CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: August 31, 2012

REFERENCE NO.: 311915

PROJECT NAME: Chevron 90260

ACEH RO#383

TO: Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
9:36 am, Sep 04, 2012
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Site Conceptual Model and Work Plan for Additional Subsurface Investigation

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
Please contact Nathan Lee at (510)420-3351 with any questions or comments regarding the contents of this report.

Copy to: Ms. Catalina Espino Devine (Chevron)

Completed by: Nathan Lee [Please Print] Signed: Nathan Lee

Filing: **Correspondence File**

Catalina Espino Devine
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-3949
espino@chevron.com

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

Re: Former Chevron Service Station No. 90260
21995 Foothill Boulevard
Hayward, CA

I have reviewed the attached report dated August 31, 2012.

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 Conestoga-Rovers & Associates, 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 to the best of my knowledge.

Sincerely,

Catalina Espino Devine
Project Manager

Attachment: Report

SITE CONCEPTUAL MODEL AND WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION

Former Chevron Station 90260
21995 Foothill Boulevard
Hayward, California
ACEH Case RO #0383

Prepared For:

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

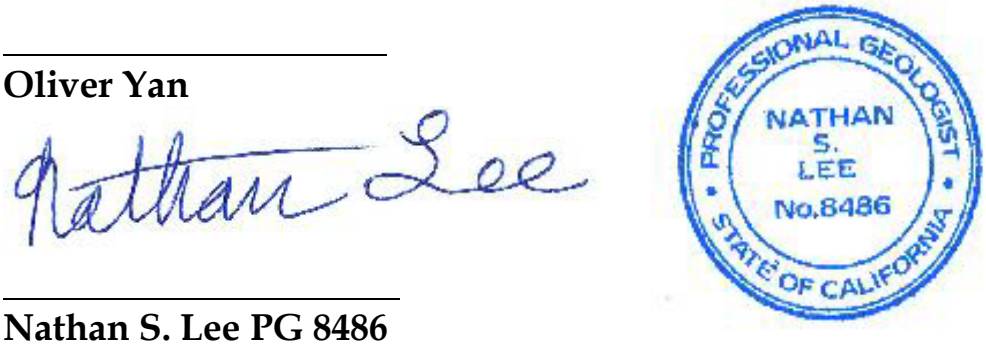
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AUGUST 31, 2012
REF. NO. 311915 (38)
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SITE CONCEPTUAL MODEL AND WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION

Former Chevron Station 90260
21995 Foothill Boulevard
Hayward, California
ACEH Case RO #0383

Oliver Yan



Nathan S. Lee PG 8486

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http:\\www.CRAworld.com

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Site Conceptual Model* (SCM) *and Work Plan for Additional Subsurface Investigation* for former Chevron Station 90260 (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). In a letter dated April 18, 2012 (Appendix A), Alameda County Environmental Health Services (ACEH) provided several technical comments regarding the site. The purpose of this SCM is to address ACEH's technical comments, and characterize current subsurface conditions using all available data, identify any potential data gaps, and recommend ways to address the identified data gaps. These topics are summarized below.

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The site is a former Chevron Service Station located at 21995 Foothill Boulevard on the western corner of the intersection of Foothill Boulevard and Rex Road in Hayward, California (Figure 1). The site was originally purchased by Chevron in 1985 from USA Petroleum Corporation. In October 1996, all station facilities, including three 10,000-gallon underground storage tanks (USTs) and product lines were removed (Figure 2). The site is currently a vacant landscaped lot and surrounding land use is residential and commercial.

2.2 PREVIOUS ENVIRONMENTAL WORK

Environmental investigation and remediation have been ongoing since 1985. Twenty groundwater monitoring wells, twenty soil vapor extraction wells, three soil vapor wells, two temporary wells, and eighteen soil borings have been advanced/installed (Figures 2 and 3). Groundwater monitoring and sampling began in 1988. A summary of environmental investigation and remediation conducted is presented in Appendix B.

2.3 SITE GEOLOGY

The site is part of the San Lorenzo sub-area of the East Bay Plain. Sediments beneath the site are likely Holocene and late Pleistocene alluvial fans interbedded with the Yerba Buena Mud Member.[1] Unconsolidated sediments beneath the site and in the vicinity consist primarily of silts and clays to an approximate depth of 15 feet below grade (fbg). A water-bearing sand unit is encountered at approximately 15 to 20 fbg and is underlain by sands, silts and clays. From approximately 35 to 43 fbg, there is another sandy unit which varies in thickness. This second sandy unit is underlain by silts and clays to the maximum depth explored of approximately 60 fbg. Boring logs are included in Appendix C and geologic cross-sections are presented in Figures 4 a, 4b, 4c and Figure 5.

2.4 SITE HYDROGEOLOGY

Groundwater in the East Bay Plain basin is designated as a potential drinking water source; however, groundwater in the basin is not currently used as a municipal drinking water supply, due to readily available imported surface water.[1] The site is approximately 100 feet above mean sea level (ft-amsl). Groundwater fluctuates from approximately 10 to 20 fbg. Groundwater typically flows toward the southwest at a gradient of 0.03. The nearest surface water is San Lorenzo Creek, located approximately 600 feet downgradient.

3.0 SITE CONCEPTUAL MODEL

3.1 PETROLEUM HYDROCARBON SOURCE AREAS

A soil vapor assessment performed in 1987 detected petroleum hydrocarbons near the UST pit. Soil samples collected in 1996 during UST removal indicated that the hydrocarbon source originated from the USTs.

[1] East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, CA prepared by the California Regional Water Quality Control Board San Francisco Bay

3.2 LIGHT NON-AQUEOUS PHASE LIQUIDS (LNAPL)

Light non-aqueous phase liquid (LNAPL) has not been detected since November 2007. Historically, LNAPL was observed during UST removal in 1996 and approximately 960 gallons of water and LNAPL was pumped from the excavation and disposed of offsite. LNAPL has been detected in seven monitoring and DVE wells; the maximum thickness was 1.06 feet measured in MW-7 in June 1993.

3.3 DISTRIBUTION OF CONSTITUENTS OF CONCERN

The primary constituents of concern (COCs) are total petroleum hydrocarbons as gasoline (TPHg), benzene, and methyl tertiary butyl ether (MTBE). Secondary COCs include toluene, ethylbenzene, and xylenes. Hydrocarbon concentrations in soil and groundwater are shown on Figures 6 through 11 and presented in Tables 1 through 4.

3.4 HYDROCARBON DISTRIBUTION IN SOIL

Based on the distribution in soil, hydrocarbons appear to have originated primarily from the former USTs area and fuel dispensers (Figures 6 through 11). Prior to remedial activities the majority of hydrocarbon mass in soil appeared centered beneath the UST pit and dispenser islands, within an interval from 0 to 20 fbg. Minor hydrocarbon concentrations were detected between 30 and 40 fbg, localized around CPT-6. No hydrocarbon concentrations were detected above Environmental Screening Levels (ESLs[2]) below 40 fbg.

Hydrocarbon concentrations detected further downgradient around CPT-1, CPT-2, and MW-14 are potentially localized releases not related to site hydrocarbons. No hydrocarbon concentrations above ESLs were detected in soil samples collected from offsite well P-1 and offsite borings CPT-8 through CPT-10. Cumulative soil analytical results are presented in Table 1.

[2] Environmental Screening Levels (ESLs) for residential soil where drinking water is a current or potential drinking water resource from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board – San Francisco Bay Region, Interim Final November 2007, revised May 2008.

3.5 HYDROCARBON DISTRIBUTION IN GROUNDWATER

Groundwater monitoring and sampling has been ongoing for 24 years since at least 1988. Blaine-Tech Services (Blaine Tech) conducted the most recent groundwater sampling event in June 2012. As requested by ACEH, groundwater samples were analyzed for the additional constituents:

- Total petroleum hydrocarbons as motor oil (TPHmo)
- Total petroleum hydrocarbon as diesel (TPHd)
- Chlorinated hydrocarbons (VOCs)
- LUFT metals (CAM-17 Metals)
- Polychlorinated biphenyls (PCBs), and
- Polynuclear aromatic hydrocarbons (PAHs)

Cumulative monitoring and sampling data are presented in Tables 2 and 3. Grab-groundwater sampling data are presented in Table 4. Monitoring well construction details are presented in Table 5 and Figure 12. The most recent groundwater sampling event results are summarized in Table A below and Lancaster Laboratories' analytical report is included in Appendix D.

TABLE A – HYDROCARBON CONCENTRATIONS IN GROUNDWATER (JUNE 21, 2012) FORMER CHEVRON 90260, 21995 FOOTHILL BOULEVARD, HAYWARD

	TPHg	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*	*MTBE*
	Concentrations in micrograms per liter (µg/L)					
ESL Table E-1: Potential Vapor Intrusion Concerns (Residential)	***(Use Soil Gas)***	***540***	***380,000***	***170,000***	***160,000***	***24,000***
ESL Table F-1a Drinking Groundwater ESLs	***100***	***1***	***40***	***30***	***20***	***5***
MW-4	**7,600**	**3J**	**69**	**230**	**930**	<1
MW-5	**99,000**	**190J**	**13,000**	**2,700**	**14,700**	<25

TABLE A – HYDROCARBON CONCENTRATIONS IN GROUNDWATER
(JUNE 21, 2012)
FORMER CHEVRON 90260, 21995 FOOTHILL BOULEVARD, HAYWARD

	TPHg	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*	*MTBE*
	Concentrations in micrograms per liter (µg/L)					
ESL Table E-1: Potential Vapor Intrusion Concerns (Residential)	***(Use Soil Gas)***	***540***	***380,000***	***170,000***	***160,000***	***24,000***
ESL Table F-1a Drinking Groundwater ESLs	***100***	***1***	***40***	***30***	***20***	***5***
MW-6	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	<50	<0.5	<0.5	<0.5	<0.5	**140**
MW-8	**8,300**	**1J**	**400**	**390**	**1,170**	<1
MW-9	**3,700**	<1	4J	**39**	**20**	<1
MW-11	**2,400**	**12**	6J	9	7J	<1
MW-12	**2,500**	**71**	2J	**72**	**61**	**34**
MW-13	**5,600**	**12**	**160**	**470**	**325**	<1
MW-14	Unable to access					
MW-15	Unable to access					
MW-16	**6,800**	**130**	13J	**180**	**56**	**5J**
MW-17	Sampled annually					
MW-18	**20,000**	**24J**	**47**	**1,300**	**764**	<5
MW-19	**16,000**	**5,000**	39	**130**	**59**	**180**
P-1	<50	<0.5	<0.5	<0.5	<0.5	**11**
DVE-9	**5,600**	**100**	13	**270**	**410**	**66**
DVE-12	**41,000**	**360**	**830**	**1,700**	**10,600**	**13J**
DVE-20	**16,000**	**40J**	**180**	**760**	**2,200**	<10

bold = concentrations detected at or above ESLs
J = Estimated Value (the result is ≥the Method Detection Limit and < the Limit of Quantitation)

Dissolved-phase hydrocarbon concentrations generally are localized southwest from the former USTs pit and extend offsite along Rex Road (Figure 13). Dissolved concentrations from grab-groundwater samples collected in 2005 generally decreased below a depth of 40 to 45 fbg. The only well completely screened in a deeper water-bearing zone is well MW-19.

3.6 TRENDS AND PROJECTIONS

TPHg, benzene, and MTBE concentration trends in groundwater for MW-4, MW-5, MW-7, MW-8, MW-9, MW-11 through MW-14, MW-16, MW-18, MW-19, P-1, DVE-9, DVE-12, and DVE-20 are illustrated on Figures A through P in Appendix E.

CRA calculated dissolved-phase TPHg, benzene, and MTBE concentration trends using the historical peak hydrocarbon concentration since DPE remediation ceased in December 2009 for rebound monitoring. In several cases, the most recent hydrocarbon concentration peak was chosen to produce a more relevant trend analysis. To estimate the time to meet ESLs, CRA used the following first order exponential decay rate calculation:

$$y = be^{(ax)}$$

Where "a" is the decay rate constant, "b" is concentration at time (x), "y" is the target concentration (e.g. ESL), and "x" is time.

Projections to meet the drinking water ESLs for all wells are summarized in Table B below.

TABLE B – SUMMARY OF DEGRADATION RATE CALCULATIONS
FORMER CHEVRON STATION 90260, 21995 FOOTHILL BOULEVARD, HAYWARD

Well	*Analyte*	*Maximum Concentration (µg/L)*	*Maximum Concentration Post Remediation (µg/L)*	*Current Concentration (µg/L)*	*ESL (µg/L)*	*Date to Reach ESLs*	*Years to Reach ESL*
MW-4	TPHg	1,300,000	19,000	7,600	100	Jul 2019	7
	Benzene	45,000	35	3	1	ESL	ESL
	MTBE	290,000	2	<1	5	At ESL	At ESL
MW-5	TPHg	1,100,000	110,000	99,000	100	Stable	Stable
	Benzene	64,000	940	190	1	Feb 2019	7
	MTBE	8,500	10	<25	5	At ESL	At ESL
MW-7	TPHg	330,000	<50	<50	100	At ESL	At ESL
	Benzene	41,000	<0.5	<0.5	1	At ESL	At ESL
	MTBE	21,000	140	140	5	Increasing	Increasing
MW-8	TPHg	290,000	52,000	8,300	100	Stable	Stable
	Benzene	27,000	14	1	1	At ESL	At ESL
	MTBE	3,100	<5	<1	5	At ESL	At ESL
MW-9	TPHg	220,000	3,700	3,700	100	Increasing	Increasing
	Benzene	3,300	2	<1	1	At ESL	At ESL
	MTBE	510	<1.0	<1.0	5	At ESL	At ESL
MW-11	TPHg	340,000	2,400	2,400	100	Increasing	Increasing
	Benzene	36,000	12	12	1	Increasing	Increasing
	MTBE	6,900	2	<1	5	At ESL	At ESL
MW-12	TPHg	2,400,000	8,500	2,500	100	Jun 2026	14
	Benzene	53,000	410	71	1	Aug 2017	5
	MTBE	66,000	72	34	5	Feb 2015	3
MW-13	TPHg	120,000	6,300	5,600	100	Increasing	Increasing
	Benzene	12,000	12	12	1	Increasing	Increasing
	MTBE	310	<3	<1	5	At ESL	At ESL
MW-14	TPHg	9,900	2,500	2,100	100	Stable	Stable
	Benzene	1,400	55	18	1	Stable	Stable
	MTBE	210	<0.5	<0.5	5	At ESL	At ESL
MW-16	TPHg	71,000	30,000	6,800	100	Jul 2025	13
	Benzene	9,700	1,500	130	1	Jul 2018	6
	MTBE	560	8	5	5	At ESL	At ESL
MW-18	TPHg	93,000	26,000	20,000	100	Aug 2053	41
	Benzene	8,600	78	24	1	Jul 2018	6
	MTBE	1,900	<5	<5	5	At ESL	At ESL
MW-19	TPHg	32,000	32,000	16,000	100	Increasing	Increasing
	Benzene	10,000	10,000	5,000	1	Increasing	Increasing
	MTBE	180	180	180	5	Increasing	Increasing
P-1	TPHg	310	160	<50	100	At ESL	At ESL
	Benzene	31	8	<0.5	1	At ESL	At ESL
	MTBE	20	18	11	5	May 2017	5
DVE-9	TPHg	80,000	12,000	5,600	100	Nov 2020	8
	Benzene	3,400	920	100	1	Apr 2016	4
	MTBE	370	180	66	5	Mar 2018	6

TABLE B – SUMMARY OF DEGRADATION RATE CALCULATIONS FORMER CHEVRON STATION 90260, 21995 FOOTHILL BOULEVARD, HAYWARD							
Well	*Analyte*	*Maximum Concentration (µg/L)*	*Maximum Concentration Post Remediation (µg/L)*	*Current Concentration (µg/L)*	*ESL (µg/L)*	*Date to Reach ESLs*	*Years to Reach ESL*
DVE-12	TPHg	120,000	46,000	41,000	100	Stable	Unknown
	Benzene	38,000	910	360	1	Jul 2025	13
	MTBE	210	53	13	5	Aug 2013	1
DVE-20	TPHg	64,000	20,000	16,000	100	Increasing	Increasing
	Benzene	1,500	110	40	1	Jun 2020	8
	MTBE	19	1	<10	5	At ESL	At ESL

TPHg concentrations in groundwater are decreasing or stable in all wells, except MW-8, MW-9, MW-11, MW-13, MW-19, DVE-12, and DVE-20. Hydrocarbon concentrations in these wells appear to be increasing but are still below historical maximums, except for MW-19. Benzene concentrations in all wells are decreasing, stable, or at ESLs, except wells MW-11 and MW-13, where concentrations are stable and are within historic maximums. Benzene concentrations in MW-19 are within historical maximums. MTBE concentrations in all wells are decreasing, stable, or at ESLs, except wells MW-7 and MW-19.

