29
G2905

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	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.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.021	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0057	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.021	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.					

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 18:03	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 09:24	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 09:24	Stephanie A Selis	25

Sample Number: SW 3986869

Collected: 01/29/2003 09:40 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:18

ChevronTexaco
6001 Bollinger Canyon Rd L4310

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986869

San Ramon CA 94583

G-29-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-29
G2910

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	410.	100.	mg/kg	10
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	5,200.	400.	mg/kg	10000
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	39.	2.0	mg/kg	10000
02177	Toluene	108-88-3	380.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	160.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	640.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	95.	20.	mg/kg	10000
	Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.					

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CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 20:17	Tracy A Cole	10
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/05/2003 13:50	Stephanie A Selis	10000
02160	BTEX/MTBE	SW-846 8021B	1	02/05/2003 13:50	Stephanie A Selis	10000

Sample Number: SW 3986870

Collected: 01/29/2003 09:45 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:18

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-29-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-29
G2915

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	1,100.	250.	mg/kg	25

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2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986870

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	4,800.	200.	mg/kg	5000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	14.	1.0	mg/kg	5000
02177	Toluene	108-88-3	290.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	170.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	670.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	18.	10.	mg/kg	5000

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 20:40	Tracy A Cole	25
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 23:32	Deborah S Garrison	5000
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 23:32	Deborah S Garrison	5000

Sample Number: SW 3986871

Collected: 01/29/2003 09:50 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:18

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-30-S-5-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-30
G3005

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	7.1	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.

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986871

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.

02160 BTEX/MTBE

02174	Benzene	71-43-2	0.014	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.25	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.14	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.70	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/06/2003 18:25	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/11/2003 15:57	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	02/11/2003 15:57	Stephanie A Selis	25

Sample Number: SW 3986872

Collected: 01/29/2003 09:55 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:18

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-30-S-10-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-30
G3010

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	1,600.	250.	mg/kg	25

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726 TPH-GRO - Soils

01727	TPH-GRO - Soils	n.a.	16,000.	800.	mg/kg	20000

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.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

02160 BTEX/MTBE

Lancaster Laboratories Analytical Report

2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986872

02174	Benzene	71-43-2	92.	4.0	mg/kg	20000
02177	Toluene	108-88-3	1,000.	4.0	mg/kg	20000
02178	Ethylbenzene	100-41-4	480.	4.0	mg/kg	20000
02182	Total Xylenes	1330-20-7	1,900.	12.	mg/kg	20000
02199	MTBE	1634-04-4	150.	40.	mg/kg	20000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/05/2003 15:33	Tracy A Cole	25
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/12/2003 17:34	Steven A Skiles	20000
02160	BTEX/MTBE	SW-846 8021B	1	02/12/2003 17:34	Steven A Skiles	20000

Sample Number: SW 3986873

Collected: 01/29/2003 10:00 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:18

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

G-30-S-15-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 G-30
G3015

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	500.	100.	mg/kg	10

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726 TPH-GRO - Soils

01727	TPH-GRO - Soils	n.a.	3,500.	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.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

02160 BTEX/MTBE

02174	Benzene	71-43-2	27.	1.0	mg/kg	5000
02177	Toluene	108-88-3	210.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	85.	1.0	mg/kg	5000

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Sample Number: SW 3986873

02182	Total Xylenes	1330-20-7	370.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	N.D.	10.	mg/kg	5000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/05/2003 16:40	Tracy A Cole	10
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 01:57	Stephanie A Selis	5000
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 01:57	Stephanie A Selis	5000

Sample Number: SW 3986874

Collected: 01/29/2003 11:15 by AS

Account: 10992

Submitted: 01/30/2003 09:20
Reported: 02/13/2003 at 15:19

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1A-S-16-030129 Grab Soil
Facility# 206145 GRRC
800 Center St-Oakland T0600102230 MW-1A
M1A16

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1

According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).

