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Dana Thurman
Project Manager

June 30, 2005

(date)

ChevronTexaco

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

Alameda County
JUL 06 2005
Environmental Health

Re: Chevron Service Station # 9-2960

Address: 2416 Grove Way, Castro Valley, California

I have reviewed the attached report titled Closure Request
and dated June 30, 2005.

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

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

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

Sincerely,



Dana Thurman
Project Manager

Enclosure: Report

June 30, 2005

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

Re: **Closure Request**
 Former Chevron Service Station 9-2960
 2416 Grove Way
 Castro Valley, California
 RO275

Alameda County
 JUL 06 2005
 Environmental Health

Dear Mr. Chan:

On behalf of Chevron Environmental Management Company (Chevron), Cambria Environmental Technology, Inc. (Cambria), is submitting this *Closure Request* for the referenced site. The site is presented for closure as a low-risk fuel site based on the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) definition as described in their memorandum "*Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*," dated January 5, 1996. A summary of the site background, site conditions, and the applicability of low-risk fuel site criteria are presented below.

SITE BACKGROUND

The site is a former Chevron service station located at the northeast corner of the Grove Way and Redwood Road in Castro Valley, California (Figure 1). Topography in the general site vicinity is flat gently sloping to the south. The site is currently occupied by a Trader Joe's grocery store parking lot (Figure 2).

Previous Investigations

1986 Monitoring Well Installation: In October 1986, EMCON Associates installed groundwater monitoring wells C-1 through C-4. The highest hydrocarbon concentrations in groundwater were reported from well C-1 with 120,000 parts per billion (ppb) total petroleum hydrocarbons as gasoline (TPHg) and 25,000 ppb benzene, respectively. No soil data is available from these wells.

1990 Monitoring Well Installation: GeoStrategies, Inc. installed off-site wells C-5 through C-7 to delineate the lateral extent of hydrocarbons in groundwater.

1993 Groundwater and Soil Vapor Extraction Well Installation: Weiss Associates (WA) installed well EW-1, which was used as a groundwater and soil vapor extraction system. No soil data is available for EW-1. The system operated from November 1993 through 1996 and removed approximately 8,900 pounds of petroleum hydrocarbons. In 1997, the extraction system was shut down and removed with approval from ACHCSA.

Cambria
 Environmental
 Technology, Inc.

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 Suite 12
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 Tel (916) 630-1855
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1991 Subsurface Investigation: In February 1997, Gettler-Ryan (G-R) advanced borings B-1 through B-6 to investigate soil near the former product piping and dispenser island areas. Borings B-1 through B-4 were advanced to a total depth of 16.5 feet below grade (fbg); borings B-5 and B-6 were advanced to 19.5 fbg. TPHg and benzene concentrations were reported in the capillary fringe zone, from 15.5 to 18.5 fbg, at a maximum of 2,300 and 13 milligrams per kilogram (mg/kg), respectively.

2002 Subsurface Investigation: In 2002, G-R advanced borings B-7 through B-9, and installed groundwater monitoring well C-8. C-8 was completed to a depth of 25 fbg, B-7 was completed to 25 fbg, and B-8 and B-9 were completed to 20 fbg. Hydrocarbons reported in soil and grab-groundwater were not significant.

2004 Soil and Vapor Investigation: In April and May 2004, Cambria advanced soil boring SB1 and installed temporary soil vapor points SV-1 through SV-4. No significant hydrocarbons were reported in soil from SB-1. Groundwater from SB-1 reported TPHg at 180 micrograms per liter ($\mu\text{g/L}$) and benzene at $0.5 \mu\text{g/L}$. Slight concentrations of hydrocarbon constituents were reported in the soil vapor samples, with up to $100 \mu\text{g/m}^3$ benzene reported from SV-2, slightly exceeding the residential ESL for benzene of $84 \mu\text{g/m}^3$. The detection limits for SV1 were raised due to the presence of non-target species identified as 2-proponol.

Groundwater Monitoring: Gettler-Ryan (GR) began groundwater monitoring in March 1987. In October 1989, C-1 contained 0.91 feet of separate-phase hydrocarbons (SPH). GR began interim recovery of SPH from C-1 in January 1990. Bailing and pumping continued through January 1995. Semi-annual monitoring and sampling was initiated for all wells in January 1997, during the first and third quarters. Well C-8 has been monitored and sampled quarterly since installation.

SITE CONDITIONS

Hydrogeology: The site is located in the Castro Valley groundwater basin of the San Francisco Bay hydrologic region. The water usage in this basin has been designated for non-potable purposes and is unconfined. Depth to groundwater beneath the site has historically ranged from approximately 14 fbg and 20 fbg. Groundwater flow direction fluctuates between the west and southwest direction.

Geologic Setting: Soil in the vicinity of the site is Pleistocene age alluvium consisting of unconsolidated clay, silt, sand and gravel up to 80 feet thick. A thin surficial alluvium deposit of Holocene age overlays the Pleistocene alluvium. The alluvium is underlain by Jurassic age alluvium consisting of non-water bearing rock.

Soil beneath the site consists primarily of gravel overlain by clay and sand, and silty sand to 25 fbg, total depth explored.

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The nearest surface water to the site is San Lorenzo Creek located approximately 700 feet south of the site. The site is approximately 153 feet above mean sea level. Topography in the area slopes slightly southwestward.

Monitoring Well Status: Two monitoring wells, C-7 and C-8, remain active monitoring wells. Well C-7 is located west of the site across Redwood Road, but was removed from the monitoring and sampling program in 2002 because no petroleum hydrocarbon constituents had been reported since sampling began in 1990. Monitoring well C-8 is located within the landscaping on the southwest margin of the site and is actively monitored quarterly. Monitoring well C-5 was abandoned in 1997 to allow site development. Monitoring wells C-1, C-2, C-3, and extraction well EW-1 were abandoned in 1998 to facilitate the Redwood Road widening project. Monitoring wells C-4 and C-6 were paved over and lost in 1999. Numerous attempts to recover the wells were made by G-R, but the wells were not located.



Remediation Conducted

To date, the following remedial activities have been conducted on-site:

Source Area Removal: The source area was removed when the site facilities were removed prior to November 1986.

SPH Removal: Separate phase hydrocarbons (SPH) were removed intermittently from monitoring well C-1 by methods of bailing and pumping.

Groundwater and Soil Vapor Extraction: A groundwater and soil vapor extraction system operated intermittently from November 1993 through 1996, removing approximately 8,900 pounds of petroleum hydrocarbons.


Hydrocarbon Distribution in Soil

Two source areas have been identified on-site. The primary hydrocarbon source area is the former dispenser island at the northwest edge of the site along Redwood Road. Soil concentrations for TPHg, benzene, toluene, ethylbenzene and xylenes reported in boring B-1 ranged from below the laboratory detection limit to 2,300 mg/kg, 13 mg/kg, 64 mg/kg, 32 mg/kg, and 160 mg/kg, respectively, at 16 fbg (Table 1). Table 1 identifies historical soil results; bold values represent residual soil concentrations remaining on-site. Figure 2 presents positive soil concentrations across the site. All non-detect data for borings with respective sample depths are not included on Figure 2 and can be found in Table 1.

The secondary source area in soil is limited to the former dispenser island at the southern edge of the site along Grove Way. Shallow soil in boring B-6 reported maximum TPHg of 560 mg/kg at 2.5 fbg (Table 1). The extent of residual hydrocarbons in soil appears to be effectively delineated.

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Hydrocarbon Vapors Distribution in Soil



Analytical results of soil vapor sampling reported only very slight concentrations of hydrocarbon constituents in subsurface soil (Table 2). Vapor samples were analyzed for BTEX and the results were compared to conservative residential indoor air environmental screening levels (ESL) for these constituents. None of the vapor samples reported concentrations of toluene, ethylbenzene or xylenes above residential indoor air ESLs. Two of the four vapor samples did not contain concentrations of benzene above the residential indoor air ESL. One of the vapor samples (SV-1) reported high levels of a non-petroleum hydrocarbon constituent; this resulted in the laboratory raising the reporting limit. A discussion of the data with Air Toxics Limited indicated the presence of non-target species identified as 2-proponal and is not considered consistent with a petroleum release. The presence of 2-proponal in SV-1 is likely the result of the use of bentonite pellets as the seal for the vapor points. Bentonite pellets are coated with acetone which breaks down into 2-proponal. The break down likely occurred during continual watering in the planter where the vapor point was located. The water leached the acetone to the subsurface which broke down into 2-proponal which was subsequently reported in the vapor sample collected. As a result, it cannot be verified if the vapor sample from SV-1 is below or above the ESL for benzene. The vapor sample from SV-2 ($100 \mu\text{g}/\text{m}^3$) only slightly exceeds the shallow soil gas ESL¹ for benzene ($84 \mu\text{g}/\text{m}^3$) for residential indoor air, but is below the commercial shallow soil gas ESL ($280 \mu\text{g}/\text{m}^3$) for indoor air.

Hydrocarbon Distribution in Groundwater

Monitoring well C-1 historically reported measurable separate-phase hydrocarbons up to 1.24 feet thick until 1995, prior to SVE being discontinued in 1996. Groundwater concentrations in wells C-1, C-2, C-3, C-4, and C-5 were stable to decreasing prior to be abandoned (Attachment B). C-6 and C-7 have mainly reported no hydrocarbon concentrations since monitoring and sampling began in 1990. TPHg and benzene concentrations in C-8 are decreasing and slightly above respective ESLs² ($46 \mu\text{g}/\text{L}$ and $500 \mu\text{g}/\text{L}$, respectively). TPHg and benzene are predicted to be below the respective ESLs by 2010 (Attachment C). Groundwater from SB-1 (Table 3) confirms no significant concentrations of hydrocarbons are present in the northern, up-gradient portion of the site. TPHg was reported at a concentration of 180 micrograms per liter ($\mu\text{g}/\text{L}$) and benzene at a concentration of $0.5 \mu\text{g}/\text{L}$.

¹ SFBRWQCB, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, dated July 2003. ESL values from Table E-2. Shallow soil gas screening levels for evaluation of potential indoor-air impacts (volatile chemicals only), using the lowest residential and carcinogenic effects for residential exposure value and the lowest commercial/industrial land use value.

² SFBRWQCB, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, dated July 2003. ESL values from Table B. Shallow soils (<3m bgs) where groundwater is NOT a current or potential source of drinking water.

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REGULATORY STATUS REVIEW AND RECOMMENDATIONS

This site appears to meet the SFBRWQCB criteria for a low-risk groundwater site. As described by the January 5, 1996 SFBRWQCB memorandum *Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites*, a low-risk groundwater case has the following general characteristics:

- The leak has stopped and ongoing sources, including free product, have been removed or remediated;
- The site has been adequately characterized;
- The dissolved hydrocarbon plume is not migrating;
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted;
- The site presents no significant risk to human health or the environment.

Each of the low-risk groundwater case characteristics, as they relate to the site, are discussed below.

The Leak Has Stopped and Ongoing Sources, Including Free Product, Have Been Removed

The source of hydrocarbon impact was stopped during site facilities removal prior to 1986. Separate-phase hydrocarbons (SPH) were mostly removed from well C-1 by methods of bailing and pumping and additionally through successful intermittent soil vapor extraction (SVE). SPH were never measured in C-8, installed adjacent to C-1.

The Site Has Been Adequately Characterized

The extent of hydrocarbons in soil and groundwater appears adequately defined and limited to the area south of the primary source area of the former dispenser island and adjacent to the former USTs. TPHg and benzene concentrations in groundwater have been below laboratory detection limits cross- and down-gradient in C-6 and C-7. Vapor sampling in 2004 confirmed shallow soil in the vicinity of the primary source area dispenser island only slightly exceeds the ESL for residential shallow soil vapor value for indoor air, but is below the commercial shallow soil vapor value for indoor air. The extent of hydrocarbons has been defined to the degree necessary to determine the site poses no threat to human health, the environment, or other sensitive receptors.