3.7 BIOPARAMETER DATA AND BIODEGRADATION DISCUSSION

To assess the extent of natural hydrocarbon biodegradation occurring, Blaine Tech collected intrinsic bioparameter data from all site wells on June 21, 2012. Field measurements of pre-purge dissolved oxygen (DO) and oxidation reduction potential (ORP) were collected and groundwater samples were analyzed for nitrates, sulfates, dissolved total ferrous iron, and methane. Bioparameter data is included in Blaine Tech's *Second Quarter 2012 Groundwater Monitoring Report* (Appendix D). Biodegradation evaluation graphs showing bioparameter data versus TPHg and benzene data are presented in Appendix F.

Active biodegradation is indicated by: inverse relationships between hydrocarbon (TPHg and benzene) concentrations and DO, nitrate, and sulfate concentrations; and direct relationships between hydrocarbon concentrations and ferrous iron and methane. These parameters are discussed below.

Dissolved Oxygen

During aerobic biodegradation, DO concentrations are reduced as aerobic respiration occurs. DO is the most thermodynamically favored electron acceptor used in aerobic biodegradation of petroleum hydrocarbons. DO concentrations can be as high as 8 to 13 milligrams per liter (mg/L) in oxygen-saturated groundwater that is free of hydrocarbons. Inverse relationships between DO and hydrocarbon concentrations indicate the occurrence of aerobic degradation, provided that at least 1 to 2 mg/L of DO is present in groundwater, DO concentrations during this event ranged from 0.50 to 1.27 mg/L. It appears that DO concentrations are low in most wells and are only present above 1 mg/L in wells MW-8 and MW-19. These data suggest aerobic biodegradation might be occurring in some dissolved plume areas (Figure A).

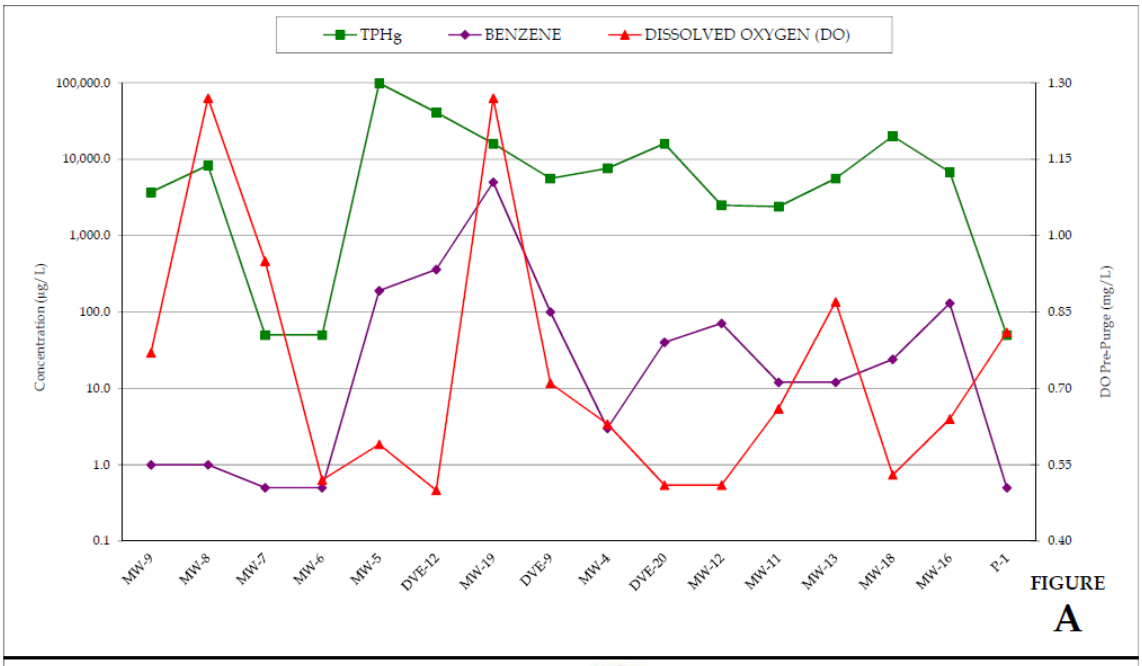


FIGURE A

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS VERSUS DISSOLVED OXYGEN

Oxidation Reduction Potential (ORP)

The oxidation reduction potential (ORP) of groundwater is a measure of electron activity and is an indicator of the relative tendency of a solute species to gain or lose electrons. The ORP of groundwater generally ranges from -400 millivolts (mV) to 800 mV. ORP of groundwater is positive under oxidizing conditions and negative under reducing conditions. Reducing conditions (negative ORP measurements) suggest that anaerobic biodegradation is occurring. ORP concentrations during this event ranged from -93 to 232 mV, with lower ORP levels in most wells with the highest hydrocarbon concentrations. ORP measurements during this event indicate reducing conditions may be occurring in the core of the hydrocarbon plume and oxidizing conditions may be occurring at the extents (Figure B).

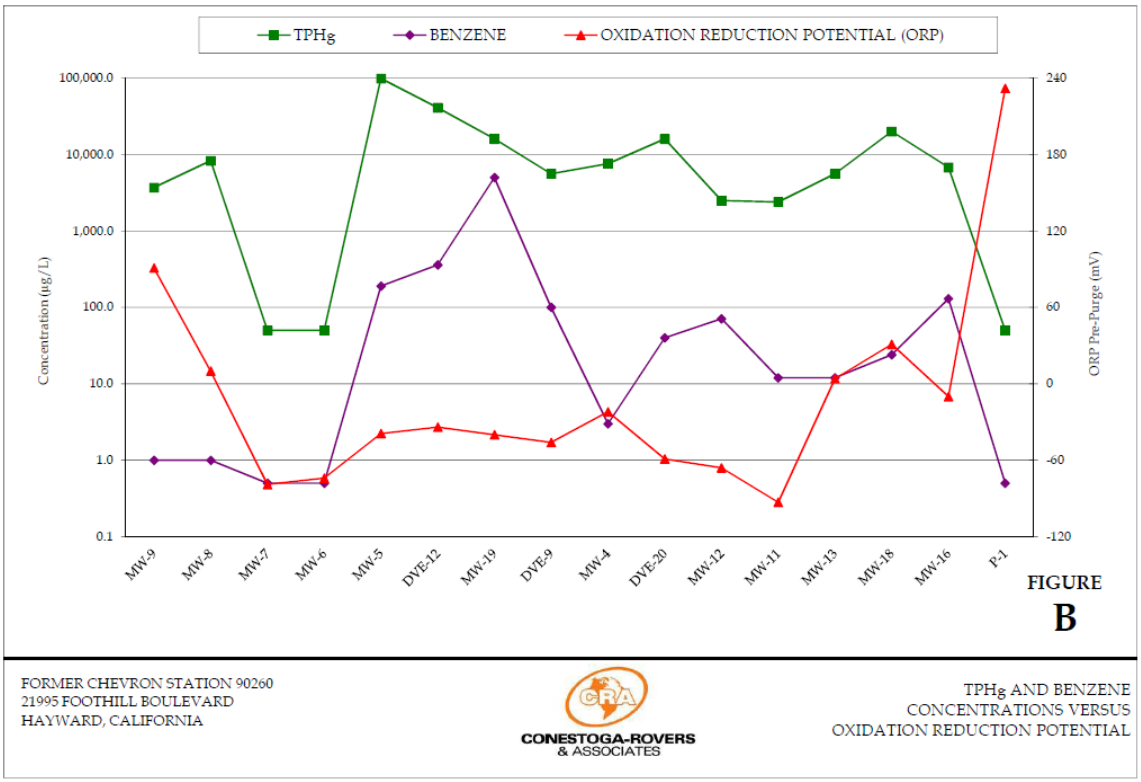


FIGURE B

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS VERSUS OXIDATION REDUCTION POTENTIAL

Nitrate as Nitrogen (Nitrate)

After DO has been depleted in groundwater, nitrate may be used as an electron acceptor for anaerobic biodegradation. In this denitrification process, nitrate is reduced to nitrite. If nitrate concentrations vary inversely with hydrocarbon concentrations and if nitrates are depleted in the core of the plume, anaerobic biodegradation of fuel hydrocarbons may be occurring. Nitrate concentrations this event are somewhat inversely proportional to hydrocarbon concentrations. It appears that nitrate depletion is occurring and anaerobic conditions exist within the core of the plume (Figure C).

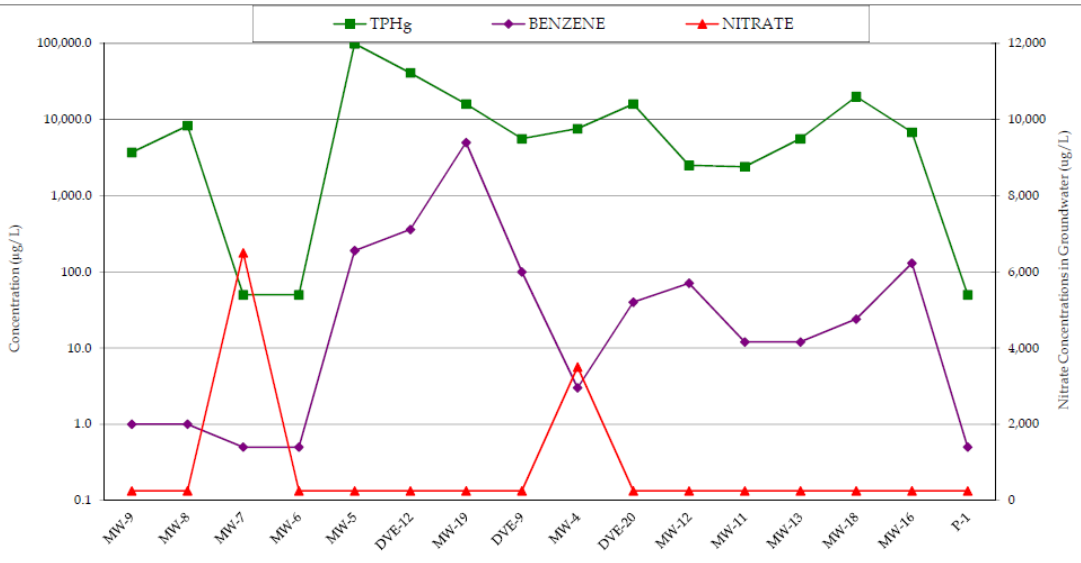


FIGURE
C

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS
VERSUS NITRATE CONCENTRATIONS

Sulfate

After DO and nitrate in groundwater have been depleted, sulfate may be used as an electron acceptor for anaerobic biodegradation. If sulfate concentrations vary inversely with hydrocarbon concentrations, anaerobic biodegradation of fuel hydrocarbons is likely occurring. Sulfate concentrations this event varied inversely with hydrocarbon concentrations indicating that anaerobic degradation may be occurring (Figure D).

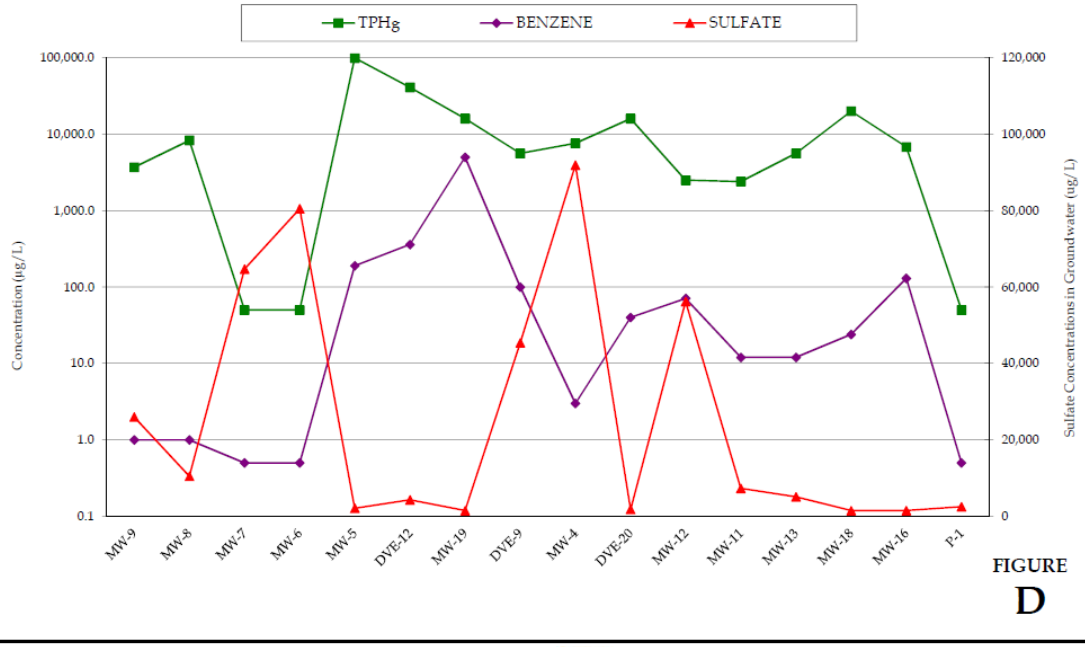


FIGURE D

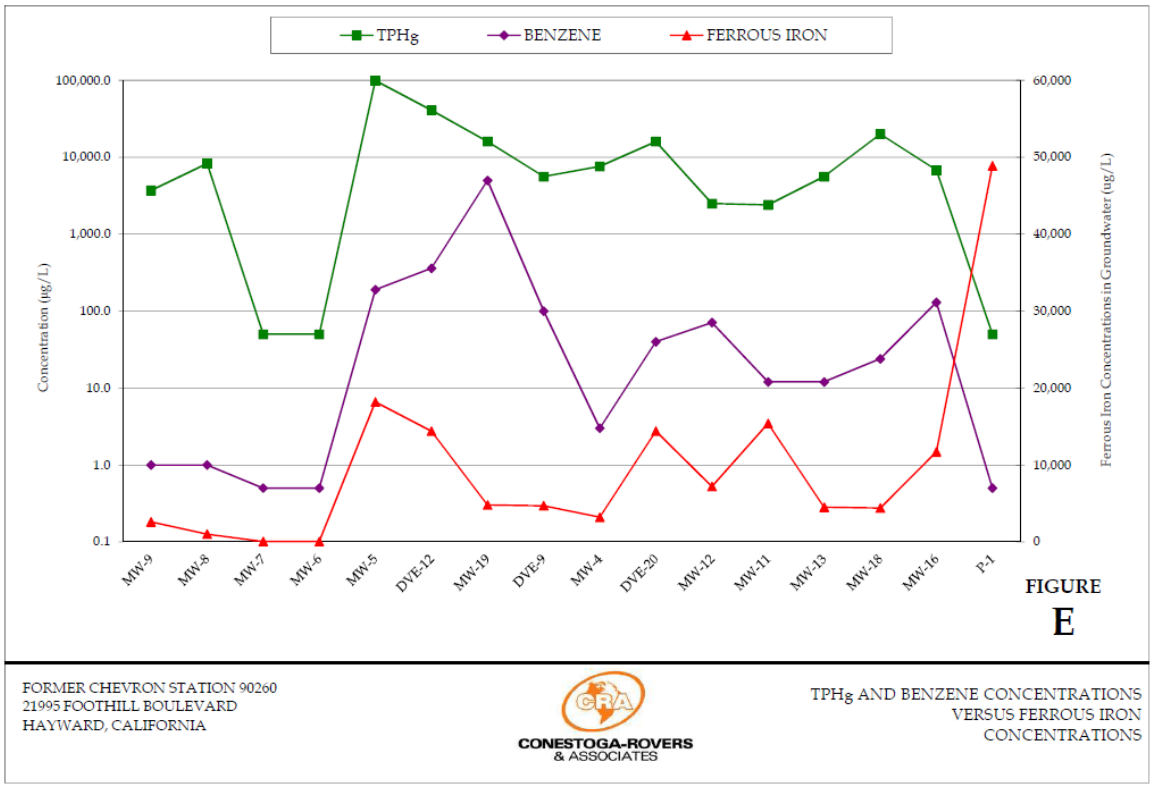
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS VERSUS SULFATE CONCENTRATIONS