01726	TPH-GRO - Soils					
01727	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.

02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.013	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.033	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0087	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.027	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25

The analysis for volatiles was performed on a sample which was preserved

Lancaster Laboratories Analytical Report
2425 New Holland Pike, Lancaster, PA 17603

Sample Number: SW 3986874

in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05547	TPH - DRO CA LUFT (Soils)	CALUFT-DRO/8015B, Modified	1	02/05/2003 07:30	Tracy A Cole	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	02/04/2003 01:20	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	02/04/2003 01:20	Stephanie A Selis	25

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 falls within the Method Detection Limit (MDL) and 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.

Chevron California Region Analysis Request/Chain of Custo

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: _____ Sample #: _____ SCR#: _____

Global ID T0600102230 Location → Job # G261457 4CT1

Facility #: Former Chevron Service Station Number 20-6145
Site Address: 800 Center Street, Oakland CA
Chevron PM: Karen Streich Lead Consultant: Gettler -Ryan
Consultant/Office: 3140 gold camp Drive, Rancho Cordova
Consultant Prj. Mgr.: Greg Gurss
Consultant Phone #: (916) 631-1317 Fax #: (916)631-1317
Sampler: Andrew Smith
Service Order #: ☐ Non SAR:

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

Sample Identification	Date Collected	Time Collected	Matrix: Grab	Composite	Soil	Water	Potable ☐ NPDES ☐	Oil ☐ Air ☐	Total Number of Containers	Preservation Codes	Analyses Requested: BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup ☐	8260 full scan	Oxygenates —	Lead 7420 ☐ 7421 ☐
G-28(10)	1/29/03	905	X		X				-		X	X	X			
G-28(15)		915									X	X	X			
G-29(5)		920									X	X	X			
G-29(10)		940									X	X	X			
G-29(15)		945									X	X	X			
G-30(5)		950									X	X	X			
G-30(10)		955									X	X	X			
G-30(15)		1000									X	X	X			
MW-1A(16)		1115									X	X	X	8260 full scan		

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		Date	Time
Relinquished by:	1/29/03	1430	Received by:	1-29-03	1431
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:		
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Chevron California Region Analysis Request/Chain of Custo[dy]

Lancaster Laboratories
Where quality is a science

For Lancaster Laboratories use only
Acct. #: ______ Sample #: ______ SCR#: ______

SID T0600102230 Job # DG26145.4C11

Facility #: Former Chevron Service Station # 20-6145
Site Address: 800 Center Street, Oakland CA
Chevron PM: Karen Streich Lead Consultant: Gettler - Ryan Inc.
Consultant/Office: 3140 Gold Camp Drive, Suite 170
Consultant Prj. Mgr.: Greg Gurss
Consultant Phone #: (916) 631-1314 Fax #: (916) 631-1317
Sampler: [signature] Andrew Smith
Service Order #: [illegible] ☐ Non SAR:

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

Matrix: ☐ Potable ☐ NPDES

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX / MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐						
6-24 (5)	1/29/03	735	X		X			1	X	X	X									
6-24 (10)	↓	740	↓		↓			↓	X	X	X									
6-24 (15)	↓	1005	↓		↓			↓	X	X	X									
6-25 (5)	↓	800	↓		↓			↓	X	X	X									
6-25 (10)	↓	805	↓		↓			↓	X	X	X									
6-25 (15)	↓	810	↓		↓			↓	X	X	X									
6-26 (5)	↓	820	↓		↓			↓	X	X	X									
6-26 (10)	↓	825	↓		↓			↓	X	X	X									
6-26 (15)	↓	830	↓		↓			↓	X	X	X									
6-27 (5)	↓	840	↓		↓			↓	X	X	X									
6-27 (10)	↓	845	↓		↓			↓	X	X	X									
6-27 (15)	↓	850	↓		↓			↓	X	X	X									
6-28 (5)	↓	900	↓		↓			↓	X	X	X									

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
[signature]	1/29/03	1530	[signature]	1-29-03	1530
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other ______			Received by:	Date	Time
Temperature Upon Receipt ______ °C			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01