The Dissolved Hydrocarbon Plume Is Not Migrating

Hydrocarbon concentrations in groundwater are limited to on-site well C-8. Off-site wells C-6 and C-7 have been mainly below the laboratory detection limit since monitoring and sampling began in those wells in 1990. The decreasing hydrocarbon concentrations in groundwater on-site indicates, in addition to removal of the source area and soil vapor extraction, natural attenuation



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is likely to further remediate the site hydrocarbons at a rate which exceeds the rate of hydrocarbon loading to groundwater and the hydrocarbon plume is stable. Therefore, the hydrocarbon plume is not migrating. Natural attenuation is expected to continue to decrease the plume.

No Water Wells, Deeper Drinking Water Aquifers, Surface Water, or Other Sensitive Receptors are Likely to be Impacted

Site use is commercial and is paved over with asphalt and concrete. No buildings are located over the plume area. The nearest commercial building is approximately 120 feet northwest of the primary source area. A review of Department of Water Resources' well logs was conducted and the nearest down-gradient water well was destroyed (Attachment D). The nearest surface water body is San Lorenzo Creek, approximately 700 feet south of the site. San Lorenzo Creek is not at risk because the hydrocarbon plume is limited to the site and is not migrating. Although the San Francisco Bay Basin plan³ indicates groundwater in the Castro Valley Basin is designated for potential use, Bulletin 118 from the Department of Water Resources indicates the groundwater in this basin should not be considered a potential source of drinking water.

The only potential receptor is construction and trench workers. The potential exposure pathways are ambient air, soil and groundwater in potential future excavation. However, this site is a parking lot for an active grocery chain and is expected to remain commercial for the foreseeable future.

The Site Presents No Significant Risk to Human Health or the Environment

To assess the potential health risks to occupants of the site and adjacent properties, Cambria collected soil vapor samples in areas with previously reported elevated hydrocarbon concentrations. The soil vapor concentrations were then compared with environmental screening levels (ESLs) for residential and commercial shallow soil gas for indoor air (Table 2). No significant hydrocarbon concentrations were reported in SV-1 and SV-4 in the vicinity of the former UST pit, except non-target species of 2-proponal in SV-1. SV-3 reported no significant hydrocarbons in vapor near the southern former dispenser island. SV-3 reported benzene slightly above the ESL for shallow soil gas for residential indoor air. However, the site is a parking lot, and will likely remain so for the foreseeable future, and the benzene concentration is below the ESL for commercial shallow soil gas for indoor air ($280 \mu\text{g}/\text{m}^3$).

³ SFBRWQCB Water Quality Control Plan San Francisco Bay Basin (Region 2), dated June 21, 1995.

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CONCLUSIONS AND RECOMMENDATIONS

Cambria concludes the current on-site and off-site conditions do not pose a significant risk to existing commercial occupants at the site or surrounding commercial and residential sites. Ongoing natural attenuation will continue to decrease any potential health risk to human receptors. Because the plume is limited in size and does not extend significantly off-site, there is no risk to surface water or other ecological receptors. In the event the site is redeveloped in the future, groundwater sampling beneath and south of the former dispenser island would indicate whether the site posed a risk to development and, if so, a new environmental case could be opened at that time. This site is commercial property and is expected to remain so for the foreseeable future. Based on these considerations, we believe the site satisfies the SFBRWQCB criteria for a low-risk fuel site. Therefore, we request case closure for the site and no further action.



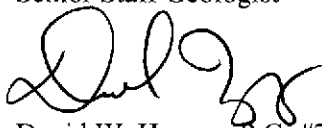
CLOSING

We appreciate your assistance with this project. Please call Sara Giorgi (ext. 103) or David Herzog (ext. 112) at 916-630-1855 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.



Sara Giorgi
Senior Staff Geologist



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

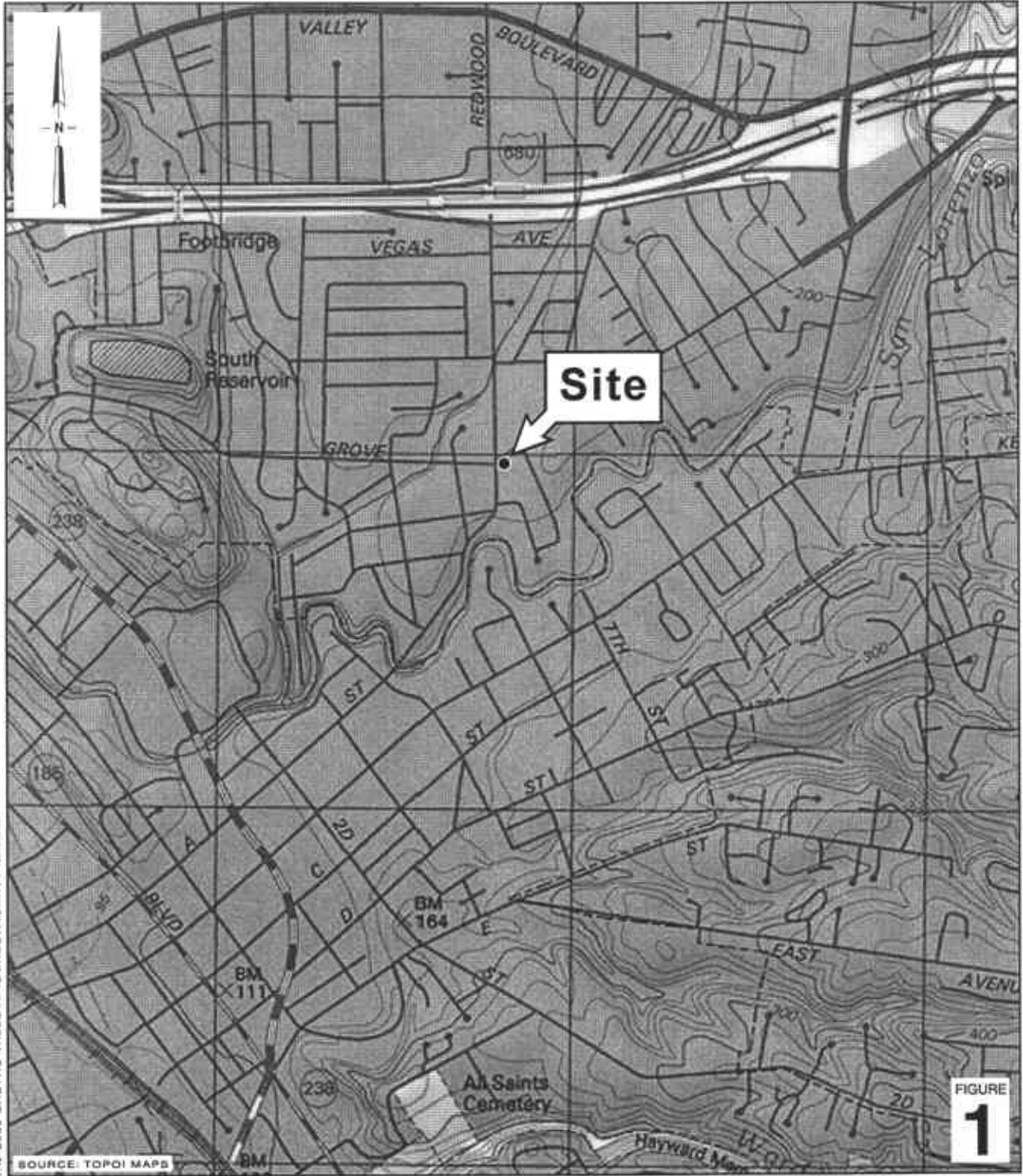


Figures: 1 – Vicinity Map
 2 – Site Plan

Tables: 1 – Historical Soil Sample Results
 2 – Shallow Soil Vapor Sample Results
 3 – Grab-Groundwater Sample Results

Attachments: A – Second Quarter 2005 Groundwater Monitoring and Sampling Report with
 Trend Graphs for C-8
 B – Hydrocarbon Degradation Calculations, C-8
 C – Receptor Survey

cc: Mr. Dana Thurman, Chevron Environmental Management Company, P.O. Box
 6012, K2236, San Ramon, CA 94583



1:9-2860 CASTRO VALLEY FIGURE VICINITY MAP AT

SOURCE: TOPOI MAPS

FIGURE
1

0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

Former Chevron Station 9-2960
2416 Grove Way
Castro Valley, California



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Vicinity Map

EXPLANATION

- SV-1 ● Vapor boring location
- MW-1 ◆ Monitoring well location
- B-1 ● Soil boring location
- SB-1 ● Soil boring location (2004)
- C-2 ✕ Abandoned well location

WELL	Well designation
DEPTH	Sample depth
TPHg	Benzene and TPHg concentrations are in milligrams per kilogram (mg/kg)
BENZ	

Soil sample locations without noted concentrations are non-detect for TPHg or benzene

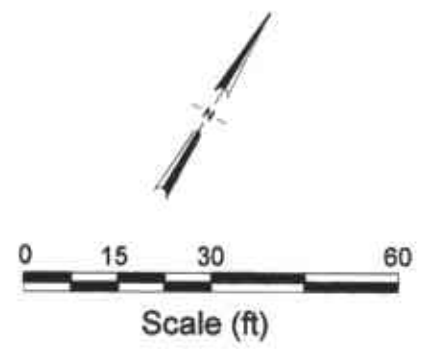
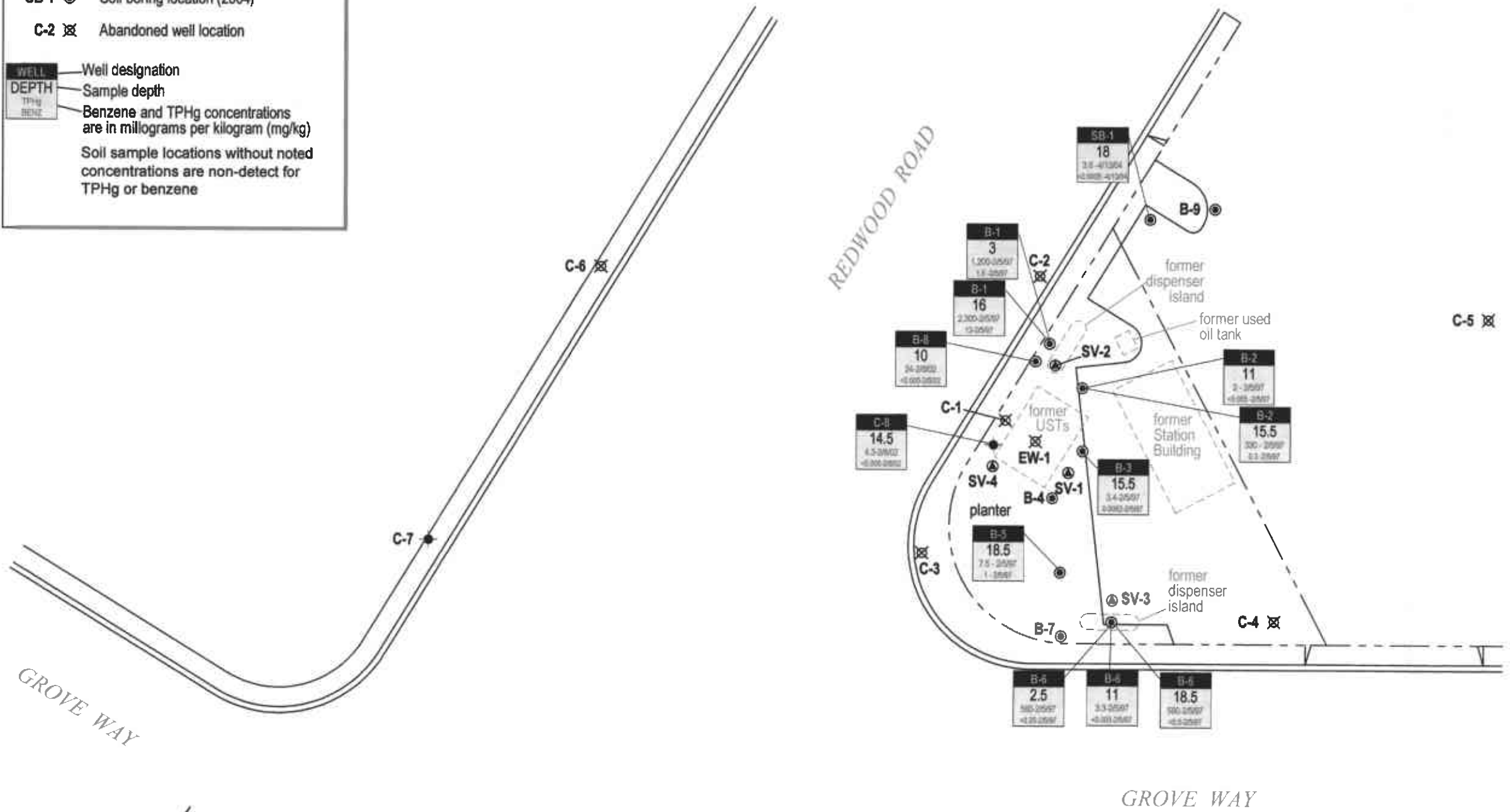