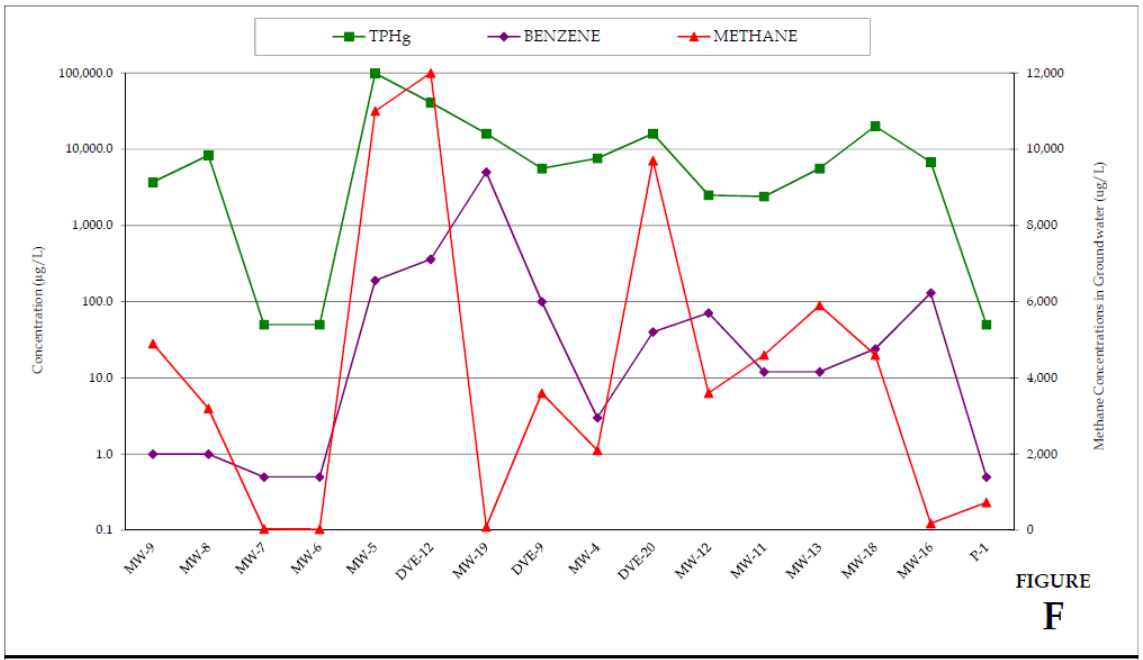
Ferrous Iron

In some cases, ferric iron is used as an electron acceptor during anaerobic biodegradation of petroleum hydrocarbons. In this process, ferric iron is reduced to ferrous iron, which may be soluble in water. Ferrous iron concentrations this event are generally directly proportional to hydrocarbon concentrations in several wells indicating anaerobic biodegradation may be occurring in the core of the hydrocarbon plume (Figure E).



Methane

Methane is produced only under strong reducing conditions by methanogens. Methanogens are one of the most common classes of naturally occurring microorganisms. Methanogens are anaerobic organisms that can utilize either acetate or hydrogen, which are common byproducts of fermentative bacteria. Methanogenic microorganisms become metabolically active if electron acceptors stronger than carbon dioxide have been depleted, and hydrogen and/or acetate are being produced and are available. If carbon dioxide is being used as an electron acceptor, methane concentrations will be directly proportional to biodegradation across the dissolved hydrocarbon plume. Methane concentrations this event have in general, direct correlation to hydrocarbon concentrations indicating methanogenic biodegradation is occurring (Figure F).



3.8 HYDROCARBON DISTRIBUTION IN SOIL VAPOR

Initial soil vapor samples were collected in 1987 from shallow temporary soil vapor probes using a gas chromatograph or photo-ionization detector (PID). The highest hydrocarbon concentrations detected were in V6, southeast of the former USTs. Permanent vapor probes were installed in 2003 and were sampled quarterly for a period of approximately 2 years. Hydrocarbon vapor concentrations at all locations appear to be decreasing over time. Soil vapor sampling data is presented in Table 6.

In the letter dated April 18, 2012, ACEH noted that the last vapor samples were collected in 2005, and significant changes in sampling protocol have occurred since that time. On June 26, 2012, CRA sampled permanent vapor probes VP-1 and VP-3; vapor probe VP-2 was unable to be located. Nested vapor probes VP-1 and VP-3 were sampled using current Department of Toxic Substances Control (DTSC) sampling protocols and analyzed for TPHg, BTEX, MTBE, naphthalene, aromatic hydrocarbons, aliphatic hydrocarbons, and atmospheric gases.

Vapor samples collected at approximately 3.5 fbg and 8.5 fbg from both VP-1 and VP-3 and a duplicate sample from VP-1 at 8.5 fbg were collected in one-liter Summa™ canisters connected directly to the vapor probe tubing. CRA attempted to sample the vapor probes screened at 12.5 fbg from both VP-1 and VP-3; however, after initial purging of the tubing, no further vacuum was pulled, and a sample could not be collected from either probe. A closed circuit sampling train was created by attaching the sample Summa™ canister in a series with the purge Summa™ canister via a steam-cleaned stainless steel manifold. A flow rate of 167 milliliters per minute (mL/min) was used to collect the sample.

A "shut-in" test was performed prior to connecting the sampling equipment to the vapor probe tubing. This test was performed by sealing all openings to ambient air, opening the purge Summa™ canister to establish a vacuum inside the sampling train and waiting to ensure the vacuum remained stable for 10 minutes. The "shut-in" test reduces the potential for ambient air to infiltrate into the sample.

After the "shut-in" test was completed, the probe tubing was connected to the sampling train and approximately three probe tubing volumes of stagnant air were purged. After purging, the sample Summa™ canister valve was opened. The Summa™ canister vacuum was used to draw soil vapor through the flow controller and into the sample

canister until a negative pressure of approximately 5-inches of mercury was observed on the vacuum gauge.

In accordance with the DTSC *Advisor-Active Soil Gas Investigations* guidance document, leak testing was performed during sampling. Laboratory grade helium was utilized to determine if ambient air was entering the Summa™ canisters during sampling. A shroud was used to surround the vapor sampling equipment and the connections between the sampling equipment and the vapor probe tubing. A helium detector was also placed inside the shroud to quantify helium concentrations inside the shroud. An atmosphere of approximately 40 percent helium was created and maintained for the duration of vapor sampling.

All samples were labeled, logged on a chain-of-custody, stored at ambient temperature, and shipped to Air Toxics LTD., of Folsom, California for analysis. No vapor concentrations above the soil gas ESLs[3] were detected in any vapor samples. Results from soil vapor samples are presented in Table C below. The laboratory analytical reports for vapor are included in Appendix G and analytical data are presented in Table 6.

[3] Table E-2 Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion Concerns from *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the California Regional Water Quality Control Board – San Francisco Bay Region, Interim Final November 2007, revised May 2008.

TABLE C: SOIL VAPOR ANALYTICAL DATA (HYDROCARBONS)
FORMER CHEVRON 90260, 21995 FOOTHILL BOULEVARD, HAYWARD

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl benzene*	*m,p-Xylene*	*o-Xylene*	*MTBE*	*Naphtha-lene*
			Reported in microgram per cubic meter (ug/m³)							
ESLs Shallow Soil Gas (C/I)			***29,000***	***280***	***180,000***	***3,300***	***58,000***	***58,000***	***31,000***	***240***
ESLs Shallow Soil Gas (R)			***10,000***	***84***	***63,000***	***980***	***21,000***	***21,000***	***9,400***	***72***
VP-1	6/26/12	3.5	2,500	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17
VP-1	6/26/12	8.5	2,200	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17
VP-1[a]	6/26/12	8.5	1,900	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17
VP-3	6/26/12	3.5	6,500	<2.6	<3.0	<3.5	<3.5	<3.5	<2.9	<17
VP-3	6/26/12	8.5	1,800	<2.7	<3.2	<3.6	<3.6	<3.6	<3.0	<18

C/I = Commercial/Industrial
R = Residential
[a] = Field duplicate collected simultaneously with original sample

No helium was detected in any of the vapor probe samples. The absence of helium indicates that no ambient air entered the canisters during the sampling process.

4.0 RISK ASSESSMENT

As all soil data was taken prior to remediation, a risk assessment will be completed after recent soil conditions are known.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the information presented above:

- LNAPL has not been detected since November 2007.
- Numerous remedial efforts to remove residual hydrocarbon mass have been performed since 1996, and most recently, a DPE remediation system operated between 2007 and 2009.
- Site soil data collected prior to remedial operations indicated that the majority of hydrocarbon impact was in the vicinity of the former USTs and dispenser islands at

depths between 0 to 20 fbg. Hydrocarbon impact in soil above ESLs is defined vertically above 40 fbg. Post-remediation soil sampling should be conducted to assess current soil conditions and to provide remedial confirmation results.

- Dissolved TPHg and benzene extends offsite across Rex Road. The dissolved plume is generally delineated below ESLs to the north and west. Currently, MW-19 is the only well screened solely in the deeper water-bearing zone and dissolved concentrations within MW-19 are elevated. Additional groundwater assessment should be conducted to close these data gaps.
- No hydrocarbon concentrations were detected above soil gas ESLs from recent vapor samples collected from existing vapor probes VP-1 and VP-3, indicating that there is no significant vapor intrusion risk on- or offsite.
- Based on bioparameter data, it appears that bioremediation is occurring within the dissolved hydrocarbon plume.

6.0 RESPONSE TO ACEH TECHNICAL COMMENTS

ACEH letter dated April 18, 2012 (Appendix A), ACEH provided several technical comments and requested they be addressed; ACEH's technical comments are addressed below.

6.1 CONTAMINATION DELINEATION/REMEDIAL SYSTEM CONFIRMATION SAMPLING

In the letter, ACEH notes that since UST removal in 1996, the UST pit area and dispenser island areas have not been investigated, and that it would be appropriate to attempt to identify shallow, or other, residual-mass sources that continue to contribute mass to groundwater. ACEH requested additional borings be advanced in these areas, which will provide confirmation sampling from previous remedial efforts. CRA identified additional areas where further delineation is necessary, as outlined in Section 8, below.

6.2 SOIL VAPOR SURVEY AND COMMUNITY BUILDING STOCK SURVEY

As indicated in Section 3.8 above, CRA sampled existing nested vapor probes VP-1 and VP-3 using current DTSC vapor sampling protocols. No hydrocarbon concentrations were detected above soil gas ESLs.

ACEH requested a building stock survey of surrounding properties be performed to identify building foundation type, plots of residential wells, basement, and any other structure of import to determine appropriate offsite vapor well locations. Recent soil vapor sampling results suggest that there is no risk from soil gas intrusion. CRA believes that a stock survey is not necessary.

6.3 GROUNDWATER MONTIORING ANALYTICAL PROGRAM

ACEH requested that used-oil constituents be included in the upcoming analytical suite associated with the next groundwater monitoring and sampling event. During the second quarter 2012 monitoring and sampling event, analysis of all wells sampled did include TPHmo, TPHd, chlorinated hydrocarbons, LUFT metals, PCBs, and PAHs.

Based on a 1987 inventory record from the Hayward Fire Department, ACEH suggested that a 1,000-gallon waste -oil UST may have been present at the site. COCs indicative of used-oil were not detected in any of the monitoring wells during the recent groundwater sampling performed in June 2012. In order for us to update our file, CRA requests that ACEH provide a copy of the City of Hayward Fire Department inventory record.

6.5 STATUS OF RESIDENTIAL WELL DESTRUCTION EFFORT

To date, the residential backyard well located at 1180 Rex Road has not been decommissioned. As noted, an access agreement had not been executed prior to being sold in 2007 and the house was foreclosed on sometime in 2011. Most recently, the property was sold during 2012. Chevron is currently working with the new property owner to obtain an access agreement. CRA will update ACEH on progress going forward.

7.0 DATA GAPS

Below are data gaps that require additional evaluation and/or investigation. A work plan to fill data gaps is presented below in Section 8.

Soil

Existing soil data was collected prior to DPE operation and soil data beneath the area of former UST pit location was not collected at depth. Additional soil sampling in the area of the former USTs and across the site is needed to assess post-remediation soil conditions and provide confirmation of remedial effectiveness.

Groundwater

Dissolved hydrocarbon concentrations are not delineated downgradient of well MW-14. Well MW-19 is the only monitoring well screened solely in the deeper water-bearing zone. Additional groundwater data downgradient of MW-14 and MW-19 is needed to assess the extent of dissolved hydrocarbons.

8.0 WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION

To fill data gaps identified in the above SCM, CRA proposes advancing 13 CPT borings onsite and offsite as shown on Figures 14 and 15. All proposed CPT borings will be advanced to approximately 60 fbg.

The scope of work for the proposed investigation is discussed below.

Permits and Inspection

CRA will obtain the necessary permits and coordinate inspection with Alameda County Public Works (ACPW) and the City of Hayward prior to beginning field operations.

Site Specific Health and Safety Plan

CRA will prepare a site-specific health and safety plan to protect site workers. The plan will be reviewed and signed by all site workers and visitors and remain onsite during all field activities.

Utility Location and Clearance

CRA will contact Underground Services Alert (USA) to coordinate location of subsurface utilities no less than 48 hours prior to the start of field activities. CRA will hire a licensed geophysicist to confirm the locations of underground utilities. In accordance with Chevron and CRA safety standards, an air knife-assisted vacuum rig or hand auger will be utilized to clear the locations to a depth of 8 fbg.

Soil Sampling

CRA will collect soil samples at a minimum of 5-foot intervals, at the soil/groundwater interface, at obvious changes in soil types, and where hydrocarbon indications are observed to the total depth explored. Soils will be logged using the ASTM D2488-06 Unified Soil Classification System for the first 8 feet. The remaining depth will be logged during CPT advancement, where tip resistance, sleeve friction, and dynamic pore pressure will be electronically recorded and a continuous stratigraphic log will be created. Soil samples will be collected from each boring using a direct-push sampler, lined with clean brass or polyethylene sampling tubes. Soil samples will be screened with a PID and all PID measurements will be recorded on the boring log. Samples will be sealed, labeled, logged on a chain-of-custody, placed on ice, and transported to a Chevron and California State-approved laboratory for analysis. After sample collection, the boreholes will be tremie-grouted with neat Portland cement and completed to surface to match existing grade.

Groundwater Sampling

CRA will collect depth-discrete groundwater samples from offsite CPT borings using a Hydropunch® sampling system. Upon reaching the desired groundwater sampling depth, the rods will be retracted and screen casing will be exposed to allow groundwater to infiltrate hydrostatically from the formation. Groundwater samples will be collected using a micro-bailer, and the samples will be transferred from the bailer to laboratory-supplied sample containers. Samples will be labeled, logged on a chain-of-custody form, preserved on ice, and transported to a Chevron and California State-approved laboratory for analysis. The actual sample depths may change based on stratigraphic interpretation of the electronic log. CRA's standard field procedures for CPT sampling and testing are presented in Appendix H.

Chemical Analysis
Select soil and groundwater samples will be analyzed for the following:

- TPHg by EPA Method 8015M
- BTEX and MTBE by EPA Method 8260B

Waste Disposal
Soil cuttings generated will be placed in Department of Transportation (DOT) approved drums, labeled appropriately, and temporarily stored onsite. The waste will be transported by licensed waste haulers to a Chevron-approved disposal facility following receipt of the analytical profile.

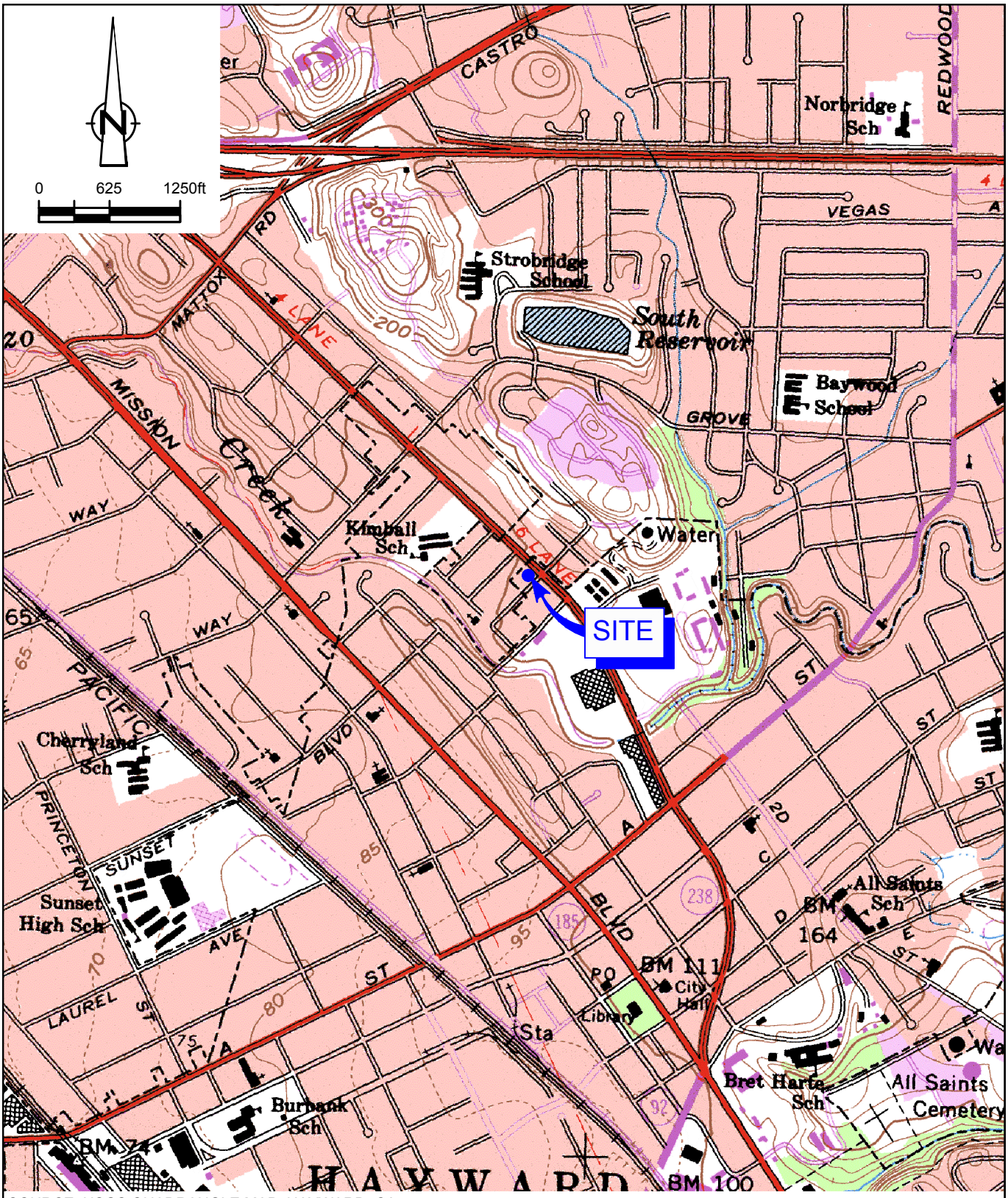
Reporting
Upon completion of field activities and review of the analytical results, CRA will prepare an investigation report that, at a minimum, will contain:

- Description of the drilling and sampling methods
- Soil boring and CPT logs
- Tabulated soil and grab-groundwater analytical results
- Analytical reports and chain-of-custody forms
- Waste disposal details
- An evaluation of the extent of hydrocarbons in the subsurface
- Conclusions and recommendations

8.1 CLOSING

CRA will proceed with the proposed scope of work upon receipt of written approval from ACEH. CRA will then obtain all required drilling and encroachment permits and schedule the subcontractors at their earliest availability. CRA will submit the investigation report approximately eight to ten weeks after receipt of final analytical data.

FIGURES



SOURCE: USGS QUADRANGLE MAP: HAYWARD, CA.

Figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA001 JUN 14/2012

FOOTHILL BOULEVARD

LANDSCAPING AREA

TREATMENT SYSTEM ENCLOSURE

FORMER DISPENSER ISLANDS

FORMER USTS

LANDSCAPING AREA

COMMERCIAL

FORMER CHEVRON SERVICE STATION 9-0260

CINDER BLOCK WALL

RESIDENTIAL

REX ROAD

FORMER STANDARD SERVICE STATION NO.1230

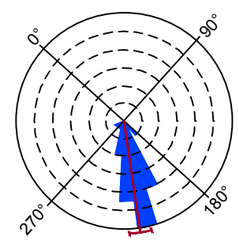
0 10 20ft

V13 DVE-2 DVE-1 MW-6 B-9 V3 V2 V1 DVE-6 V12 P1 DVE-5 P2 DVE-4 P3 DVE-3 V5 MW-3 V4 TX8 TX5 MW-2 V11 TX7 TX4 V6 MW-7 DVE-17 DVE-7 B-8 B-6 TX6 TX1 TX2 DVE-8 MW-4 V7 TX3 DVE-18 MW-1 V9 DVE-19 DVE-20 B-10 MW-19 DVE-9 CPT-5 V10 DVE-12 CPT-6 DVE-10 MW-5 CPT-3 CPT-4 VP-1 DVE-11 V8 VP-3 DVE-13 MW-11 MW-12 VP-2

MW-9 DVE-14 CPT-7 MW-8 DVE-15 MW-13 DVE-16

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)



HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 2

SITE PLAN
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA002 AUG 26/2012

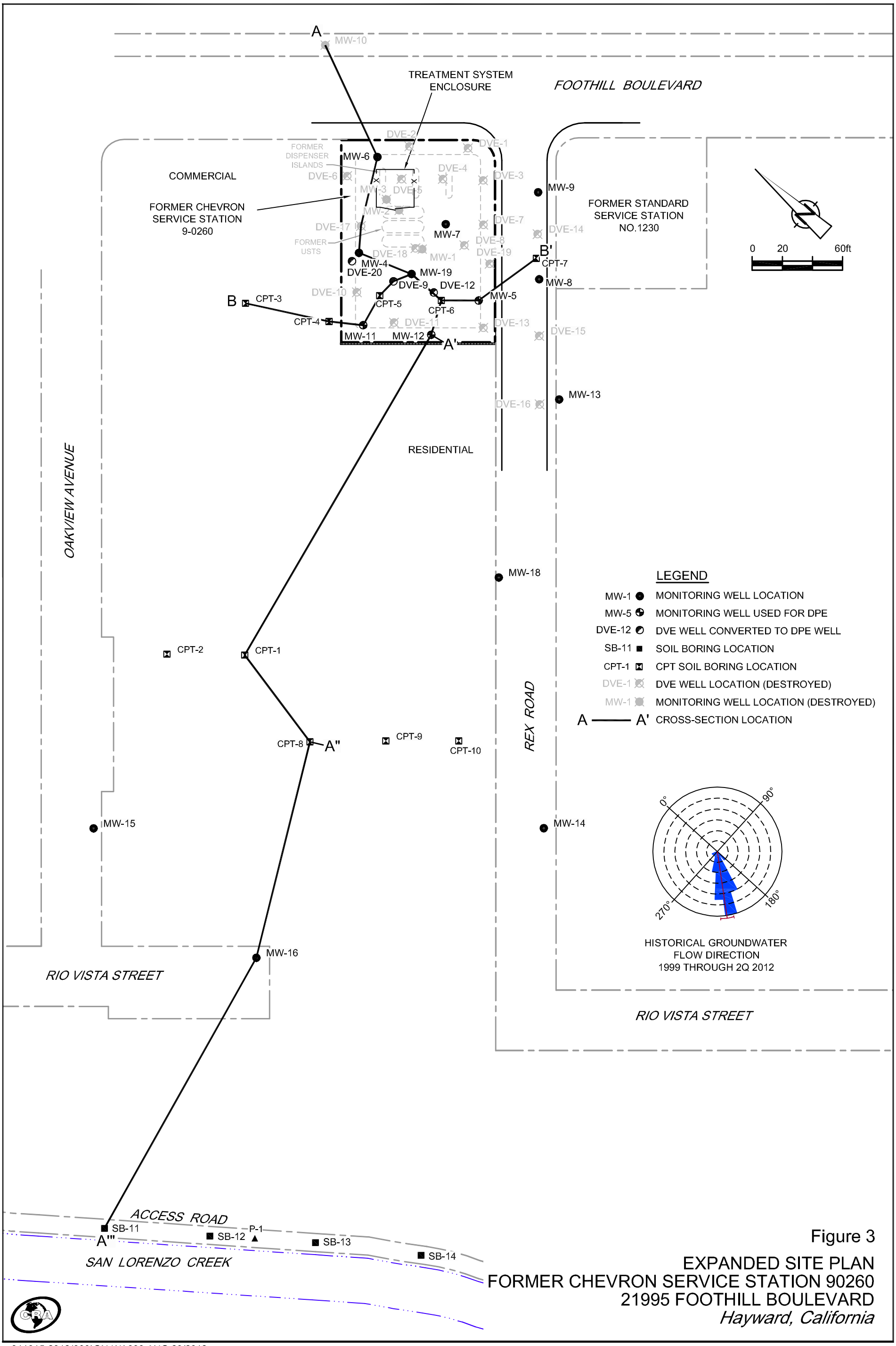


Figure 3

EXPANDED SITE PLAN
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA003 AUG 28/2012

LEGEND

MW-19 — WELL DESIGNATION

GROUND SURFACE

OBSERVATION WELL INSTALLATION

STRATIGRAPHIC BOUNDARY

CL — TYPICAL SOIL CLASSIFICATION

SCREENED INTERVAL

BOTTOM OF BORING

APPROXIMATE SOIL SAMPLE LOCATION

TPHg
BENZENE
MTBE
DATE
HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)

APPROXIMATE GROUNDWATER SAMPLE LOCATION

TPHg
BENZENE
MTBE
DATE
HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)

FILL

AS - ASPHALT

CO - CONCRETE

ML - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY

CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS

SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES, SILTY SAND

SW - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES, GRAVEL

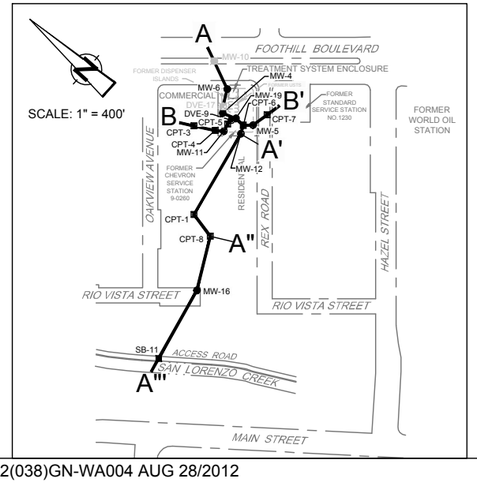
NA — NOT ANALYZED

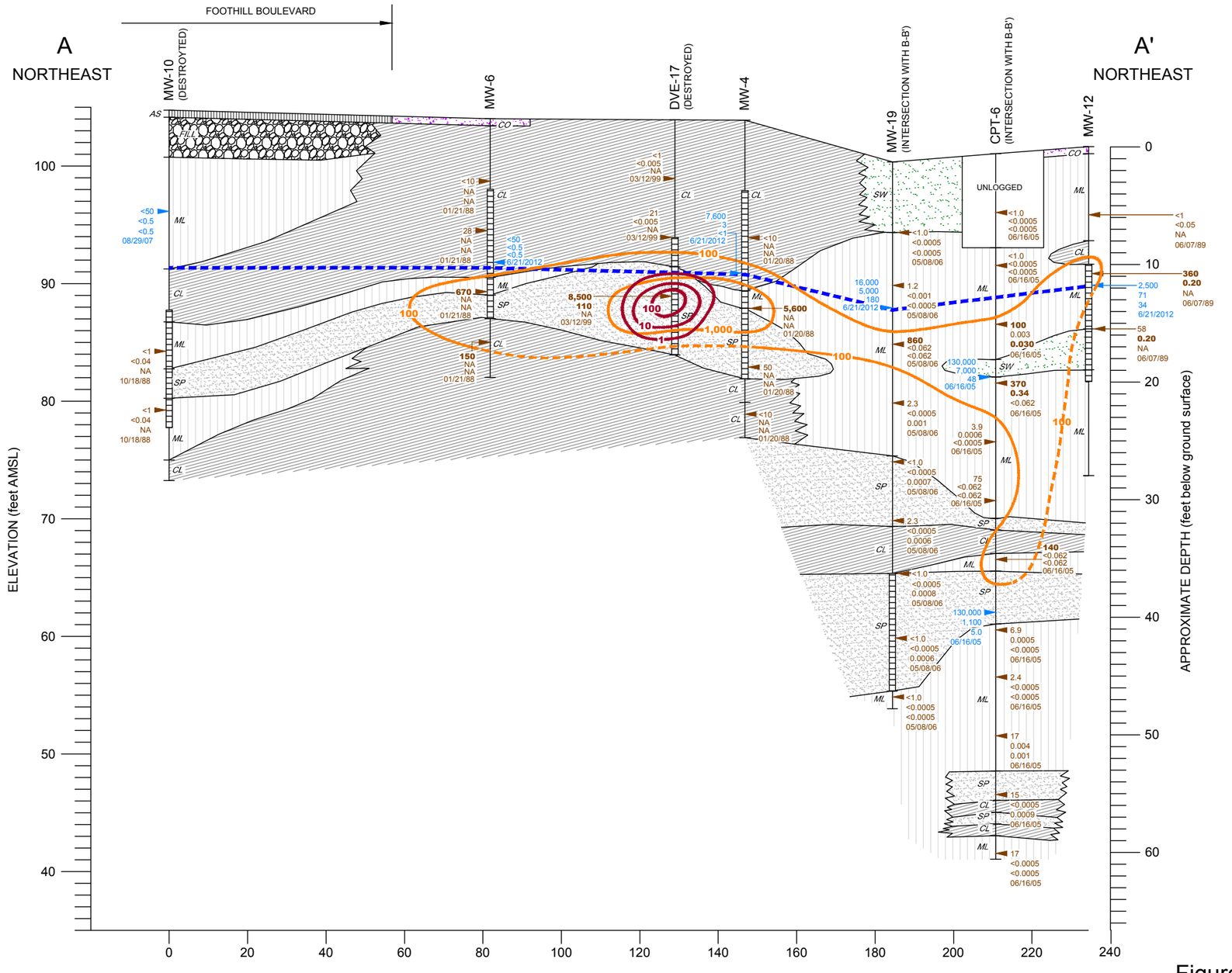
UNLOGGED DUE TO HAND AUGER

DEPTH TO WATER LINE

100 — TPHG CONCENTRATION CONTOUR LINE IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE INFERRED

100 — BENZENE CONCENTRATION CONTOUR LINE IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE INFERRED





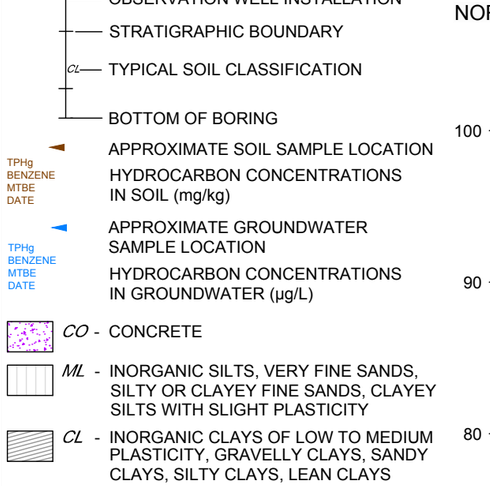
SCALE: HORZ. 1" = 30'
VERT. 1" = 10'