FIGURE 2

E:\062305\05-2000 CASTRO VALLEY\FIGURES\9-2960 SITEPLAN.DWG



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Table 1
Historical Soil Sample Results

Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (fbg)	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Concentrations reported in milligrams per kilogram (mg/kg) = parts per million								
C-5	9.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
C-6	15	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
	20.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
C-7	14.5	8/27/1990	<1	<0.05	<0.05	<0.05	<0.05	--
B1	3	2/5/1997	1,200	1.5	<0.5	4.1	18	--
	5.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	16	2/5/1997	2,300	13	64	32	160	--
B2	6	2/5/1997	<1	<0.005	0.011	<0.005	0.015	--
	11	2/5/1997	2	<0.005	<0.005	0.0055	0.018	--
	15.5	2/5/1997	330	0.3	0.63	0.81	1.6	--
B3	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	<1	<0.005	<0.005	<0.005	0.01	--
	15.5	2/5/1997	3.4	0.0062	0.0078	<0.005	0.075	--
B4	4.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	10.5	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	15.5	2/5/1997	<1	<0.005	<0.005	<0.005	0.0052	--
B5	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	10	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	16	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	18.5	2/5/1997	7.5	1	0.87	0.2	0.63	--
B6	2.5	2/5/1997	560	<0.25	0.47	2.7	8.3	--
	6	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--
	11	2/5/1997	3.3	<0.005	<0.005	0.0082	0.06	--
	16	2/5/1997	<1	<0.005	<0.005	<0.005	<0.005	--

Table 1
Historical Soil Sample Results

Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Depth (fbg)	Sample Date	TPHg	Benzene	Toluenc	Ethylbenzene	Xylenes	MTBE
Concentrations reported in milligrams per kilogram (mg/kg) = parts per million								
	18.5	2/5/1997	580	<0.5	0.83	5.1	32	--
B7	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	15	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
B8	6	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	24	<0.005	<0.005	<0.005	66	<0.05
B9	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	15	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
C-8	6.5	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	10	2/8/2002	<1	<0.005	<0.005	<0.005	<0.015	<0.05
	14.5	2/8/2002	4.3	<0.005	<0.005	<0.005	<0.015	<0.05
SB-1	10	4/13/2004	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005*
	18	4/13/2004	3.6	<0.0005	<0.001	<0.001	<0.001	<0.0005*
	22	4/13/2004	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005*

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by N. CA LUFT Gasoline Method

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

Methyl tertiary butyl ether (MTBE) by EPA Method 8021B

*MTBE by EPA Method 8260B

fbg = feet below grade

<x = Not detected above method detection limit

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Table 2
Shallow Soil Vapor Sample Results

Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes
		Concentrations reported in micrograms per cubic meter = $\mu\text{g}/\text{m}^3$			
SV-1	5/18/2004	<1,100*	<1,200*	<1,400*	<1,400*
SV-2	5/18/2004	100	16	5.1	<3.6
SV-3	5/18/2004	9.7	3.6	<3.6	6.3
SV-4	5/18/2004	<2.3	4.9	<3.2	9
ESL	Residential	84	83,000	2,200	21,000
ESL	Commercial	280	230,000	7,400	58,000

Abbreviations/Notes:

Benzene, toluene, ethylbenzene and xylenes (BTEX) by Modified EPA Method TO-14A

<x = Not detected above laboratory detection limit

* indicates laboratory detection limit raised due to presence of non-target species, 2-propanol

Bold value indicates concentration exceeding residential ESL for shallow soil gas

ESL= Environmental Screening Level from SFBRWQCB, Screening for Environmental Concerns at Sites with

Contaminated Soil and Groundwater, dated July 2003. ESL values from Table E-2.

Shallow soil gas screening levels for evaluation of potential indoor-air impacts (volatile chemicals only), using the lowest residential and carcinogenic effects for residential exposure value and the lowest commercial/industrial land use value.

Table 3
Historical Grab-Groundwater Sample Results
 Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, CA

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	ETBE	DIPE	TAME
Concentrations reported in micrograms per liter - µg/L = parts per billion											
B7	2/8/2002	260	0.73	0.71	<2	3.9	<2.5/<0.5 *	<5	<0.5	<0.5	<0.5
B8	2/8/2002	8,600	25	15	390	490	<25/<0.5 *	<5	<0.5	<0.5	<0.5
B9	2/8/2002	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 *	<5	<0.5	<0.5	<0.5
C-8	3/26/2002	11,000	380	130	120	530	<25/<2 *	<100	<2	<2	<2
SB-1	4/13/2004	180	0.5	<0.5	0.9	<0.5	<0.5	--	--	--	--

Abbreviations/Notes:

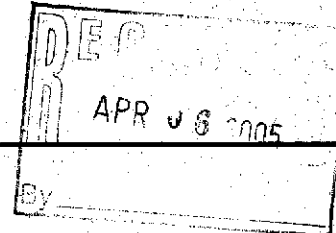
Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
 Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
 *Methyl tertiary butyl ether (MTBE) by EPA Method 8021/8260B
 MTBE by EPA Method 8260B
 Tert-butyl ether (TBA) by EPA Method 8260B
 Ethyl tert-butyl ether (ETBE) by EPA method 8260B
 Di-isopropyl ether (DIPE) by EPA Method 8260B
 Tert-amyl mether ether (TAME) by EPA Method 8260B
 <x.x = Not detected above method detection limit

ATTACHMENT A

**Second Quarter 2005 Monitoring and Sampling Results
With Trend Graphs for C-8**



GETTLER-RYAN INC.



TRANSMITTAL

April 5, 2005
G-R #386365

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

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

RE: **Former Chevron Service Station
#9-2960
2416 Grove Way
Castro Valley, California
MTI: 61D-1964
RO 0000275**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	April 5, 2005	Groundwater Monitoring and Sampling Report First Quarter - Event of March 4, 2005

COMMENTS:

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

Mr. Dana Thurman, ChevronTexaco Company, P.O. Box 6012, Room K2236, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *April 21, 2005*, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Phil Conley, President Board of Trustees, First Presbyterian Church, 2490 Grove Way, Castro Valley, CA 94546

Enclosures

trans/9-2960-DT



GETTLER-RYAN INC.

April 5, 2005
G-R Job #386365

Mr. Dana Thurman
ChevronTexaco Company
P.O. Box 6012, Room K2236
San Ramon, CA 94583

RE: First Quarter Event of March 4, 2005
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

Dear Mr. Thurman:

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

The static groundwater level was measured and the well was checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Groundwater Elevation Map is included as Figure 1.

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

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

Sincerely,

Deanna L. Harding
Project Coordinator

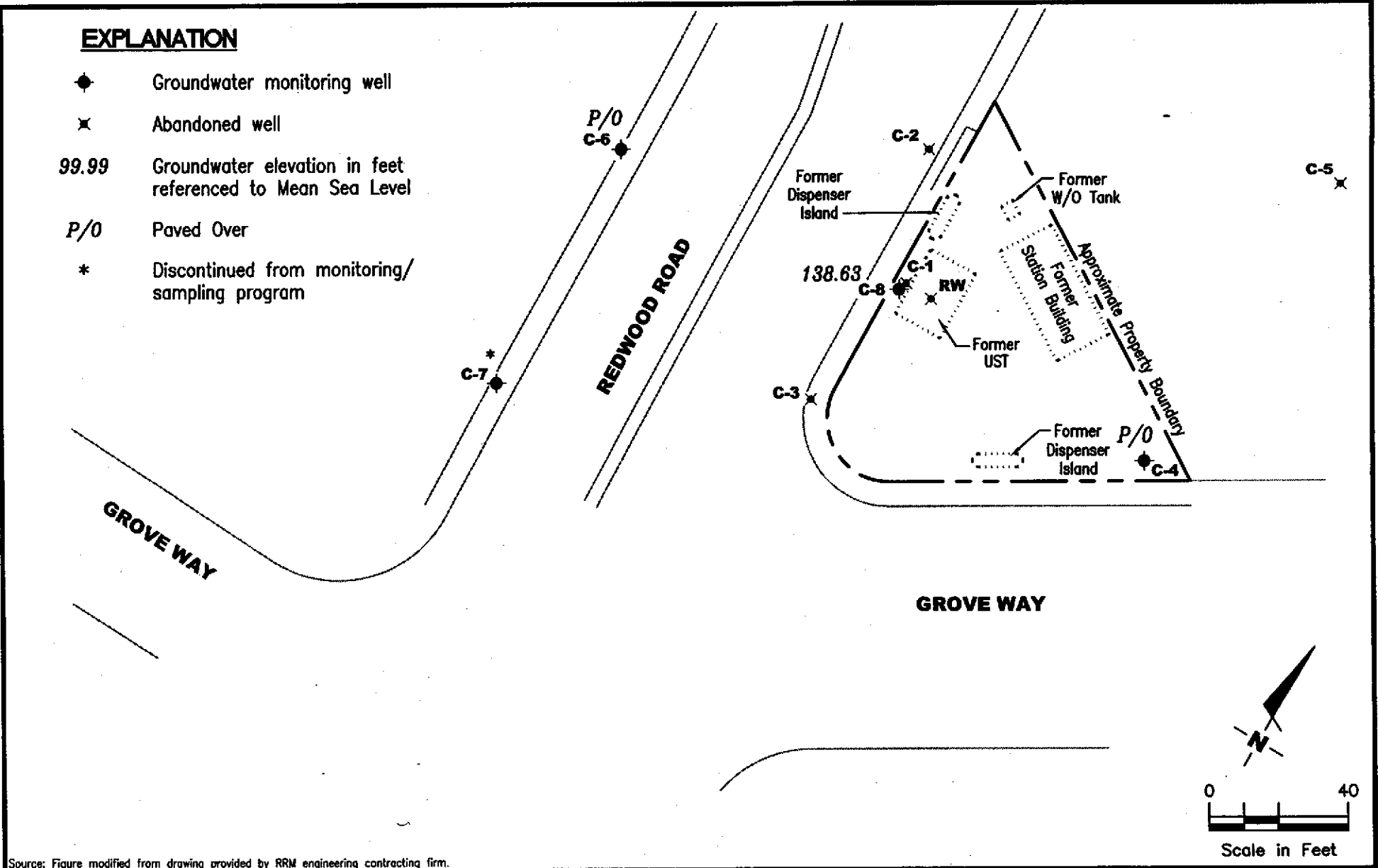
Hagop Kevork
P.E. No. C55734



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

EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Abandoned well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- P/O Paved Over
- * Discontinued from monitoring/sampling program



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

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

GROUNDWATER ELEVATION MAP
 Former Chevron Service Station #9-2960
 2416 Grove Way
 Castro Valley, California