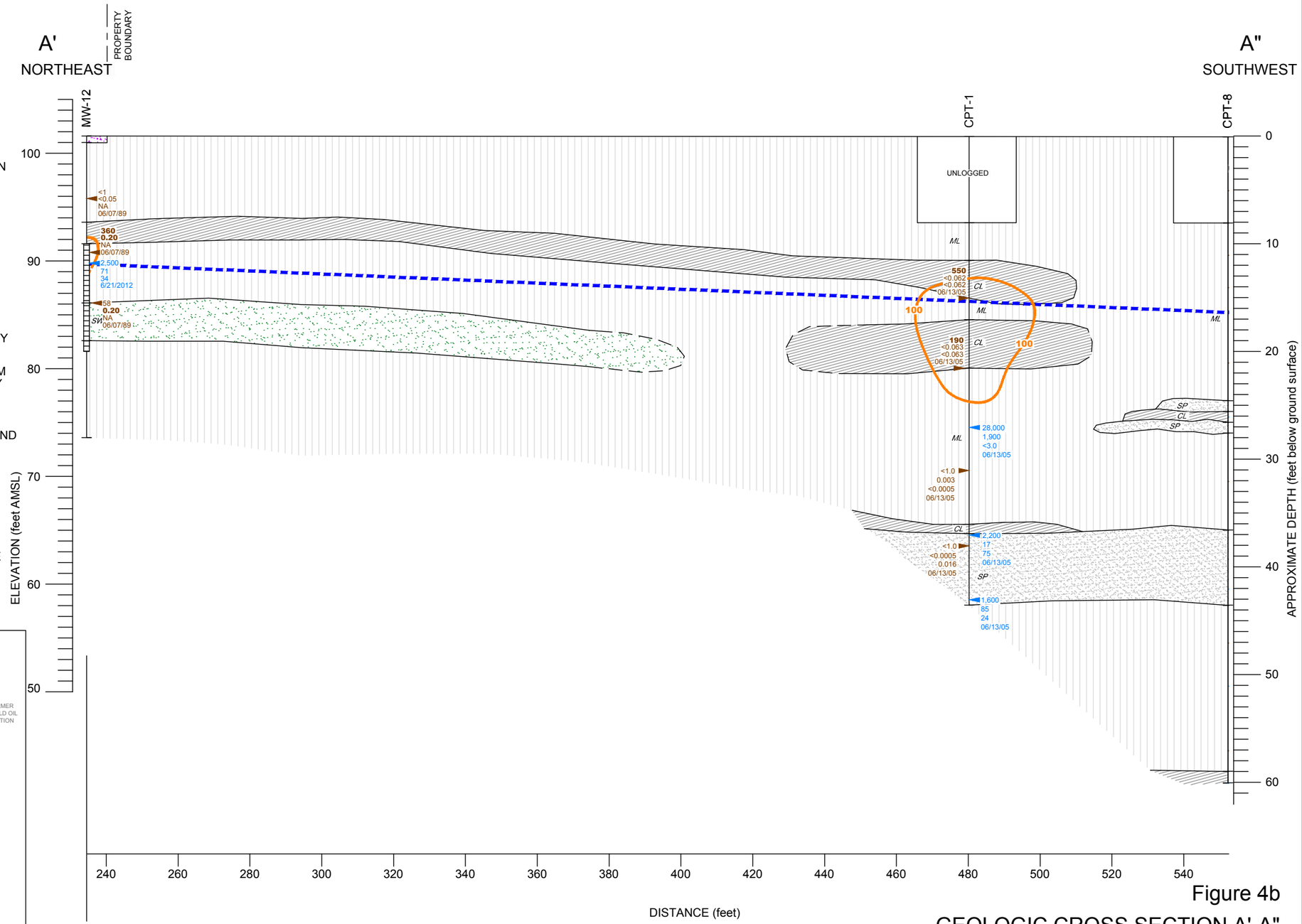
Figure 4a

GEOLOGIC CROSS SECTION A-A'
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

LEGEND

- CPT-1 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- BOTTOM OF BORING
- APPROXIMATE SOIL SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)
- *CO* - CONCRETE
- *ML* - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
- *CL* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
- *SP* - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES, SILTY SAND
- *SW* - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES, GRAVEL
- NA NOT ANALYZED
- UNLOGGED DUE TO HAND AUGER
- DEPTH TO WATER LINE
- 100 — TPHG CONCENTRATION CONTOUR LINE IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE INFERRED





SCALE: HORZ. 1" = 30'
VERT. 1" = 10'

Figure 4b

GEOLOGIC CROSS SECTION A'-A"
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA004 AUG 28/2012

A"

NORTHEAST

A'''

SOUTHWEST

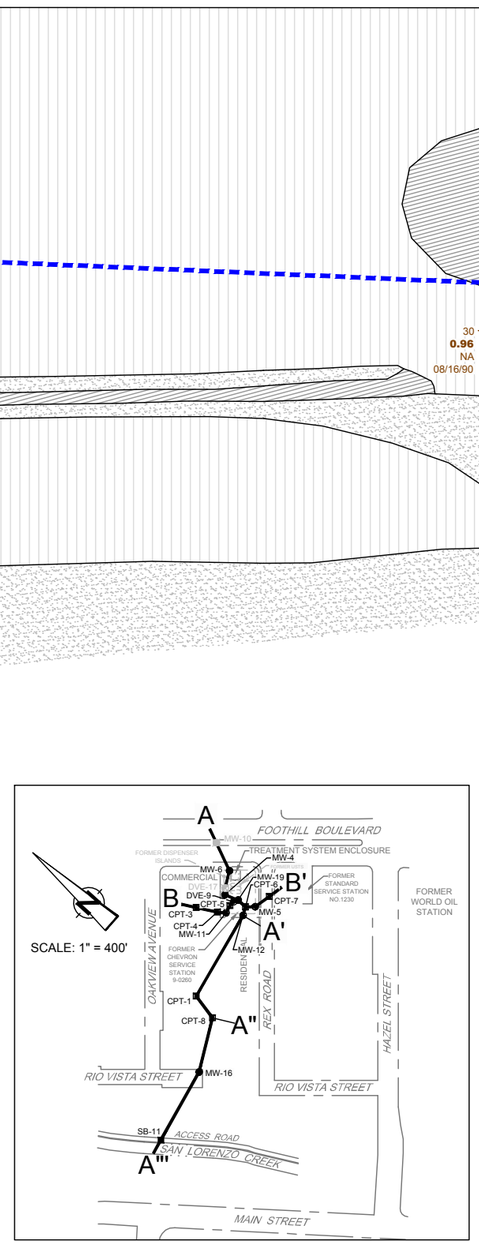
CPT-8

MW-16

SB-11

ELEVATION (feet AMSL)

APPROXIMATE DEPTH (feet below ground surface)



LEGEND

- MW-16 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- APPROXIMATE SOIL SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)

- *CO* - CONCRETE
- *ML* - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
- *CL* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
- *SP* - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES, SILTY SAND
- *SW* - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES, GRAVEL
- NA NOT ANALYZED
- UNLOGGED DUE TO HAND AUGER
- DEPTH TO WATER LINE

SCALE: HORZ. 1" = 30'
VERT. 1" = 10'

Figure 4c

GEOLOGIC CROSS SECTION A"-A'''
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA004 AUG 28/2012

LEGEND

MW-19 — WELL DESIGNATION

GROUND SURFACE

OBSERVATION WELL INSTALLATION

STRATIGRAPHIC BOUNDARY

CL — TYPICAL SOIL CLASSIFICATION

SCREENED INTERVAL

BOTTOM OF BORING

APPROXIMATE SOIL SAMPLE LOCATION

TPHg
BENZENE
MTBE
DATE
HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)

APPROXIMATE GROUNDWATER SAMPLE LOCATION

TPHg
BENZENE
MTBE
DATE
HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)

CO - CONCRETE

FILL

ML - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY

CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS

SP - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES, SILTY SAND

SW - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES, GRAVEL

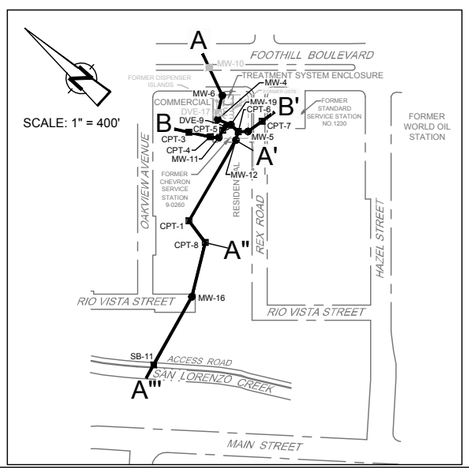
NA — NOT ANALYZED

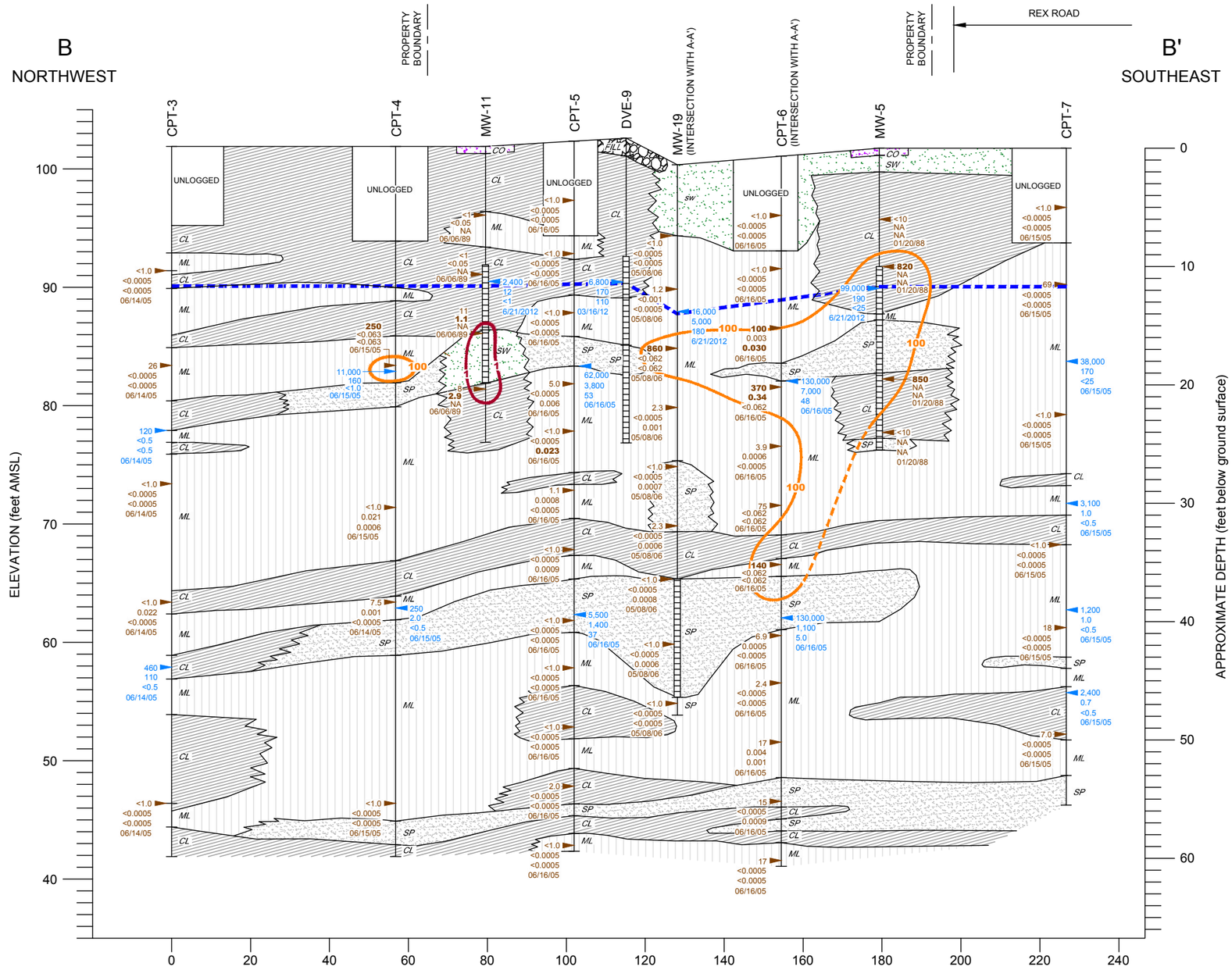
UNLOGGED DUE TO HAND AUGER

DEPTH TO WATER LINE

100 — TPHG CONCENTRATION CONTOUR LINE IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE INFERRED

1 — BENZENE CONCENTRATION CONTOUR LINE IN MILLIGRAMS PER KILOGRAM (mg/kg) DASHED WHERE INFERRED





SCALE: HORZ. 1" = 30'
VERT. 1" = 10'

Figure 5

GEOLOGIC CROSS SECTION B-B'
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA004 AUG 29/2012

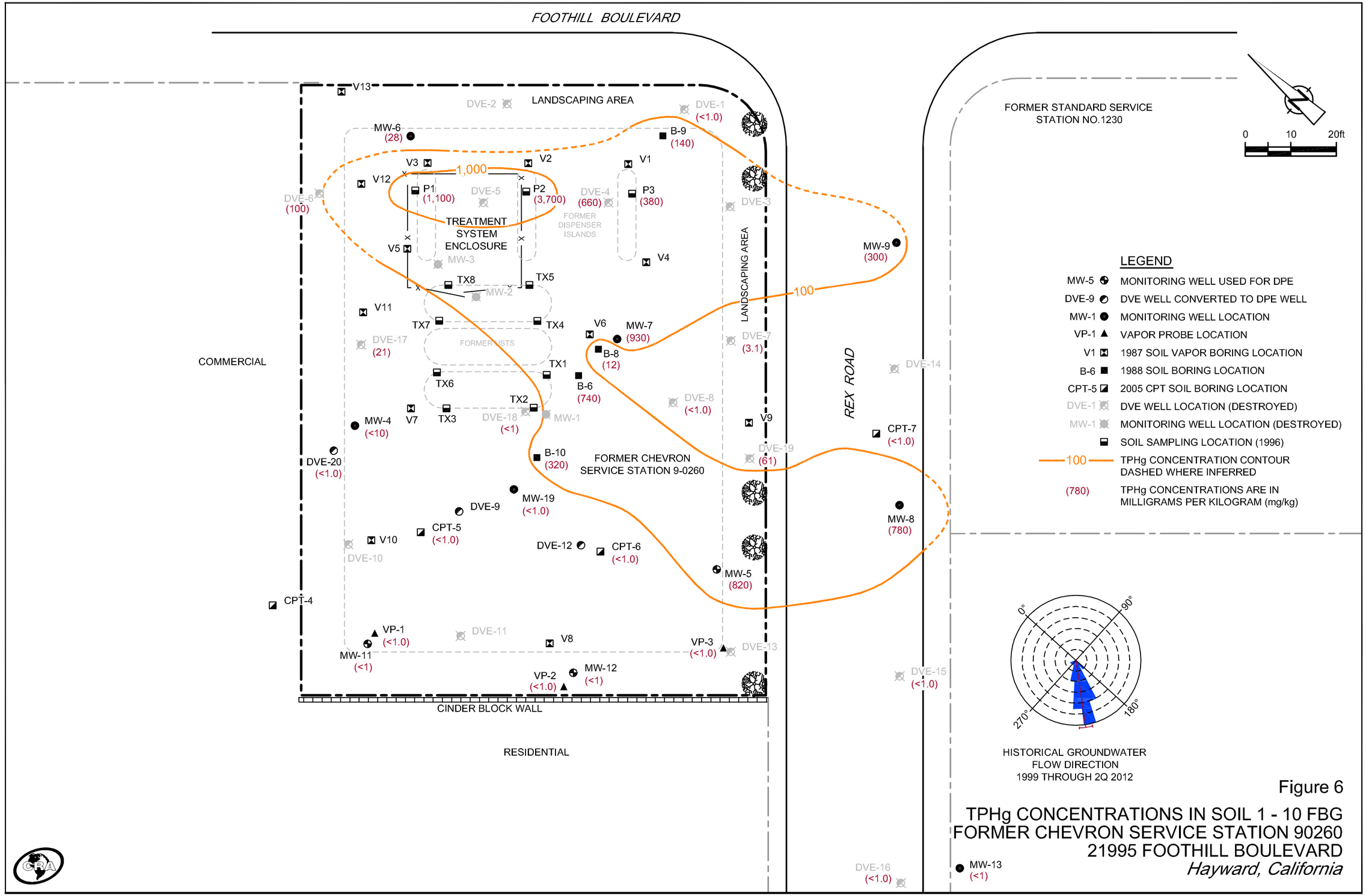


Figure 6

TPHg CONCENTRATIONS IN SOIL 1 - 10 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA007 AUG 28/2012

FOOTHILL BOULEVARD

LANDSCAPING AREA

FORMER STANDARD SERVICE STATION NO.1230

0 10 20ft

V13 DVE-2 DVE-1 (170) MW-6 (670) B-9 V3 V2 V1 V12 P1 P2 P3 DVE-6 (4,700) DVE-5 (2,600) DVE-4 (1,800) DVE-3 (1,800) TREATMENT SYSTEM ENCLOSURE FORMER DISPENSER ISLANDS V5 MW-3 V4 TX8 (560) TX5 (480) MW-2 V11 TX7 (520) TX4 (420) FORMER USTS V6 MW-7 (9,900) B-8 DVE-17 (8,500) TX1 (250) TX6 (990) B-6 TX2 (770) V7 TX3 (430) DVE-18 (380) MW-1 DVE-8 (2,700) V9 MW-4 (5,600) FORMER CHEVRON SERVICE STATION 9-0260 B-10 DVE-19 (790) DVE-20 (<1.0) MW-19 (860) DVE-9 CPT-5 (<1.0) V10 DVE-10 (44) DVE-12 CPT-6 (370) MW-5 (850) 100 CPT-4 (250) VP-1 (4.6) DVE-11 V8 VP-3 (9.3) DVE-13 MW-11 (11) MW-12 (360) VP-2 (<1.0)