FIGURE
1

PROJECT NUMBER 386365	REVIEWED BY	DATE March 4, 2005	REVISED DATE
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Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1											
10/23/86	153.36	--	--	--	--	3,100	6,400	3,700	--	4,300	--
09/10/87	153.36	--	--	--	--	120,000	25,000	60,000	13,000	56,000	--
10/03/90	153.36	134.69	18.67	--	--	--	--	--	--	--	--
10/25/90	153.36	135.22	18.71	0.71	--	--	--	--	--	--	--
01/22/91	153.36	135.22	18.70	0.70	--	--	--	--	--	--	--
02/21/91	153.36	135.44	18.62	0.88	--	--	--	--	--	--	--
04/01/91	153.36	136.47	16.91	0.03	--	--	--	--	--	--	--
04/11/91	153.36	136.49	16.90	0.04	--	--	--	--	--	--	--
07/01/91	153.36	135.75	17.61	0.00	--	--	--	--	--	--	--
09/24/91	153.36	135.17	18.98	0.99	--	--	--	--	--	--	--
10/23/91	153.36	135.03	19.32	1.24	--	--	--	--	--	--	--
11/22/91	153.36	134.53	18.83	0.97	--	--	--	--	--	--	--
01/09/92	153.36	136.10	17.26	--	--	--	--	--	--	--	--
03/06/92	153.36	137.16	16.69	0.61	--	--	--	--	--	--	--
06/04/92	153.36	136.44	17.10	0.22	--	--	--	--	--	--	--
09/28/92	153.36	--	18.71	0.77	--	--	--	--	--	--	--
12/17/92	153.36	--	17.54	0.45	--	--	--	--	--	--	--
04/29/93	153.36	137.50	16.40	0.68	--	--	--	--	--	--	--
07/26/93	153.36	136.92	16.85	0.51	--	--	--	--	--	--	--
10/22/93	153.36	135.55	17.83	0.03	--	--	--	--	--	--	--
01/24/94	153.36	--	--	--	--	--	--	--	--	--	--
04/11/94	153.36	136.01	17.76	0.51	--	--	--	--	--	--	--
07/01/94	153.36	135.95	17.46	0.06	--	--	--	--	--	--	--
10/06/94	153.36	135.24	18.18	0.08	--	--	--	--	--	--	--
01/11/95	153.36	136.63	16.79	0.08	0.039	--	--	--	--	--	--
04/07/95	153.36	139.23	14.13	--	--	44,000	410	100	130	5,400	--
07/20/95	153.36	136.84	16.52	--	--	16,000	96	81	53	1,000	--
09/22/95	153.36	137.22	16.14	--	--	59,000	150	36	16	56	--
01/02/96	153.36	137.43	15.93	--	--	29,000	4,500	1,100	520	1,900	<250
04/26/96	153.36	137.31	16.05	--	--	7,200	1,300	340	130	390	--
07/22/96	153.36	143.14	10.22	--	--	7,300	2,500	170	360	520	--
10/17/96	153.36	137.64	15.72	--	--	19,000	3,400	59	360	430	--
01/23/97	153.36	138.91	14.45	--	--	15,000	2,900	390	250	480	--
07/10/97	153.36	137.19	16.17	--	--	13,000	2,100	69	200	380	--
01/15/98	153.36	INACCESSIBLE	--	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
C-1 (cont)											
01/16/98	153.36	138.63	14.73	--	--	4,700	1,200	<20	140	40	--
07/09/98	153.36	138.14	15.22	--	--	9,900	1,500	60	150	170	--
ABANDONED											
C-2											
10/23/86	151.84	--	--	--	--	30,000	2,700	1,900	--	1,500	--
09/10/87	151.84	--	--	--	--	14,000	2,600	2,900	500	1,200	--
10/16/89	151.84	--	--	--	--	600	260	34	1.7	41	--
01/04/90	151.84	--	--	--	--	2,600	470	150	23	130	--
04/05/90	151.84	--	--	--	--	500	280	29	6.3	19	--
07/02/90	151.84	--	--	--	--	2,400	670	110	17	76	--
10/03/90	151.84	--	--	--	--	--	--	--	--	--	--
10/25/90	151.84	135.24	16.60	--	--	1,300	390	47	9.0	58	--
01/22/91	151.84	135.15	16.69	--	--	2,600	680	88	29	130	--
02/21/91	151.84	135.53	16.31	--	--	--	--	--	--	--	--
04/01/91	151.84	136.76	15.08	--	--	--	--	--	--	--	--
04/11/91	151.84	136.61	15.23	--	--	--	--	--	--	--	--
07/01/91	151.84	135.88	15.96	--	--	--	--	--	--	--	--
09/24/91	151.84	135.33	16.51	--	--	3,600	1,400	63	6.9	63	--
10/23/91	151.84	135.18	16.66	--	--	--	--	--	--	--	--
11/22/91	151.84	135.47	16.37	--	--	--	--	--	--	--	--
01/09/92	151.84	136.28	15.56	--	--	7,100	770	740	190	690	--
03/06/92	151.84	137.47	14.37	--	--	3,200	250	230	59	220	--
06/04/92	151.84	136.80	15.04	--	--	1,500	<0.5	180	42	130	--
09/28/92	151.84	135.44	16.40	--	--	6,400	940	230	57	220	--
12/17/92	151.84	136.46	15.38	--	--	1,500	370	160	6.0	25	--
04/29/93	151.84	136.87	14.97	--	--	1,800	690	120	74	140	--
07/29/93	151.84	136.92	14.92	--	--	4,300	1,500	96	29	96	--
10/22/93	151.84	136.03	15.81	--	--	820	560	57	15	58	--
01/24/94	151.84	--	--	--	--	--	--	--	--	--	--
04/11/94	151.84	136.49	15.35	--	--	2,000	240	48	36	110	--
07/01/94	151.84	136.44	15.40	--	--	370	55	12	3.1	8.6	--
10/06/94	151.84	135.84	16.00	--	--	150	47	4.8	1.8	5.4	--
01/11/95	151.84	137.06	14.78	--	--	52	0.65	<0.5	<0.5	<0.5	--
04/07/95	151.84	138.93	12.91	--	--	1,500	260	64	52	85	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 (cont)											
07/20/95	151.84	136.81	15.03	--	--	3,000	500	100	96	110	--
09/22/95	151.84	137.05	14.79	--	--	2,000	630	120	20	79	--
01/02/96	151.84	137.37	14.47	--	--	1,900	240	110	58	180	<12
04/26/96	151.84	137.97	13.87	--	--	1,300	340	190	44	120	--
07/22/96	151.84	136.73	15.11	--	--	3,700	1,100	140	150	330	--
10/17/96	151.84	136.80	15.04	--	--	22,000	3,900	1,600	350	1,800	--
01/23/97	151.84	138.86	12.98	--	--	2,000	260	48	76	94	--
07/10/97	151.84	137.21	14.63	--	--	5,100	710	200	190	380	--
01/15/98	153.36	INACCESSIBLE		--	--	--	--	--	--	--	--
01/16/98	151.84	138.61	13.23	--	--	7,600	1,600	130	320	650	--
07/09/98	151.84	138.17	13.67	--	--	10,000	1,100	410	180	410	--
ABANDONED											
C-3											
10/23/86	154.13	--	--	--	--	3,300	49	24	--	20	--
09/10/87	154.13	--	--	--	--	200	110	2.6	<2.0	<2.0	--
10/16/89	154.13	--	--	--	--	900	640	4.2	1.6	16	--
01/04/90	154.13	--	--	--	--	920	430	7.0	6.0	7.0	--
04/05/90	154.13	--	--	--	--	930	690	3.4	5.1	4.8	--
07/02/90	154.13	--	--	--	--	1,700	590	11	4.8	9.4	--
10/03/90	154.13	134.97	19.16	--	--	--	--	--	--	--	--
10/25/90	154.13	134.85	19.28	--	--	750	510	2.0	6.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	430	260	2.0	2.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	400	250	2.0	2.0	5.0	--
02/21/91	154.13	135.25	18.88	--	--	--	--	--	--	--	--
04/01/91	154.13	136.54	17.59	--	--	--	--	--	--	--	--
04/11/91	154.13	136.32	17.81	--	--	--	--	--	--	--	--
07/01/91	154.13	135.57	18.56	--	--	--	--	--	--	--	--
09/24/91	154.13	135.01	19.12	--	--	260	52	0.7	0.8	2.2	--
10/23/91	154.13	134.89	19.24	--	--	--	--	--	--	--	--
11/22/91	154.13	135.10	19.03	--	--	--	--	--	--	--	--
01/09/92	154.13	135.90	18.23	--	--	240	120	0.9	<0.5	1.6	--
03/06/92	154.13	137.09	17.04	--	--	230	68	1.2	1.2	1.3	--
06/04/92	154.13	136.34	17.79	--	--	80	36	0.6	0.5	0.7	--
09/28/92	154.13	135.13	19.00	--	--	84	49	<0.5	<0.5	1.5	--

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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
C-3 (cont)											
12/17/92	154.13	135.95	18.18	--	--	220	30	<0.5	<0.5	<0.5	--
04/29/93	154.13	135.35	18.78	--	--	380	12	0.6	<0.5	<1.5	--
07/26/93	154.13	136.41	17.72	--	--	800	38	1.1	<0.5	<1.5	--
10/22/93	154.13	135.63	18.50	--	--	200	64	0.6	<0.5	<1.5	--
01/24/94	154.13	135.62	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	154.13	136.09	18.04	--	--	100	3.6	2.1	<0.5	2.3	--
07/01/94	154.13	136.01	18.12	--	--	140	3.7	1.2	<0.5	1.0	--
10/06/94	154.13	135.50	18.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	154.13	137.01	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	154.13	138.34	15.79	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	154.13	136.37	17.76	--	--	<50	1.5	1.9	<0.5	3.5	--
09/22/95	154.13	136.58	17.55	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	154.13	136.88	17.25	--	--	<50	<0.5	<0.5	<0.5	1.1	<2.5
04/26/96	154.13	137.42	16.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	154.13	136.50	17.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	154.13	136.33	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	154.13	138.33	15.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	154.13	136.63	17.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	154.13	137.98	16.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	154.13	138.04	16.09	--	--	REGAUGE	--	--	--	--	--
07/09/98	154.13	137.57	16.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-4											
10/23/86	156.00	--	--	--	--	570	3.0	4.0	--	5.0	--
09/10/87	156.00	--	--	--	--	500	3.0	<0.5	<0.5	<0.5	--
10/16/89	156.00	--	--	--	--	<500	12	1.0	<0.5	0.8	--
01/04/90	156.00	--	--	--	--	<500	5.0	<0.5	<0.5	0.9	--
04/05/90	156.00	--	--	--	--	<50	6.6	<0.5	<0.5	0.7	--
07/02/90	156.00	--	--	--	--	71	4.1	<0.5	<0.5	<0.5	--
10/03/90	156.00	--	--	--	--	--	--	--	--	--	--
10/25/90	156.00	135.57	20.43	--	--	<50	2.0	<0.5	<0.5	<0.5	--
01/22/91	156.00	135.50	20.50	--	--	<50	3.0	<0.5	<0.5	<0.5	--
02/21/91	156.00	135.77	20.23	--	--	--	--	--	--	--	--
04/01/91	156.00	136.97	19.03	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)											
04/11/91	156.00	136.95	19.05	--	--	--	--	--	--	--	--
07/01/91	156.00	136.10	19.90	--	--	--	--	--	--	--	--
09/24/91	156.00	135.59	20.41	--	--	87	1.6	<0.5	<0.5	<0.5	--
10/23/91	156.00	135.47	20.53	--	--	--	--	--	--	--	--
11/22/91	156.00	135.65	20.35	--	--	--	--	--	--	--	--
01/09/92	156.00	136.46	19.54	--	--	51	4.3	<0.5	<0.5	<0.5	--
01/09/92	156.00	136.46	19.54	--	--	<50	4.8	<0.5	<0.5	<0.5	--
03/06/92	156.00	137.74	18.26	--	--	<50	0.8	<0.5	<0.5	<0.5	--
06/04/92	156.00	137.08	18.92	--	--	<50	<0.5	<0.5	<0.5	0.7	--
09/28/92	156.00	135.69	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	156.00	136.43	19.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	156.00	138.22	17.78	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	156.00	--	--	--	--	--	--	--	--	--	--
08/18/93	156.00	137.09	18.91	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	156.00	136.61	19.39	--	--	<50	2.9	2.1	1.1	4.3	--
01/24/94	156.00	136.58	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	156.00	136.86	19.14	--	--	<50	<0.5	0.6	<0.5	0.5	--
07/01/94	156.00	136.80	19.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	156.00	136.26	19.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	156.00	139.70	16.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	156.00	139.49	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	156.00	137.20	18.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	156.00	137.26	18.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	156.00	137.65	18.35	--	--	<50	1.6	1.8	0.95	4.1	<2.5
04/26/96	156.00	138.43	17.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	156.00	137.00	19.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	156.00	136.96	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	156.00	139.31	16.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	156.00	137.46	18.54	--	--	SAMPLED ANNUALLY		--	--	--	--
01/15/98	156.00	143.92	12.08	--	--	<50	1.0	1.4	<0.5	3.5	--
01/16/98	156.00	138.84	17.16	--	--	REGAUGE		--	--	--	--
07/09/98	156.00	138.29	17.71	--	--	--	--	--	--	--	--
01/08/99	156.00	139.19	16.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
02/01/00	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (fl.)	GWE (msl)	DTW (fl.)	SPHT (fl.)	SPH						
					REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)											
08/21/00	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
01/25/01	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
07/10/01	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
01/08/02	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
03/26/02	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
06/17/02	156.00	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
PAVED OVER											
C-5											
10/03/90	153.38	135.60	17.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/09/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	153.38	135.58	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	153.38	135.87	17.51	--	--	--	--	--	--	--	--
04/01/91	153.38	137.07	16.31	--	--	--	--	--	--	--	--
04/11/91	153.38	137.02	16.36	--	--	--	--	--	--	--	--
07/01/91	153.38	136.26	17.12	--	--	--	--	--	--	--	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	153.38	135.56	17.82	--	--	--	--	--	--	--	--
11/22/91	153.38	135.77	17.61	--	--	--	--	--	--	--	--
01/09/92	153.38	136.34	17.04	--	--	<50	<0.5	0.7	<0.5	<0.5	--
03/06/92	153.38	137.62	15.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	153.38	136.98	16.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	153.38	135.80	17.58	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	153.38	136.56	16.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	153.38	138.14	15.24	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	153.38	137.08	16.30	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	153.38	136.30	17.08	--	--	52	2.3	2.7	1.1	5.2	--
01/24/94	153.38	136.25	17.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	153.38	136.75	16.63	--	--	<50	<0.5	0.7	<0.5	0.6	--
07/01/94	153.38	136.73	16.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	153.38	136.16	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	153.38	137.41	15.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	153.38	139.37	14.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5 (cont)											
07/20/95	153.38	137.17	16.21	--	--	<50	<0.5	<0.5	<0.5	0.61	--
09/22/95	153.38	137.07	16.31	--	--	62	<0.5	<0.5	<0.5	<0.5	--
01/02/96	153.38	137.56	15.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	153.38	138.41	14.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	153.38	137.06	16.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	153.38	136.88	16.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	153.38	139.18	14.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-6											
10/03/90	152.84	134.70	18.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	152.84	134.55	18.29	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	152.84	134.58	18.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	152.84	134.69	18.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	152.84	134.92	17.92	--	--	--	--	--	--	--	--
04/01/91	152.84	135.73	17.11	--	--	--	--	--	--	--	--
04/11/91	152.84	135.83	17.01	--	--	--	--	--	--	--	--
07/01/91	152.84	135.12	17.72	--	--	--	--	--	--	--	--
09/24/91	152.84	135.72	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	152.84	134.59	18.25	--	--	--	--	--	--	--	--
11/22/91	152.84	134.79	18.05	--	--	--	--	--	--	--	--
01/09/92	152.84	135.42	17.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/06/92	152.84	136.33	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	152.84	135.83	17.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	152.84	134.84	18.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	152.84	135.58	17.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	152.84	136.61	16.23	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/29/93	152.84	135.88	16.96	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	152.84	135.38	17.46	--	--	74	7.4	6.1	3.3	9.7	--
01/24/94	152.84	135.38	17.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	152.84	135.64	17.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	152.84	135.66	17.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	152.84	135.19	17.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	152.84	136.18	16.66	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	152.84	137.25	15.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msf)	DTW (ft.)	SPHT (ft.)	SPH						
					REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-6 (cont)											
07/20/95	152.84	135.80	17.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	152.84	135.74	17.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	152.84	136.08	16.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	152.84	135.79	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	152.84	135.62	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	152.84	136.99	15.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	152.84	135.95	16.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	152.84	136.74	16.10	--	--	REGAUGE	--	--	--	--	--
07/09/98	152.84	136.71	16.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	152.84	137.57	15.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	152.84	136.60	16.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/01/00	152.84	136.57	16.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/25/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
07/10/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/08/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
03/26/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
06/17/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
PAVED OVER											
C-7											
10/03/90	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	155.34	134.43	20.91	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	155.34	134.40	20.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	155.34	133.84	21.50	--	--	<50	4.0	<0.5	<0.5	<0.5	--
02/21/91	155.34	134.63	20.71	--	--	--	--	--	--	--	--
04/01/91	155.34	135.34	20.00	--	--	--	--	--	--	--	--
04/11/91	155.34	135.29	20.05	--	--	--	--	--	--	--	--
07/01/91	155.34	134.82	20.52	--	--	--	--	--	--	--	--
09/24/91	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	155.34	134.43	20.91	--	--	--	--	--	--	--	--
11/22/91	155.34	134.55	20.79	--	--	--	--	--	--	--	--
01/09/92	155.34	135.18	20.16	--	--	<50	<0.5	<0.5	<0.5	0.9	--

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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (fl.)	GWE (msf)	DTW (fl.)	SPHT (fl.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-8											
03/26/02 ²	153.41	137.96	15.45	0.00	0.00	11,000	380	130	120	530	<25/<2 ¹
06/17/02	153.41	137.03	16.38	0.00	0.00	11,000	490	65	170	470	<20/<2 ¹
09/17/02	153.41	136.71	16.70	0.00	0.00	6,800	410	12	70	130	46/<2 ¹
12/02/02	153.41	136.61	16.80	0.00	0.00	7,200	440	14	75	140	<20/<2 ¹
03/03/03	153.41	137.61	15.80	0.00	0.00	7,000	330	16	62	110	<10/<0.5 ¹
06/16/03 ³	153.41	137.52	15.89	0.00	0.00	7,400	400	17	71	120	<0.5
09/15/03 ⁴	153.41	136.87	16.54	0.00	0.00	2,500	200	5	56	16	<0.5
12/15/03 ⁴	153.41	137.07	16.34	0.00	0.00	5,900	320	18	51	140	<0.5
03/01/04 ⁴	153.41	138.55	14.86	0.00	0.00	7,800	250	14	61	55	<0.5
06/28/04 ⁴	153.41	137.05	16.36	0.00	0.00	5,700	280	11	46	53	<0.5
09/13/04 ⁴	153.41	136.39	17.02	0.00	0.00	2,200	180	5	33	8	<0.5
12/22/04 ⁴	153.41	137.29	16.12	0.00	0.00	1,700	170	4	15	5	<0.5
03/04/05 ⁴	153.41	138.63	14.78	0.00	0.00	5,400	180	8	43	30	<0.5
TRIP BLANK											
10/03/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/09/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/24/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/09/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/06/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/24/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-7 (cont)											
03/06/92	155.34	135.92	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	155.34	135.53	19.81	--	--	250	<0.5	<0.5	<0.5	<0.5	--
09/28/92	155.34	134.69	20.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	155.34	135.32	20.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	155.34	136.19	19.15	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	155.34	135.57	19.77	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	155.34	135.17	20.17	--	--	--	--	--	--	--	--
01/24/94	155.34	135.11	20.23	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	155.34	135.39	19.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	155.34	135.42	19.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	155.34	135.03	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	155.34	135.98	19.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	155.34	136.84	18.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	155.34	135.46	19.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	155.34	135.38	19.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	155.34	135.64	19.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	155.34	136.17	19.17	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	155.34	135.49	19.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	155.34	135.34	20.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	155.34	136.44	18.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	155.34	135.58	19.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	155.34	136.14	19.20	--	--	REGAUGE	--	--	--	--	--
07/09/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	155.34	136.83	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	155.34	136.16	19.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/01/00	155.34	136.21	19.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	155.34	136.16	19.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	155.34	136.09	19.25	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	155.34	136.17	19.17	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ¹
01/08/02	155.34	136.31	19.03	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	155.08	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED											

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2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X -(ppb)	MTBE (ppb)
TRIP BLANK (cont)											
07/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/26/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA											
01/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/02/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/03/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/16/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/15/03 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/15/03 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/22/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 21, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbons Thickness

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on Alameda County Benchmark No. 259, brass disc top of concrete guard rail & retaining wall abutment along east side "A" Street and on CL + N. 5th Street extended, (Elevation = 138.79 feet).

¹ MTBE by EPA Method 8260.

² Well development performed.

³ TPH-G, BTEX and MTBE by EPA Method 8260.

⁴ BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
C-7	07/10/01	<20	<2.0	<2.0	<2.0	<2.0
C-8	03/26/02	<100	<2	<2	<2	<2
	06/17/02	<100	<2	<2	<2	<2
	09/17/02	<100	<2	<2	<2	<2
	12/02/02	<100	<2	<2	<2	<2
	03/03/03	<5	<0.5	<0.5	<0.5	<0.5
	06/16/03	<5	<0.5	<0.5	<0.5	<0.5
	09/15/03	5	<0.5	<0.5	<0.5	<0.5
	12/15/03	<5	<0.5	<0.5	<0.5	<0.5
	03/01/04	<5	<0.5	<0.5	<0.5	<0.5
	06/28/04	<5	<0.5	<0.5	<0.5	<0.5
	09/13/04	<5	<0.5	<0.5	<0.5	<0.5
	12/22/04	<5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<5	<0.5	<0.5	<0.5	<0.5

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-2960
 Site Address: 2416 Grove Way
 City: Castro Valley, CA

Job Number: 386365
 Event Date: 3/4/05 (inclusive)
 Sampler: Jim Herron

Well ID: C-8
 Well Diameter: 2 in.
 Total Depth: 24.40 ft.
 Depth to Water: 14.78 ft.
9.62 xVF .17 = 1.64

Date Monitored: 3/4/05 Well Condition: OK

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

x3 case volume= Estimated Purge Volume: 4.93 gal.