CINDER BLOCK WALL

COMMERCIAL

RESIDENTIAL

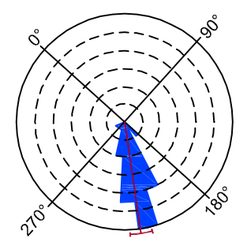
LANDSCAPING AREA

REX ROAD

MW-9 (1,400) DVE-14 (3,400) CPT-7 (69) DVE-7 (3,200) MW-8 (1,100) 1,000 DVE-15 (2,800) 100 DVE-16 (620) MW-13 (88)

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)
- 100 TPHg CONCENTRATION CONTOUR DASHED WHERE INFERRED
- (1,100) TPHg CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)



HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 7

TPHg CONCENTRATIONS IN SOIL 10.1 - 20 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA008 AUG 28/2012

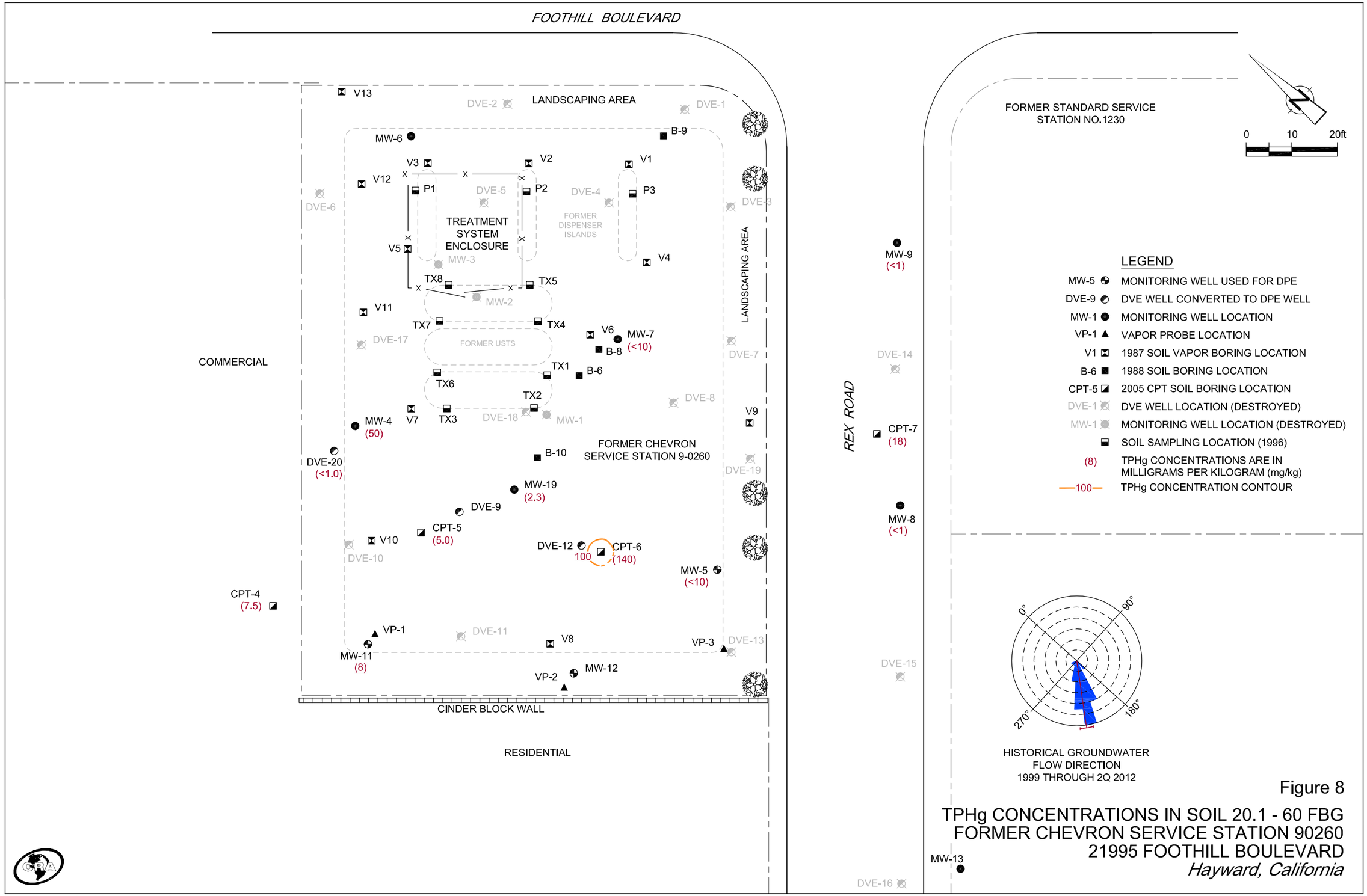


Figure 8

TPHg CONCENTRATIONS IN SOIL 20.1 - 60 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-EM008 AUG 31/2012

FOOTHILL BOULEVARD

COMMERCIAL

LANDSCAPING AREA

V13

DVE-2

DVE-1 (<0.005)

MW-6

B-9

V3

V2

V1

V12

P1 (4.3)

DVE-5

P2 (2.5)

DVE-4 (6.0)

P3 (<0.25)

DVE-6 (0.11)

TREATMENT SYSTEM ENCLOSURE

FORMER DISPENSER ISLANDS

DVE-3

V5

MW-3

V4

TX8

TX5

MW-2

V11

TX7

TX4

V6

MW-7

DVE-17 (<0.005)

FORMER USTS

B-8

DVE-7 (0.014)

TX1

B-6

TX6

TX2

DVE-8 (<0.005)

MW-4

V7

TX3

DVE-18 (<0.005)

MW-1

V9

FORMER CHEVRON SERVICE STATION 9-0260

B-10

DVE-19 (<0.005)

DVE-20 (<0.0005)

MW-19 (<0.0005)

DVE-9

CPT-5 (<0.0005)

V10

DVE-10

DVE-12

CPT-6 (<0.0005)

MW-5

CPT-4

VP-1 (<0.001)

DVE-11

V8

VP-3 (<0.001)

DVE-13

MW-11 (<0.05)

MW-12 (<0.05)

VP-2 (<0.001)

CINDER BLOCK WALL

RESIDENTIAL

REX ROAD

FORMER STANDARD SERVICE STATION NO.1230

0 10 20ft

MW-9 (26)

DVE-14

CPT-7 (<0.0005)

MW-8 (15)

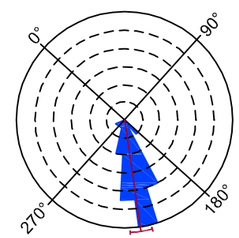
DVE-15 (<0.005)

DVE-16 (<0.005)

MW-13 (<0.05)

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)
- 10 BENZENE CONCENTRATION CONTOUR DASHED WHERE INFERRED
- (15) BENZENE CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)



HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 9

BENZENE CONCENTRATIONS IN SOIL 0 - 10 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA010 AUG 28/2012

FOOTHILL BOULEVARD

LANDSCAPING AREA

FORMER STANDARD SERVICE STATION NO.1230

0 10 20ft

V13 DVE-2 DVE-1 (0.51) MW-6 B-9 V3 V2 V1 V12 P1 DVE-5 (20) P2 DVE-4 (23) P3 DVE-6 (52) TREATMENT SYSTEM ENCLOSURE FORMER DISPENSER ISLANDS DVE-3 (5.6) V5 V4 MW-3 TX5 (1.5) TX8 (2.7) MW-2 V11 TX7 (1.3) TX4 (1.1) V6 MW-7 DVE-17 (110) 100 FORMER USTS DVE-7 (41) B-8 TX1 (0.44) TX6 (1.4) B-6 TX2 (1.8) DVE-18 (1.5) DVE-8 (11) MW-1 MW-4 V7 TX3 (1.1) V9 B-10 DVE-19 (3.3) DVE-20 (<0.0005) FORMER CHEVRON SERVICE STATION 9-0260 MW-19 (<0.062) DVE-9 CPT-5 (<0.0005) V10 DVE-10 (0.64) DVE-12 CPT-6 (0.34) MW-5 CPT-4 (<0.063) VP-1 (<0.001) DVE-11 V8 VP-3 (<0.001) DVE-13 MW-11 (1.1) VP-2 (<0.001) MW-12 (0.20)

CINDER BLOCK WALL

COMMERCIAL

RESIDENTIAL

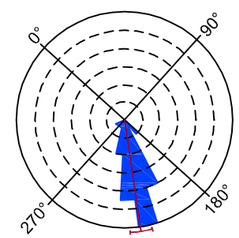
REX ROAD

MW-9 (5) DVE-14 (44) CPT-7 (<0.0005) MW-8 (55) DVE-15 (37) DVE-16 (6.0) MW-13 (0.59)

1 10

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)
- 10 BENZENE CONCENTRATION CONTOUR DASHED WHERE INFERRED
- (55) BENZENE CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)



HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 10

BENZENE CONCENTRATIONS IN SOIL 10.1 - 20 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA011 AUG 28/2012

FOOTHILL BOULEVARD

LANDSCAPING AREA

TREATMENT SYSTEM ENCLOSURE

FORMER DISPENSER ISLANDS

FORMER USTS

LANDSCAPING AREA

COMMERCIAL

FORMER CHEVRON SERVICE STATION 9-0260

CINDER BLOCK WALL

RESIDENTIAL

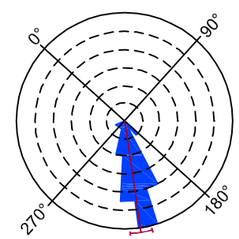
REX ROAD

FORMER STANDARD SERVICE STATION NO.1230

0 10 20ft

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)
- 1 BENZENE CONCENTRATION CONTOUR DASHED WHERE INFERRED
- (2.9) BENZENE CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)

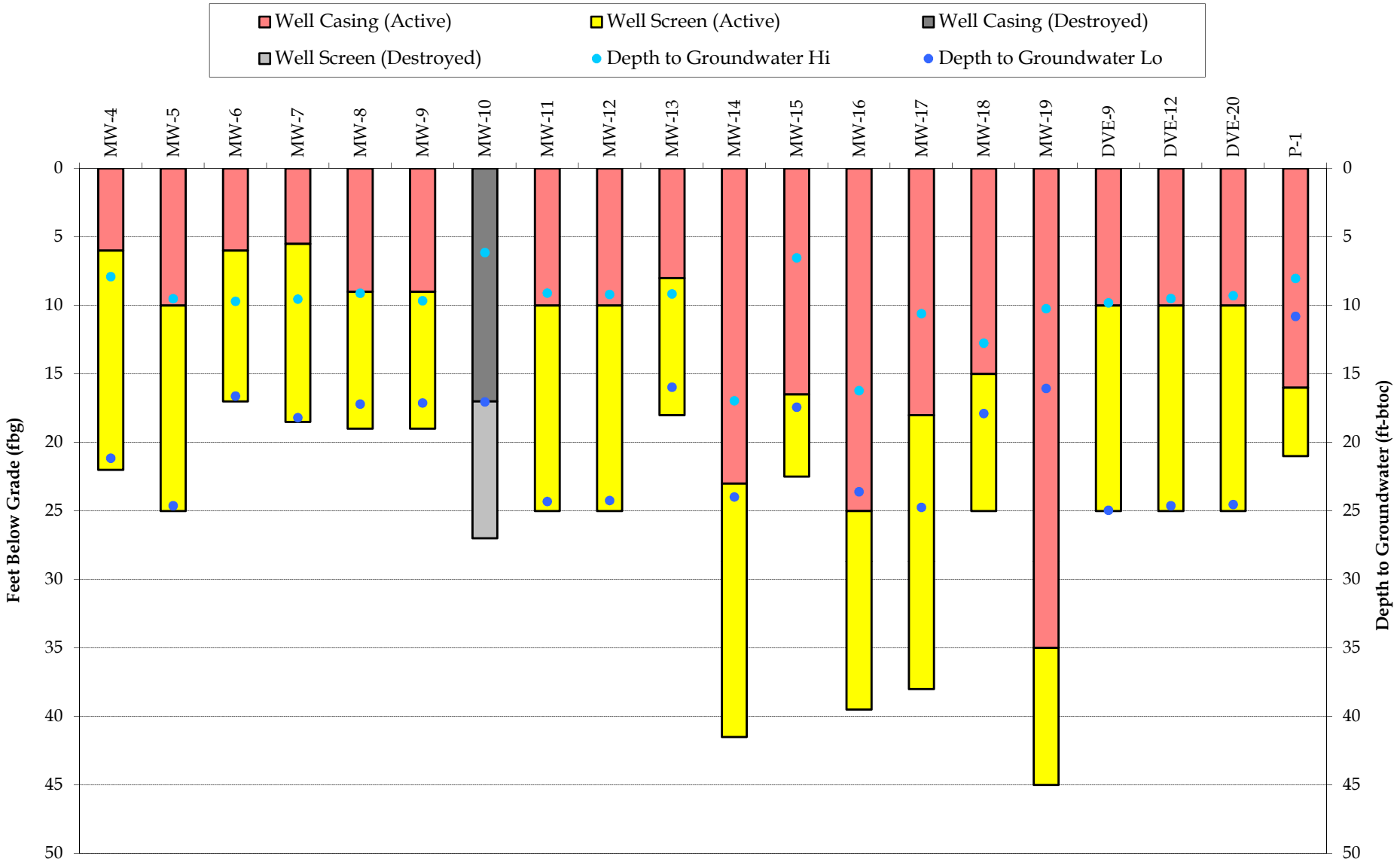


HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 11

BENZENE CONCENTRATIONS IN SOIL 20.1 - 60 FBG
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-WA012 AUG 28/2012



FIGURE

12

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

WELL CONSTRUCTION AND
DEPTH TO GROUNDWATER DATA

FOOTHILL BOULEVARD

MW-10

MEDIAN

TREATMENT SYSTEM ENCLOSURE

0 20 60ft

COMMERCIAL

FORMER CHEVRON SERVICE STATION 9-0260

FORMER STANDARD SERVICE STATION NO.1230

OAKVIEW AVENUE

RESIDENTIAL

REX ROAD

RIO VISTA STREET

RIO VISTA STREET

ACCESS ROAD

SAN LORENZO CREEK

	ELEV	TPHG	BENZ	MTBE
MW-6	91.33	<50	<0.5	<0.5
MW-7	90.94	<50	<0.5	140
MW-9	90.73	3,700	<1	<1
MW-4	90.77	7,600	3 J	<1
DVE-20	90.65	16,000	40 J	<10
DVE-9	90.35	5,600	100	66
MW-19*	87.75	16,000	5,000	180
DVE-12	90.10	41,000	360	13 J
MW-8	89.97	8,300	1 J	<1
MW-5	90.05	99,000	190 J	<25
MW-12	89.78	2,500	71	34
MW-11	90.11	2,400	12	<1
MW-13	86.81	5,600	12	<1
MW-18	85.84	20,000	24 J	<5
MW-15	IN			
MW-14	IN			
MW-16	83.08	6,800	130	5 J
P-1	80.01	<50	<0.5	11
MW-17**	83.48	SA		

90.0

88.0

86.0

84.0

82.0

0.01

LEGEND

- MONITORING WELL USED FOR DPE
- DVE WELL CONVERTED TO DPE WELL
- MONITORING WELL LOCATION
- DESTROYED MONITORING WELL LOCATION

WELL DESIGNATION
ELEV GROUNDWATER ELEVATION (MSL)
TPHG TPHg CONCENTRATION (µg/L)
BENZ BENZENE CONCENTRATION (µg/L)
MTBE MTBE CONCENTRATION (µg/L)

84.0 GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL), DASHED WHERE INFERRED

x.xx GROUNDWATER FLOW DIRECTION AND GRADIENT

* NOT USED FOR GROUNDWATER ELEVATION CONTOURING - SCREENED IN A DEEPER INTERVAL

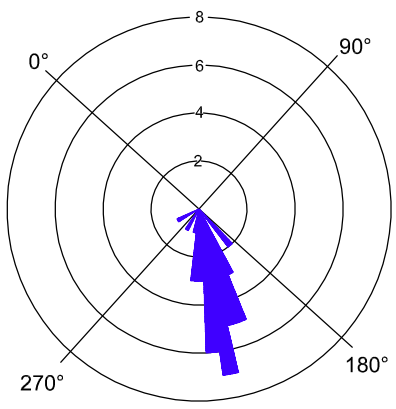
** NOT USED FOR GROUNDWATER ELEVATION CONTOURING - WELL IS ACROSS SAN LEANDRO CREEK

IN INACCESSIBLE

NS NOT SAMPLED

J ESTIMATED VALUE BETWEEN METHOD DETECTION LIMIT AND LABORATORY REPORTING LIMIT

SA SAMPLED ANNUALLY



HISTORIC GROUNDWATER FLOW DIRECTION
1999 THROUGH 2Q 2012

Figure 13

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California
June 21, 2012

311915-95(038)GN-EM013 AUG 30/2012

FOOTHILL BOULEVARD

COMMERCIAL

LANDSCAPING AREA

LANDSCAPING AREA

TREATMENT SYSTEM ENCLOSURE

FORMER DISPENSER ISLANDS

FORMER USTS

FORMER CHEVRON SERVICE STATION 9-0260

CINDER BLOCK WALL

RESIDENTIAL

REX ROAD

FORMER STANDARD SERVICE STATION NO.1230

0 10 20ft

V13 V12 V11 V10 V9 V8 V7 V6 V5 V4 V3 V2 V1

P1 P2 P3

TX8 TX7 TX6 TX5 TX4 TX3 TX2 TX1

MW-6 MW-4 MW-11 MW-19 MW-12 MW-3 MW-2 MW-7 MW-1 MW-5 MW-9 MW-8 MW-13

B-9 B-8 B-6 B-10

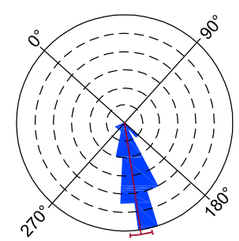
CPT-3 CPT-4 CPT-5 CPT-6 CPT-7

VP-1 VP-2 VP-3

DVE-1 DVE-2 DVE-3 DVE-4 DVE-5 DVE-6 DVE-7 DVE-8 DVE-9 DVE-10 DVE-11 DVE-12 DVE-13 DVE-14 DVE-15 DVE-16 DVE-17 DVE-18 DVE-19 DVE-20

LEGEND

- MW-5 MONITORING WELL USED FOR DPE
- DVE-9 DVE WELL CONVERTED TO DPE WELL
- MW-1 MONITORING WELL LOCATION
- VP-1 VAPOR PROBE LOCATION
- V1 1987 SOIL VAPOR BORING LOCATION
- B-6 1988 SOIL BORING LOCATION
- CPT-5 2005 CPT SOIL BORING LOCATION
- DVE-1 DVE WELL LOCATION (DESTROYED)
- MW-1 MONITORING WELL LOCATION (DESTROYED)
- SOIL SAMPLING LOCATION (1996)
- PROPOSED CPT BORING LOCATION



HISTORICAL GROUNDWATER FLOW DIRECTION 1999 THROUGH 2Q 2012

Figure 14

PROPOSED BORING LOCATIONS
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-EM014 AUG 30/2012

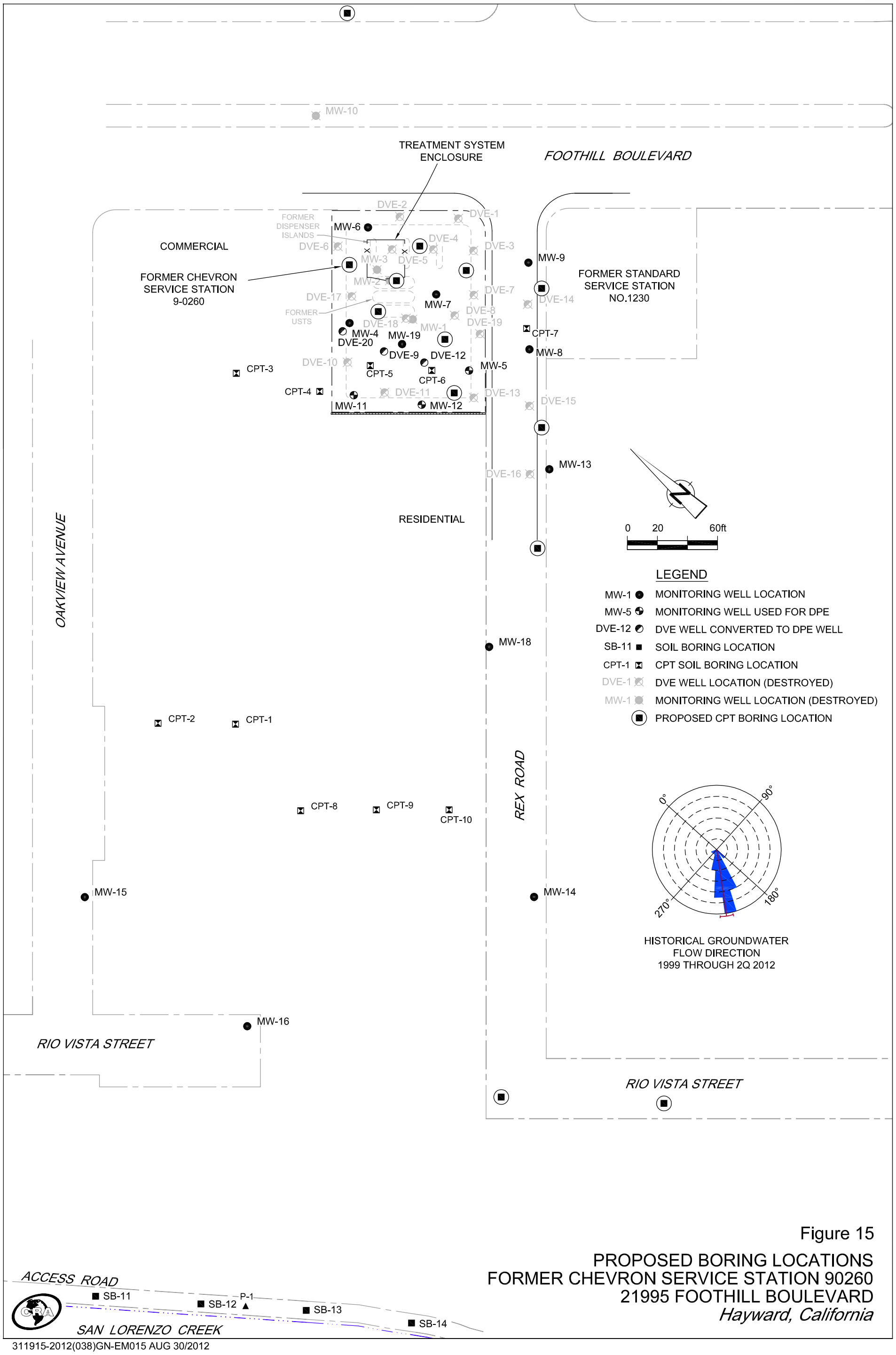


Figure 15

PROPOSED BORING LOCATIONS
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
Hayward, California

311915-2012(038)GN-EM015 AUG 30/2012

TABLES

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
Monitoring Well Installation and Soil Boring Investigations															
MW-19	05/08/06	6.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
MW-19	05/08/06	10.5	1.2	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	0.04	<0.001	<0.001	<0.001	--
MW-19	05/08/06	15.5	**860**	<0.062	<0.12	0.22	2.1	<0.062	<0.12	<0.12	<2.5	<0.12	<0.12	<0.12	--
MW-19	05/08/06	20.5	2.3	<0.0005	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.022	<0.001	<0.001	<0.001	--
MW-19	05/08/06	25.5	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0007	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
MW-19	05/08/06	30.5	2.3	<0.0005	<0.001	<0.001	<0.001	0.0006	<0.001	<0.001	0.046	<0.001	<0.001	<0.001	--
MW-19	05/08/06	35.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0008	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
MW-19	05/08/06	40.5	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0006	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
MW-19	05/08/06	45.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
DVE-20	05/08/06	6.0	<1.0	<0.0005	0.001	<0.001	0.001	0.0008	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
DVE-20	05/08/06	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
DVE-20	05/08/06	20.5	<1.0	<0.0005	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
DVE-20	05/08/06	25.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-14	09/21/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-14	09/21/05	16.0	<1.0	<0.0005	<0.001	<0.001	<0.001	0.003	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-13	09/21/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-13	09/21/05	15.5	<1.0	<0.0005	<0.001	<0.001	0.001	0.005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
SB-12	09/21/05	5.0	2.3	0.001	0.001	<0.001	0.015	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-12	09/21/05	16.0	48	0.033	0.032	0.35	1.5	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-11	09/20/05	4.0	<1.0	<0.0005	0.001	<0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-11	09/20/05	12.0	11	0.003	<0.001	0.014	0.004	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-11	09/20/05	13.5	25	0.004	0.001	0.024	0.009	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
SB-11	09/20/05	27.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-10	08/17/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-10	08/17/05	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-10	08/17/05	20.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-10	08/17/05	46.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-10	08/17/05	56.0	<1.0	0.002	0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	18.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	24.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	29.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	47.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/16/05	57.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-9	08/15/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
CPT-8	08/15/05	5.0	<1.0	<0.0005	<0.001	<0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	11.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	14.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	21.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	32.0	<1.0	0.001	<0.001	0.002	0.003	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	47.0	<1.0	0.001	<0.001	0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-8	08/15/05	57.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-2	06/17/05	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-2	06/17/05	15.5	46	<0.0005	<0.001	0.003	0.006	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-2	06/17/05	20.5	**660**	<0.063	<0.13	**4.5**	**20**	<0.063	<0.13	<0.13	<2.5	<0.13	<0.13	<0.13	--
CPT-2	06/17/05	25.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-2	06/17/05	29.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	9.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	14.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	20.5	5.0	<0.0005	<0.001	<0.001	0.002	0.006	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	24.5	<1.0	<0.0005	<0.001	<0.001	<0.001	**0.023**	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	29.5	1.1	0.0008	<0.001	<0.001	0.001	<0.0005	<0.001	<0.001	0.022	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	34.5	<1.0	<0.0005	<0.001	<0.001	<0.001	0.0009	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
CPT-5	06/16/05	40.5	<1.0	<0.0005	<0.001	<0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	44.5	<1.0	<0.0005	<0.001	<0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	49.5	<1.0	<0.0005	<0.001	<0.001	0.002	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	54.5	2.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-5	06/16/05	59.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	9.5	<1.0	<0.0005	<0.001	<0.001	0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	14.5	**100**	0.003	0.003	0.029	0.082	**0.030**	<0.001	<0.001	**0.13**	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	19.5	**370**	**0.34**	**7.5**	**5.6**	**32**	<0.062	<0.12	<0.12	<2.5	<0.12	<0.12	<0.12	--
CPT-6	06/16/05	24.5	3.9	0.0006	0.002	0.002	0.016	<0.0005	<0.001	<0.001	0.047	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	29.5	75	<0.062	0.52	1.5	**9.7**	<0.062	<0.12	<0.12	<2.5	<0.12	<0.12	<0.12	--
CPT-6	06/16/05	34.5	**140**	<0.062	0.44	1.4	**9.1**	<0.062	<0.12	<0.12	<2.5	<0.12	<0.12	<0.12	--
CPT-6	06/16/05	40.5	6.9	0.0005	0.004	0.002	0.017	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	44.5	2.4	<0.0005	0.001	<0.001	0.007	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	49.5	17	0.004	0.030	0.029	0.22	0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	54.5	15	<0.0005	0.001	0.001	0.011	0.0009	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-6	06/16/05	59.5	17	<0.0005	0.001	<0.001	0.006	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-7	06/15/05	5.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-7	06/15/05	11.5	69	<0.0005	<0.001	<0.001	0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
CPT-7	06/15/05	22.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-7	06/15/05	33.5	<1.0	<0.0005	0.006	0.002	0.014	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-7	06/15/05	40.5	18	<0.0005	0.003	0.002	0.021	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-7	06/15/05	49.5	7.0	<0.0005	0.015	0.013	0.11	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-4	06/15/05	18.5	**250**	<0.063	<0.13	0.82	2.1	<0.063	<0.13	<0.13	<2.5	<0.13	<0.13	<0.13	--
CPT-4	06/15/05	30.5	<1.0	0.021	<0.001	<0.001	0.001	0.0006	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-4	06/15/05	38.5	7.5	0.001	<0.001	0.002	0.003	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-4	06/15/05	55.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-3	06/14/05	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-3	06/14/05	18.5	26	<0.0005	<0.001	<0.001	0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-3	06/14/05	28.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-3	06/14/05	38.5	<1.0	0.022	0.003	0.004	0.014	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-3	06/14/05	55.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-1	06/13/05	15.0	**550**	<0.062	<0.12	1.3	**9.4**	<0.062	<0.12	<0.12	<2.5	<0.12	<0.12	<0.12	--
CPT-1	06/13/05	21.5	**190**	<0.063	<0.13	2.6	**11**	<0.063	<0.13	<0.13	<2.5	<0.13	<0.13	<0.13	--
CPT-1	06/13/05	31.0	<1.0	0.003	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
CPT-1	06/13/05	38.0	<1.0	<0.0005	<0.001	<0.001	0.002	0.016	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	--
VP-3	07/31/03	3.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
VP-3	07/31/03	10.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-3	07/31/03	13	9.3	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-2	07/31/03	3.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-2	07/31/03	8.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-2	07/31/03	12.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-1	07/31/03	3.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-1	07/31/03	8.5	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
VP-1	07/31/03	12.5	4.6	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--
DVE-19	03/12/99	5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-19	03/12/99	10	61	<0.005	<0.005	0.22	0.32	--	--	--	--	--	--	--	--
DVE-19	03/12/99	15	**790**	**3.3**	2.8	1.2	**51**	--	--	--	--	--	--	--	--
DVE-18	03/12/99	5	<1	<0.005	<0.005	<0.005	0.0094	--	--	--	--	--	--	--	--
DVE-18	03/12/99	10	<1	<0.005	<0.005	<0.005	0.0086	--	--	--	--	--	--	--	--
DVE-18	03/12/99	15	**380**	**1.5**	1.5	1.3	**12**	--	--	--	--	--	--	--	--
DVE-17	03/12/99	5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-17	03/12/99	10	21	<0.005	0.03	0.053	0.33	--	--	--	--	--	--	--	--
DVE-17	03/12/99	15	**8,500**	**110**	**320**	**170**	**980**	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
DVE-8	07/18/97	5.0	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-8	07/18/97	10.3	**2,700**	**11**	**65**	**39**	**210**	--	--	--	--	--	--	--	--
DVE-8	07/18/97	14.3	**470**	**6.3**	**16**	**7.5**	**41**	--	--	--	--	--	--	--	--
DVE-7	07/18/97	5.3	3.1	0.014	0.017	0.0082	0.021	--	--	--	--	--	--	--	--
DVE-7	07/18/97	10.3	41	**0.33**	0.95	0.56	**3.4**	--	--	--	--	--	--	--	--
DVE-7	07/18/97	15.3	**3,200**	**41**	**180**	**42**	**210**	--	--	--	--	--	--	--	--
DVE-4	07/18/97	4.8	43	**0.22**	0.18	0.79	**3.2**	--	--	--	--	--	--	--	--
DVE-4	07/18/97	9.8	**660**	**6.0**	2.6	**8.1**	**30**	--	--	--	--	--	--	--	--
DVE-4	07/18/97	14.3	**1,800**	**23**	**50**	**24**	**120**	--	--	--	--	--	--	--	--
DVE-3	07/18/97	10.3	**190**	**2.0**	**5.6**	3.1	**16**	--	--	--	--	--	--	--	--
DVE-3	07/18/97	15.3	**1,800**	**5.6**	**8.4**	**23**	**140**	--	--	--	--	--	--	--	--
DVE-13	07/17/97	10.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-13	07/17/97	15.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-12	07/17/97	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-12	07/17/97	15.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-11	07/17/97	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-11	07/17/97	15.3	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
DVE-10	07/17/97	10.3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-10	07/17/97	15.3	44	**0.64**	0.21	0.57	**2.5**	--	--	--	--	--	--	--	--
DVE-9	07/17/97	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-9	07/17/97	10.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-9	07/17/97	19.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-2	07/17/97	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-2	07/17/97	10.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-2	07/17/97	15.3	--	--	--	--	--	--	--	--	--	--	--	--	--
DVE-1	07/17/97	5.3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-1	07/17/97	10.3	13	0.022	0.030	0.028	<0.005	--	--	--	--	--	--	--	--
DVE-1	07/17/97	15.5	**170**	**0.51**	0.80	0.45	0.20	--	--	--	--	--	--	--	--
DVE-16	07/16/97	5.7	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-16	07/16/97	10.8	**620**	**6.0**	**7.7**	**7.3**	**58**	--	--	--	--	--	--	--	--
DVE-16	07/16/97	15.8	**130**	**1.3**	1.8	1.7	**8.1**	--	--	--	--	--	--	--	--
DVE-15	07/16/97	5.8	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
DVE-15	07/16/97	10.8	**2,800**	**37**	**87**	**36**	**240**	--	--	--	--	--	--	--	--
DVE-15	07/16/97	14.5	56	**2.0**	**5.0**	1.1	**6.4**	--	--	--	--	--	--	--	--