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (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
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1340 Weather Conditions: Cloudy
 Sample Time/Date: 1400 3/4/05 Water Color: Clear Odor: NU
 Purging Flow Rate: — gpm. Sediment Description: 10/100
 Did well de-water? NU If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1343</u>	<u>1.5</u>	<u>7.14</u>	<u>1255</u>	<u>18.2</u>	_____	_____
<u>1347</u>	<u>3.0</u>	<u>6.96</u>	<u>1307</u>	<u>18.1</u>	_____	_____
<u>1351</u>	<u>4.5</u>	<u>6.82</u>	<u>1319</u>	<u>18.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ 5 OXYS(8260)

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request / Chain of Custody

Group # 939380



030705-07
Cambria MTI Project #: 61D-1964

For Lancaster Laboratories use only
Accl. #: 10904 Sample #: 4476843-49 SCR#:

Facility #: SS#9-2960 G-R#386365 Global ID#T0600100318 Site Address: 2416 GROVE WAY, CASTRO VALLEY, CA Chevron PMTI 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: _____ Service Order #: _____ <input type="checkbox"/> Non SAR: _____				Matrix <input type="checkbox"/> Potable <input type="checkbox"/> Water <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil		Analyses Requested Preservation Codes Total Number of Containers 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DRO 8260 full scan Oxygenates (5 oxy) <input checked="" type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>						Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits	
Sample Identification Date Collected: 3/4/05 Time Collected: 1400 Grab: <input checked="" type="checkbox"/> Composite: <input type="checkbox"/>			Soil: <input type="checkbox"/> Water: <input checked="" type="checkbox"/> Air: <input type="checkbox"/>			Total Number of Containers: 2 8260: <input checked="" type="checkbox"/> 8021: <input checked="" type="checkbox"/> TPH 8015 MOD GRO: <input checked="" type="checkbox"/> TPH 8015 MOD DRO: <input type="checkbox"/> 8260 full scan: <input type="checkbox"/> Oxygenates (5 oxy): <input checked="" type="checkbox"/> Lead 7420: <input type="checkbox"/> Lead 7421: <input type="checkbox"/>			Comments / Remarks				
Turnaround Time Requested (TAT) (please circle) STD TAT 24 hour 72 hour 48 hour 4 day 5 day			Relinquished by: [Signature] Date: 3/1/05 Time: 1500 Relinquished by: [Signature] Date: 3/7/05 Time: 1105 Relinquished by: [Signature] Date: 3/7/05 Time: 1505			Received by: [Signature] Date: 3/5/05 Time: 1105 Received by: [Signature] Date: 3/7/05 Time: 1105 Received by: [Signature] Date: 3/8/05 Time: 0910			Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coeff Deliverable not needed WIP (RWQCB) EDF/EDD Disk		Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx Other N/A Temperature Upon Receipt 1.9 °C Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		



Analysis Report

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

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria
Suite 9
4111 Citrus Avenue
Rocklin CA 95677
916-630-1855

RECEIVED

Prepared by:

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

BRITISH PETROLEUM
RECEIVED

SAMPLE GROUP

The sample group for this submittal is 934380. Samples arrived at the laboratory on Tuesday, March 08, 2005. The PO# for this group is 99011184 and the release number is MTI.

Client Description

QA-T-050304	NA	Water
C-8-W-050304	Grab	Water

Lancaster Labs Number

4476843
4476844

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

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

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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Dana M. Kauffman".

Dana M. Kauffman
Group Leader



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4476843

QA-T-050304 NA Water
Facility# 92960 Job# 386365 MTI# 61D-1964 GRD
2416 Grove-Castro Valley T0600100318 QA
Collected: 03/04/2005

Account Number: 10904

Submitted: 03/08/2005 09:10
Reported: 03/14/2005 at 23:14
Discard: 04/14/2005

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

GROQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/09/2005 13:34	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	03/10/2005 23:15	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/09/2005 13:34	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/10/2005 23:15	Dawn M Harle	n.a.

Lancaster Laboratories Sample No. WW 4476844
C-8-W-050304 Grab Water
Facility# 92960 Job# 386365 MTT# 61D-1964 GRD
2416 Grove-Castro Valley T0600100318 C-8
Collected: 03/04/2005 14:00
Account Number: 10904
Submitted: 03/08/2005 09:10
Reported: 03/14/2005 at 23:14
Discard: 04/14/2005
ChevronTexaco c/o Cambria
Suite 9
4111 Citrus Avenue
Rocklin CA 95677
GROC8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	5,400.		250.	ug/l	5
	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.						
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.		0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.		5.	ug/l	1
05401	Benzene	71-43-2	180.		0.5	ug/l	1
05407	Toluene	108-88-3	8.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	43.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	30.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/10/2005 03:36	Linda C Pape	5
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	03/11/2005 16:27	Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/10/2005 03:36	Linda C Pape	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/11/2005 16:27	Ginelle L Haines	n.a.

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria
 Reported: 03/14/05 at 11:14 PM

Group Number: 934380

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 05068A51A TPH-GRO - Waters			Sample number(s): 4476843-4476844 N.D. 50. ug/l	107	108	70-130	1	30
Batch number: Z050693AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	84		77-127		
Benzene	N.D.	0.5	ug/l	86		85-117		
Toluene	N.D.	0.5	ug/l	87		85-115		
Ethylbenzene	N.D.	0.5	ug/l	89		82-119		
Xylene (Total)	N.D.	0.5	ug/l	89		83-113		
Batch number: Z050702AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	86		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	88		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	85		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	90		57-141		
Benzene	N.D.	0.5	ug/l	89		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		83-113		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 05068A51A TPH-GRO - Waters			Sample number(s): 4476843-4476844 114 63-154						
Batch number: Z050693AA Methyl Tertiary Butyl Ether	86	87	69-134	2	30				
Benzene	92	93	83-128	1	30				
Toluene	94	94	83-127	0	30				
Ethylbenzene	96	97	82-129	1	30				
Xylene (Total)	94	95	82-130	0	30				
Batch number: Z050702AA Methyl Tertiary Butyl Ether	90	92	69-134	2	30				
di-Isopropyl ether	89	90	75-130	1	30				
Ethyl t-butyl ether	90	92	78-119	2	30				
t-Amyl methyl ether	88	89	77-117	2	30				
t-Butyl alcohol	91	64	51-147	35*	30				

*- Outside of specification

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

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria
 Reported: 03/14/05 at 11:14 PM

Group Number: 934380

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
Benzene	93	96	83-128	3	30				
Toluene	97	96	83-127	2	30				
Ethylbenzene	98	99	82-129	0	30				
Xylene (Total)	98	98	82-130	0	30				

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 05068A51A
 Trifluorotoluene-F

4476843	103
4476844	141
Blank	109
LCS	103
LCSD	106
MS	107

Limits: 70-142

 Analysis Name: BTEX+MTBE by 8260B
 Batch number: Z050693AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4476843	95	95	93	90
Blank	94	91	92	89
LCS	94	91	93	92
MS	94	95	93	93
MSD	95	96	93	94

Limits: 81-120 82-112 85-112 83-113

 Analysis Name: BTEX+5 Oxygenates by 8260B
 Batch number: Z050702AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4476844	95	91	95	96
Blank	99	90	97	91
LCS	98	95	98	99
MS	99	95	96	97
MSD	99	92	96	99

Limits: 81-120 82-112 85-112 83-113

*- Outside of specification

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

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 <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value - The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA $<$ 0.995

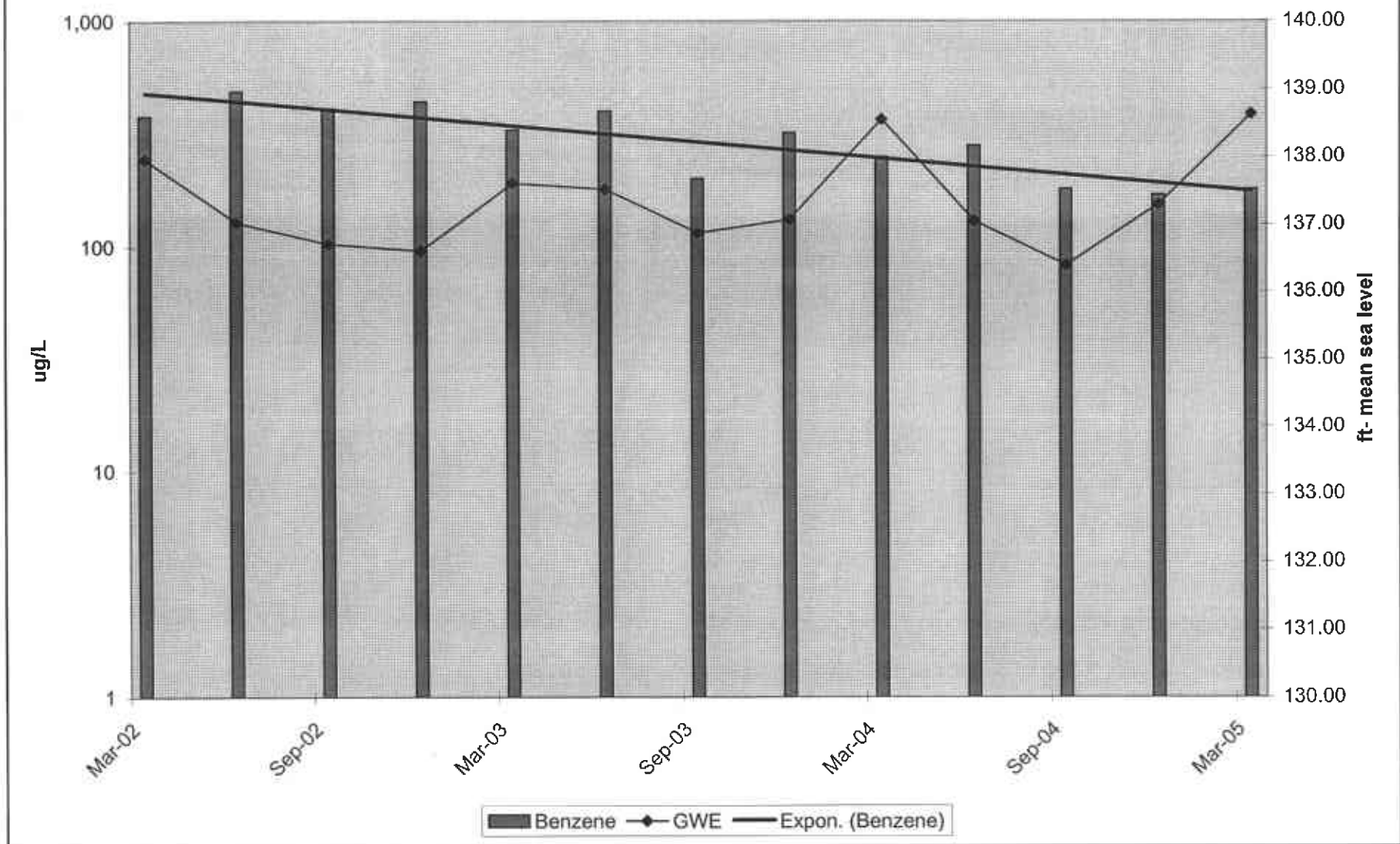
Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

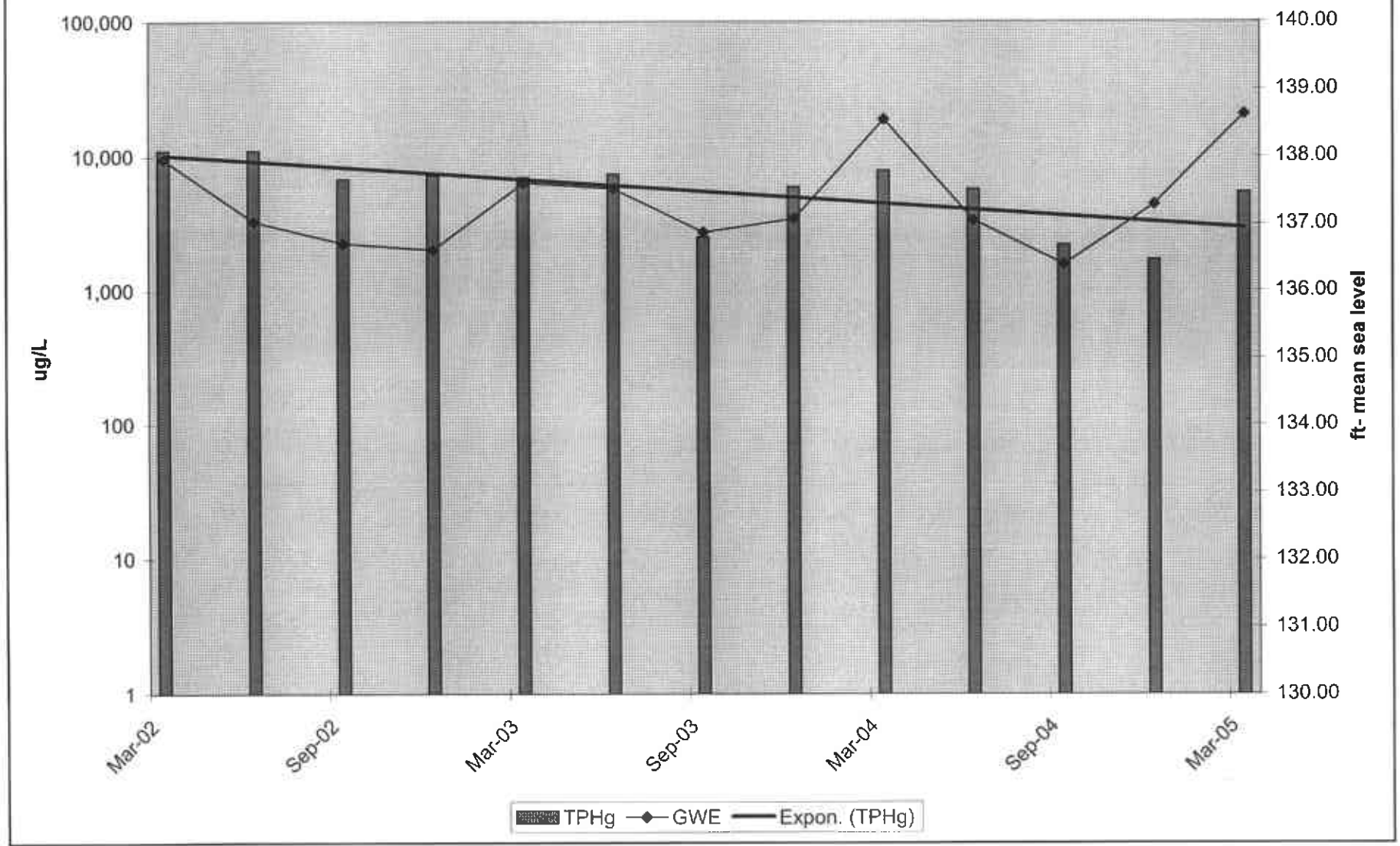
Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have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

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Benzene Concentraions C-8



TPHg Concentraions C-8



ATTACHMENT B

Hydrocarbon Degradation Calculations

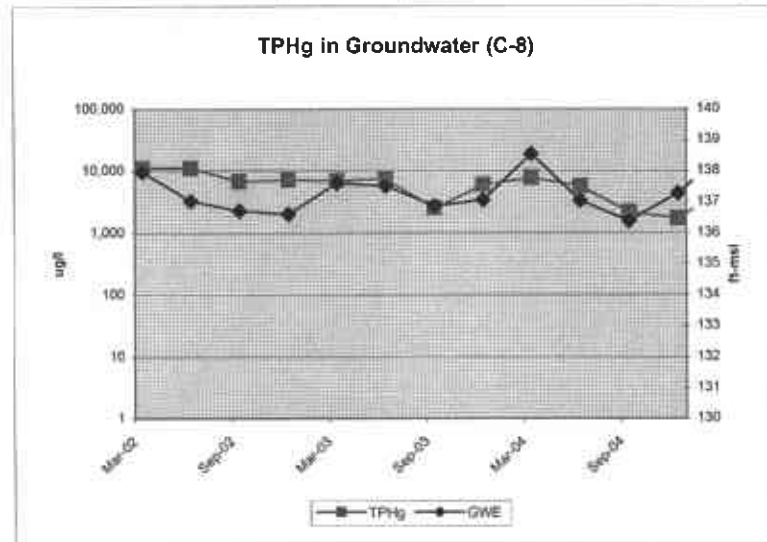
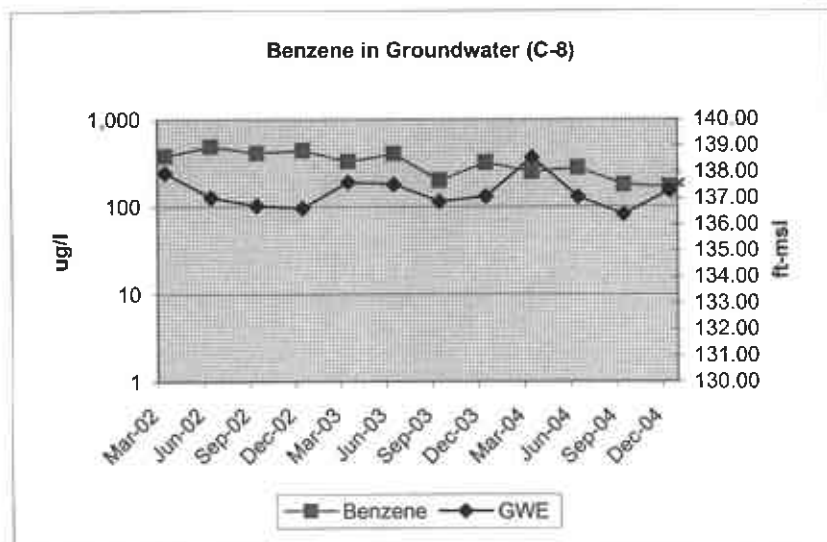
C-8

Concentration Data for Well C-8, Former Chevron 9-2960, 2416 Grove Way, Castro Valley, CA

Date	ug/L		
	GWE	TPHg	Benzene
3/26/02	137.96	11,000	380
6/17/02	137.03	11,000	490
9/17/02	136.71	6,800	410
12/2/02	136.61	7,200	440
3/3/03	137.61	7,000	330
6/16/03	137.52	7,400	400
9/15/03	136.87	2,500	200
12/15/03	137.07	5,900	320
3/1/04	138.55	7,800	250
6/28/04	137.05	5,700	280
9/13/04	136.39	2,200	180
12/22/04	137.29	1,700	170
3/4/05	138.63	5,400	180

Days Since 3/26/02	Benzene (ug/L)
0	380
83	490
175	410
251	440
342	330
447	400
538	200
629	320
706	250
825	280
902	180
1,002	170
1,074	180

Days Since 3/26/02	TPHg (ug/L)
0	11,000
83	11,000
175	6,800
251	7,200
342	7,000
447	7,400
538	2,500
629	5,900
706	7,800
825	5,700
902	2,200
1,002	1,700
1,074	5,400



Predicted Time to Cleanup of Benzene in Well C-8, Former Chevron Site 9-2960, 2416 Grove Way, Castro Valley, CA

Calculate "time to cleanup" given the first-order decay equation:

$$y = b e^{ax} \quad \Rightarrow \quad x = \ln(y/b) / a$$

Site: **Chevron Site 9-1601**
 Well: **C-8**
 Constituent: **Benzene**

$$y = 37687 e^{-0.0026x} \quad \Rightarrow \quad x = \ln(y/37687) / -0.0026$$

Concentration Trend Prediction

Date	Days from First Sample	Predicted Concentration (ug/l)
3/26/02	0	477
3/26/03	365	343
3/25/04	730	247
3/25/05	1,095	178
3/26/06	1,461	128
3/26/07	1,826	92
3/25/08	2,191	66
3/25/09	2,556	48

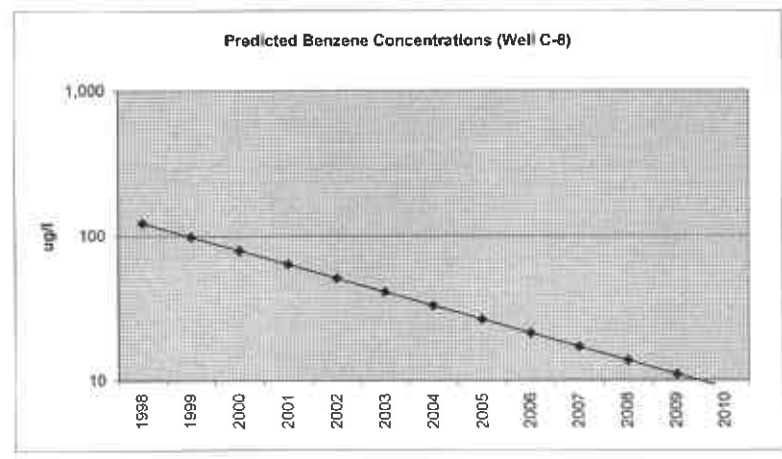
Given

Water Quality Objective:	y	46 ug/L
Constant:	b	476.84
Constant:	a	-0.0009
Date of first sample:		3/26/02

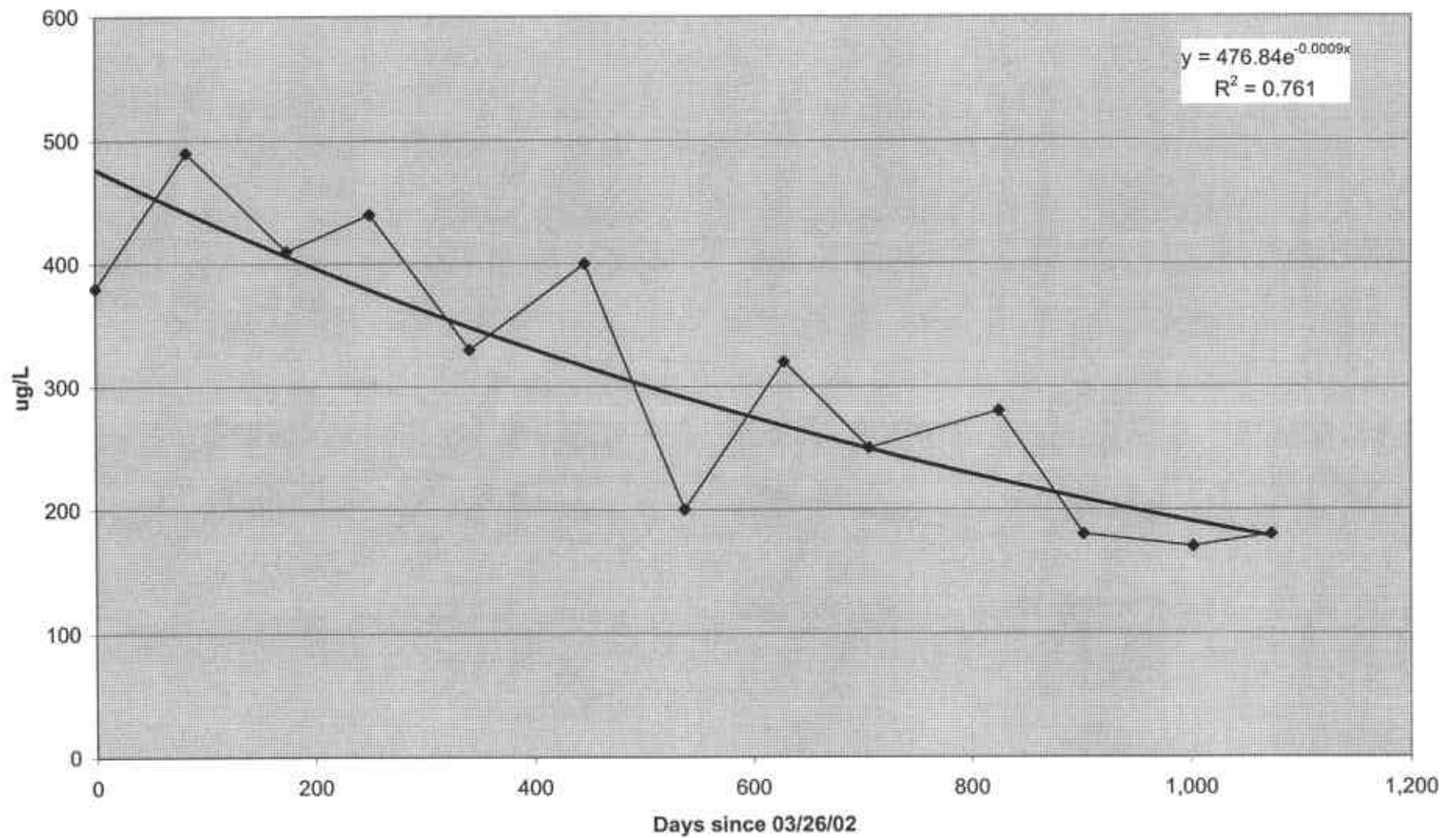
Calculate

Days from first sample:	x	2,598 Days
Years from first sample:		7.1 Years
Estimated date of cleanup:		May-2009

Calculated Half Life = $-\ln(2)/a$
770 Days



Benzene Concentrations in Groundwater (C-8)
Former Chevron 9-2960, 2416 Grove Way, Castro Valley, CA



Predicted Time to Cleanup of TPHg in Well C-8, Former Chevron Site 9-2960, 2416 Grove Way, Castro Valley, CA

Calculate "time to cleanup" given the first-order decay equation:

$$y = b e^{ax} \quad \implies \quad x = \ln(y/b) / a$$

Site: Former Chevron Site 9-2960
 Well: C-8
 Constituent: TPHg

$$y = 242876 e^{-0.0017x} \quad \implies \quad x = \ln(y/242876) / -0.0017$$

Concentration Trend Prediction

Date	Days from First Sample	Predicted Concentration (ug/l)
3/26/02	0	10,135
3/26/03	365	6,784
3/26/04	731	4,535
3/26/05	1,096	3,036
3/26/06	1,461	2,032
3/26/07	1,826	1,360
3/26/08	2,192	909
3/26/09	2,557	609
3/26/10	2,922	407

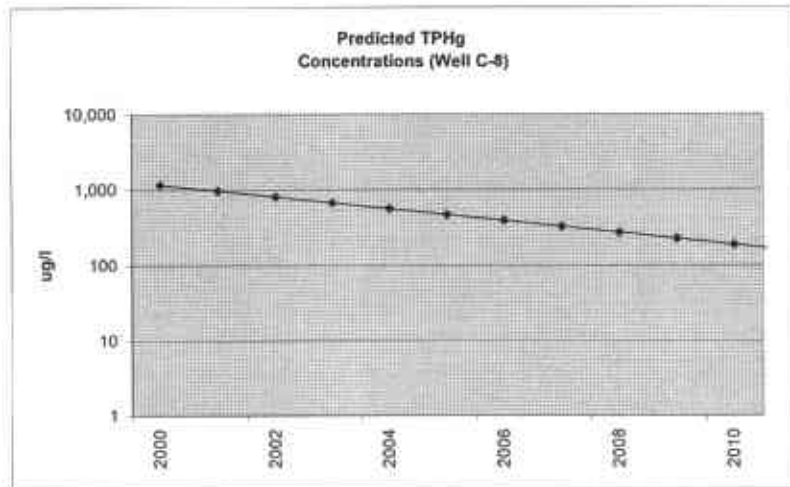
Given

Water Quality Objective: y = 500 ug/L
 Constant: b = 10135
 Constant: a = -0.0017
 Date of first sample: 3/26/02

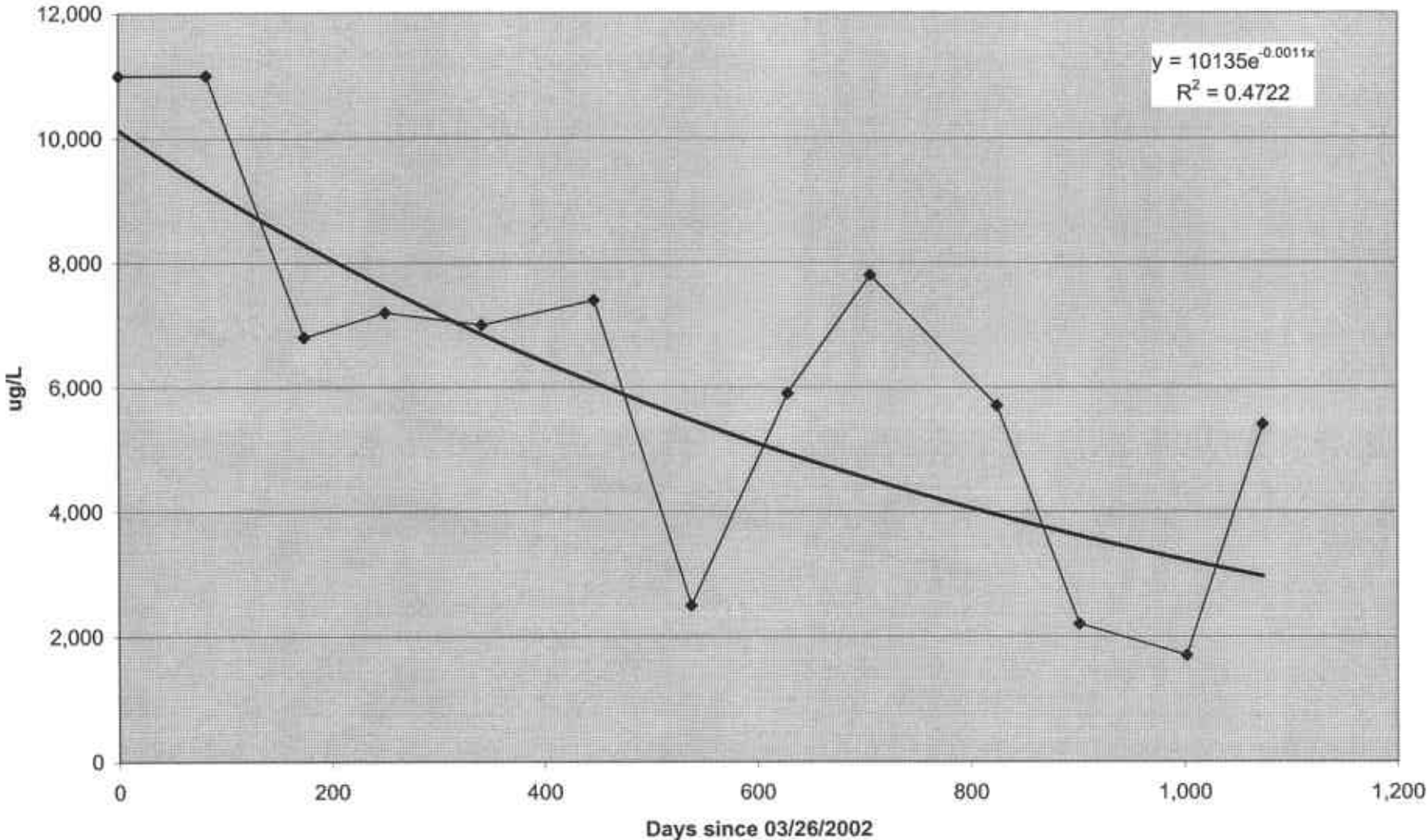
Calculate

Days from first sample: x = 2,736 Days
 Years from first sample: 7.5 Years
 Estimated date of cleanup: Sep-2009

Calculated Half Life = $-\ln(2)/a$ = 630 Days

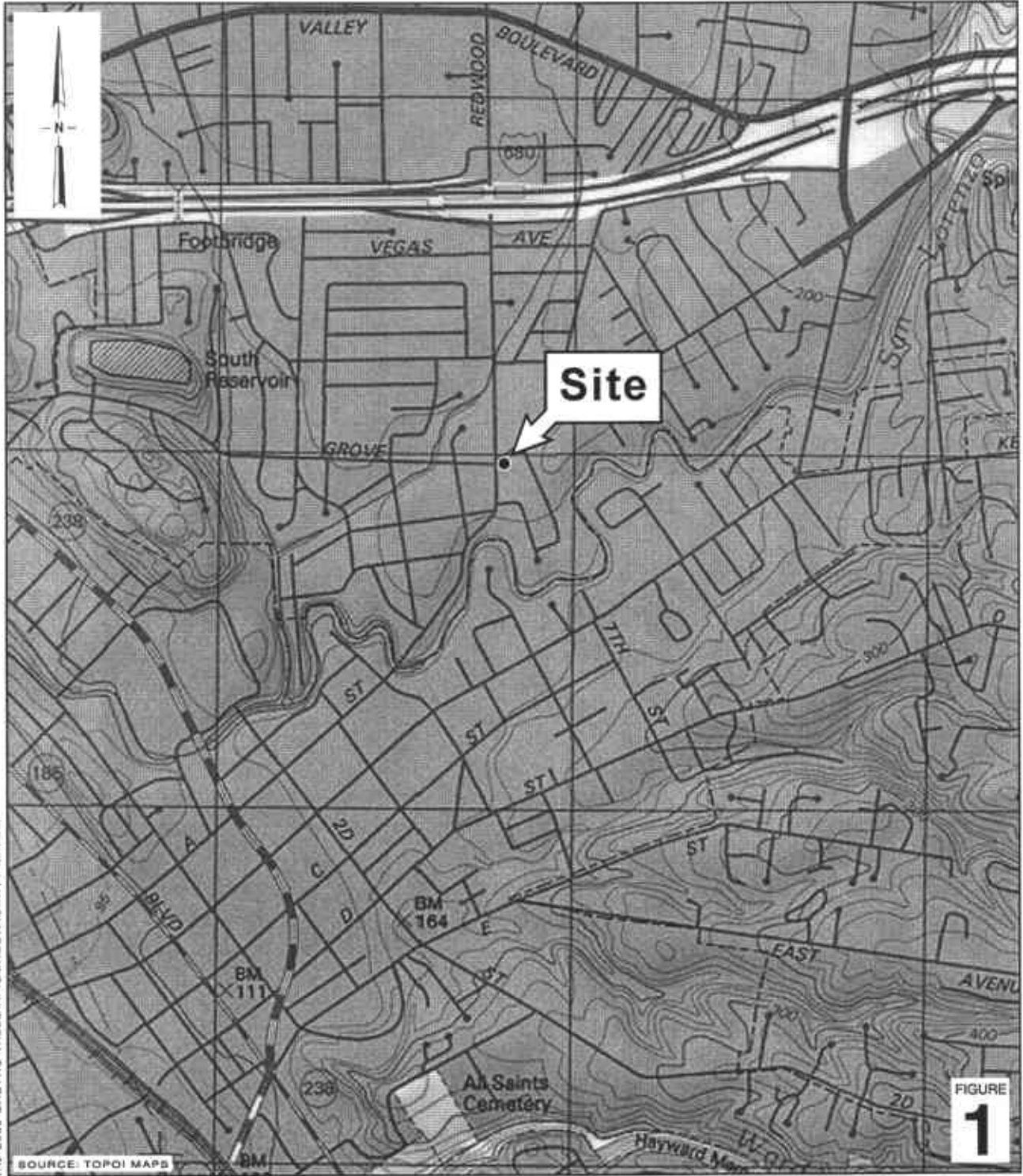


TPHg Concentrations in Groundwater (C-8)
Former Chevron 9-2960, 2416 Grove Way, Castro Valley, CA



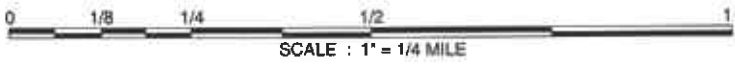
ATTACHMENT C

Receptor Survey



1:9-2860 CASTRO VALLEY FIGURE VICINITY-MAP-A1

SOURCE: TOPOI MAPS



Former Chevron Station 9-2960
 2416 Grove Way
 Castro Valley, California



C A M B R I A

Vicinity Map

CAMBRIA

Table 1. DWR Well Results - Former Chevron Station 9-2960, 2416 Grove Way, Castro Valley, California

ID #	Address/Location of Well	Well Owner	Use	Screened Interval (ft)	Total Well Depth (ft)	Date Installed
1	Tyee Ct.	Sam Wallace	Domestic	Unk.	52	7/4/1953
2	1783 Knox Street	Nancy Carter	Unknown	Unk.	Unk.	Unk.

Notes/Abbreviations:

Unk. = Unknown

ft.= feet