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CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Lead
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
DVE-14	07/16/97	10.3	**3,400**	**44**	**180**	**60**	**330**	--	--	--	--	--	--	--	--
DVE-14	07/16/97	14.8	**2,400**	**18**	**120**	**40**	**210**	--	--	--	--	--	--	--	--
DVE-6	07/16/97	5.8	**100**	**0.11**	0.19	0.99	0.73	--	--	--	--	--	--	--	--
DVE-6	07/16/97	10.3	**190**	**0.68**	1.4	3.2	**11**	--	--	--	--	--	--	--	--
DVE-6	07/16/97	15.3	**4,700**	**52**	**250**	**82**	**390**	--	--	--	--	--	--	--	--
DVE-5	07/16/97	10.3	**930**	**8.6**	**19**	**15**	**76**	--	--	--	--	--	--	--	--
DVE-5	07/16/97	15.3	**2,600**	**20**	**25**	**31**	**220**	--	--	--	--	--	--	--	--
MW-18	07/16/97	5.3	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-18	07/16/97	10.8	**98**	**0.084**	0.16	0.33	**3.2**	--	--	--	--	--	--	--	--
MW-18	07/16/97	15.8	**210**	**0.98**	0.90	2.2	**12**	--	--	--	--	--	--	--	--
MW-18	07/16/97	20.8	8.3	**0.36**	0.16	<0.005	0.18	--	--	--	--	--	--	--	--
UST and Product Line Excavation Sampling															
TX1	10/07/96	12.5	**250**	**0.44**	2.0	3.2	**16**	**12**	--	--	--	--	--	--	7.7
TX2	10/07/96	12.5	**770**	**1.8**	**5.4**	**10**	**54**	**24**	--	--	--	--	--	--	8.0
TX3	10/07/96	12.5	**430**	**1.1**	1.4	**7.1**	**27**	**8.1**	--	--	--	--	--	--	6.7

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CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
TX4	10/07/96	12	**420**	**1.1**	0.78	1.9	**12**	**32**	--	--	--	--	--	--	5.8
TX5	10/07/96	12	**480**	**1.5**	**6.5**	**4.2**	**23**	**110**	--	--	--	--	--	--	11
TX6	10/07/96	12	**990**	**1.4**	**9.1**	**9.9**	**65**	**28**	--	--	--	--	--	--	5.9
TX7	10/07/96	12	**520**	**1.3**	**3.0**	**5.6**	**28**	**79**	--	--	--	--	--	--	7.1
TX8	10/07/96	12	**560**	**2.7**	**16.0**	**6.7**	**36**	**64**	--	--	--	--	--	--	6.5
P1	10/07/96	4	**1,100**	**4.3**	**3.2**	**19**	**95**	**13**	--	--	--	--	--	--	9.3
P2	10/07/96	4	**3,700**	**2.5**	**12**	**55**	**180**	**19**	--	--	--	--	--	--	9.6
P3	10/07/96	4	**380**	<0.25	1.7	**4.6**	**9.3**	<1.2	--	--	--	--	--	--	9.4
Monitoring Well Installation and Soil Boring Investigations															
MW-17 (BH-T)	08/04/92	5.5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-17 (BH-T)	08/04/92	10.5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-17 (BH-T)	08/04/92	15	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-17 (BH-T)	08/04/92	20	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-17 (BH-T)	08/04/92	25.5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-17 (BH-T)	08/04/92	28.5	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-1 (BH-U)	08/04/92	5.5	37	**0.58**	0.89	1.5	**6.8**	--	--	--	--	--	--	--	--
P-1 (BH-U)	08/04/92	10.5	2	**0.40**	0.008	0.010	0.35	--	--	--	--	--	--	--	--
P-1 (BH-U)	08/04/92	15.5	<1	0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

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21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
P-1 (BH-U)	08/04/92	18.5	<1	0.062	<0.005	0.007	0.030	--	--	--	--	--	--	--	--
MW-16 (BH-K)	08/16/90	9.4	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-16 (BH-K)	08/16/90	14.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-16 (BH-K)	08/16/90	18.2	**97**	**0.11**	0.22	0.46	**3.0**	--	--	--	--	--	--	--	--
MW-16 (BH-K)	08/16/90	21.3	30	**0.96**	2.1	0.39	**2.5**	--	--	--	--	--	--	--	--
MW-16 (BH-K)	08/16/90	24.3	3	**0.17**	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-15 (BH-J)	08/16/90	10.3	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-15 (BH-J)	08/16/90	17.8	3	<0.05	<0.05	<0.05	0.09	--	--	--	--	--	--	--	--
MW-15 (BH-J)	08/16/90	20.3	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-14 (BH-H)	08/15/90	14.3	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-14 (BH-H)	08/15/90	17.3	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-14 (BH-H)	08/15/90	19.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-14 (BH-H)	08/15/90	22.8	**110**	<0.05	0.15	<0.05	0.12	--	--	--	--	--	--	--	--
MW-12 (BH-B)	06/07/89	5.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-12 (BH-B)	06/07/89	10.8	**360**	**0.20**	1.6	1.8	**11**	--	--	--	--	--	--	--	--
MW-12 (BH-B)	06/07/89	15.5	58	**0.20**	0.18	0.30	1.7	--	--	--	--	--	--	--	--
MW-13 (BH-C)	06/06/89	5.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--

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Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
MW-13 (BH-C)	06/06/89	10.8	**88**	<0.05	0.15	0.16	**2.5**	--	--	--	--	--	--	--	--
MW-13 (BH-C)	06/06/89	15.8	6	**0.59**	0.82	0.09	0.43	--	--	--	--	--	--	--	--
MW-11 (BH-A)	06/06/89	5.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-11 (BH-A)	06/06/89	10.8	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--	--	--	--	--
MW-11 (BH-A)	06/06/89	15.8	11	**1.1**	0.11	0.12	0.65	--	--	--	--	--	--	--	--
MW-11 (BH-A)	06/06/89	20.5	8	**2.9**	1.1	0.15	0.58	--	--	--	--	--	--	--	--
MW-10 (BH-C)	10/18/88	20.5	<1	<0.04	<0.02	<0.03	<0.04	--	--	--	--	--	--	--	--
MW-10 (BH-C)	10/18/88	25.5	<1	<0.04	<0.02	<0.03	<0.04	--	--	--	--	--	--	--	--
MW-9 (BH-B)	10/17/88	10	**300**	**26**	**120**	**38**	**190**	--	--	--	--	--	--	--	--
MW-9 (BH-B)	10/17/88	14.8	**1,400**	**5**	**11**	**56**	**280**	--	--	--	--	--	--	--	--
MW-9 (BH-B)	10/17/88	21.8	<1	<0.04	<0.02	<0.03	<0.04	--	--	--	--	--	--	--	--
MW-8 (BH-A)	10/17/88	10	**780**	**15**	**58**	1	**140**	--	--	--	--	--	--	--	--
MW-8 (BH-A)	10/17/88	14.8	**1,100**	**55**	**160**	**43**	**290**	--	--	--	--	--	--	--	--
MW-8 (BH-A)	10/17/88	21.5	<1	**0.23**	0.05	0.13	0.16	--	--	--	--	--	--	--	--
MW-7 (B-11)	01/22/88	5	**930**	--	--	--	--	--	--	--	--	--	--	--	--
MW-7 (B-11)	01/22/88	9.7	<10	--	--	--	--	--	--	--	--	--	--	--	--
MW-7 (B-11)	01/22/88	15.5	**9,900**	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2-DCA*	*EDB*	*Lead*
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
MW-7 (B-11)	01/22/88	22.5	<10	--	--	--	--	--	--	--	--	--	--	--	--
B-9	01/22/88	7.7	<10	--	--	--	--	--	--	--	--	--	--	--	--
B-9	01/22/88	9.5	**140**	--	--	--	--	--	--	--	--	--	--	--	--
B-10	01/22/88	4	<10	--	--	--	--	--	--	--	--	--	--	--	--
B-10	01/22/88	10	**320**	--	--	--	--	--	--	--	--	--	--	--	--
MW-6 (B-7)	01/21/88	5.3	<10	--	--	--	--	--	--	--	--	--	--	--	--
MW-6 (B-7)	01/21/88	9.5	28	--	--	--	--	--	--	--	--	--	--	--	--
MW-6 (B-7)	01/21/88	14.7	**670**	--	--	--	--	--	--	--	--	--	--	--	--
MW-6 (B-7)	01/21/88	19	**150**	--	--	--	--	--	--	--	--	--	--	--	--
B-8	01/21/88	5	12	--	--	--	--	--	--	--	--	--	--	--	--
B-6	01/21/88	4.5	**740**	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-5)	01/20/88	6	<10	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-5)	01/20/88	10	**820**	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-5)	01/20/88	19.5	**850**	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-5)	01/20/88	24	<10	--	--	--	--	--	--	--	--	--	--	--	--
MW-4 (B-4)	01/20/88	10	<10	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Lead
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***
MW-4 (B-4)	01/20/88	16	**5,600**	--	--	--	--	--	--	--	--	--	--	--	--
MW-4 (B-4)	01/20/88	21	50	--	--	--	--	--	--	--	--	--	--	--	--
MW-4 (B-4)	01/20/88	25	<10	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M
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), di-isopropyl ether (DIPE), t-Amyl methyl ether (TAME), t-Butyl alcohol (TBA), ethyl t-butyl ether (ETBE), 1,2-Dichloroethane (1,2 DCA) and 1,2-Dibromoethane (EDB) by EPA Method 8260B
<x = Not detected above method detection limit
-- = Not analyzed
fbg = Feet below grade
bold = Indicates concentrations exceeded applicable ESLs

ESLs - Environmental screening levels

[1] = Table A - Enviornmental Screening Levels, Shallow Soils (<3m bgs) for residential soil where drinking water is a current or potential drinking water resource from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

[2] = Table C - Enviornmental Screening Levels, Deep Soils (>3m bgs) for residential soil where drinking water is a current or potential drinking water resource from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	DIPE	TAME	TBA	ETBE	1,2-DCA	EDB	Lead
			Concentrations reported in milligrams per kilogram (mg/kg)												
ESLs - Shallow, Residential soil [1]			***83***	***0.044***	***2.9***	***2.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***200***
ESLs - Deep, Residential soil [2]			***83***	***0.044***	***2.9***	***3.3***	***2.3***	***0.023***	***NE***	***NE***	***0.075***	***NE***	***0.0045***	***0.00033***	***750***
ESLs - Construction/Trench Workers [3]			***4,200***	***12***	***650***	***210***	***420***	***2,800***	***NE***	***NE***	***320,000***	***NE***	***21***	***1.7***	***750***

[2] = Table K-3 - Direct Exposure Soil Screening Levels for Construction/Trench Worker Exposure Scenario from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-4	02/05/1988	-	-	-	-	-	88,000	24,000	19,000	1,700	10,000	-	-	-
MW-4	06/15/1988	-	12.92	87.83	-	-	95,000	45,000	30,000	2,100	17,000	-	-	-
MW-4	09/27/1988[1]	100.75	14.22	86.53	-	-	500,000 / 88,000	41,000 / 1,200	27,000 / 4,100	<5,000 / 1,600	16,000 / 12,000	-	<5,000 / 230	270
MW-4	01/05/1989	100.75	13.20	87.55	-	-	64,000	41,000	29,000	2,700	14,000	-	-	-
MW-4	04/06/1989	100.75	12.32	88.43	-	-	-	-	-	-	-	-	-	-
MW-4	06/28/1989	100.75	14.25	86.50	-	-	110,000	34,000	24,000	2,400	13,000	-	-	-
MW-4	10/03/1989	100.75	14.75	86.00	-	-	240,000	36,000	31,000	3,200	19,000	-	-	-
MW-4	01/04/1990	100.75	14.75	86.00	-	-	130,000	33,000	28,000	2,400	14,000	-	-	-
MW-4	04/03/1990	100.75	13.81	86.94	-	-	110,000	41,000	32,000	2,900	17,000	-	-	-
MW-4	07/03/1990	100.75	14.06	86.69	-	-	180,000	32,000	30,000	2,600	15,000	-	-	-
MW-4	11/06/1990	100.75	15.66	85.09	-	-	170,000	31,000	30,000	2,700	17,000	-	-	-
MW-4	01/04/1991	100.75	15.18	85.87	-	-	-	-	-	-	-	-	-	-
MW-4	04/03/1991	100.75	11.00	89.75	-	-	130,000	21,000	24,000	2,300	14,000	-	-	-
MW-4	07/02/1991	100.75	14.25	86.50	-	-	-	-	-	-	-	-	-	-
MW-4	10/02/1991	100.75	16.16	84.59	-	-	240,000	27,000	33,000	2,600	16,000	-	-	-
MW-4	01/02/1992	100.75	15.26	85.49	-	-	-	-	-	-	-	-	-	-
MW-4	04/07/1992	100.75	12.38	88.37	-	-	-	-	-	-	-	-	-	-
MW-4	08/13/1992	100.75	16.68	84.05	-	-	-	-	-	-	-	-	-	-
MW-4	12/03/1992	100.73	16.17	84.58	-	-	1,300,000	17,000	41,000	12,000	90,000	-	-	-
MW-4	03/25/1993	100.73	10.50	90.23	-	-	-	-	-	-	-	-	-	-
MW-4	10/04/1994	100.73	12.84	87.89	-	-	-	-	-	-	-	-	-	-
MW-4	11/14/1994[3]	100.73	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/15/1995	100.73	11.37	89.36	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-4	08/04/1995	100.73	12.30	88.43	-	-	-	-	-	-	-	-	-	-
MW-4	11/28/1995	100.73	14.65	86.08	-	-	97,000	23,000	18,000	1,400	8,800	430	-	-
MW-4	02/20/1996[28]	100.73	7.90	92.83	-	-	-	-	-	-	-	-	-	-
MW-4	05/29/1996	100.73	11.00	89.73	-	-	59,000	11,000	11,000	740	4,400	<500	-	-
MW-4	08/27/1996	100.73	13.24	87.49	-	-	-	-	-	-	-	-	-	-
MW-4	11/22/1996	100.73	11.50	89.23	-	-	130,000	20,000	14,000	1,200	7,000	21,000	-	-
MW-4	02/18/1997	100.73	9.47	91.26	-	-	-	-	-	-	-	-	-	-
MW-4	05/23/1997[4]	100.73	12.63	88.10	-	-	120,000	23,000	21,000	1,400	8,400	50,000	-	-
MW-4	08/04/1997	100.73	13.22	87.51	-	-	120,000	25,000	22,000	1,600	8,000	15,000	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-4	11/25/1997[5]	100.73	13.90	86.83	-	-	460,000	44,000	45,000	4,000	19,000	290,000	-	-
MW-4	02/25/1998[28]	100.73	13.70	87.03	-	-	-	-	-	-	-	-	-	-
MW-4	05/21/1998	100.73	11.99	88.74	-	-	100,000	11,000	8,600	720	4,200	3,100	-	-
MW-4	08/19/1998	100.73	20.03	80.70	-	-	-	-	-	-	-	-	-	-
MW-4	11/19/1998	100.73	19.68	81.05	-	-	51,000	5,200	8,900	1,200	6,400	1,600	-	-
MW-4	02/12/1999	100.73	13.21	87.52	-	-	-	-	-	-	-	-	-	-
MW-4	05/10/1999	100.73	12.74	87.99	-	-	68,800	9,680	11,500	1,450	7,700	2,080 / 328[7]	-	-
MW-4	09/02/1999	100.73	15.59	85.14	-	-	-	-	-	-	-	-	-	-
MW-4	02/03/2000	100.73	12.90	87.83	-	-	-	-	-	-	-	-	-	-
MW-4	05/09/2000[15]	100.73	12.72	88.01	0.00	0.00	3,400[8]	24	<10	<10	890	430	-	-
MW-4	08/02/2000[15,28]	100.73	14.55	86.18	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/09/2000[15]	100.73	15.39	85.34	0.00	0.00	66,700	13,900	12,400	1,460	7,940	<250	-	-
MW-4	02/08/2001[15]	100.73	15.74	84.99	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/02/2001[15]	100.73	16.49	84.24	0.00	0.00	490,000	2,990	<5,000	<5,000	8,660	18.8	-	-
MW-4	08/28/2001[15,28]	100.73	17.96	82.77	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/26/2001[15]	100.73	15.30	85.43	0.00	0.00	39,000	2,700	2,900	1,200	5,700	<100	-	-
MW-4	02/22/2002[15,28]	100.73	11.89	88.84	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/24/2002[15]	100.73	15.21	85.52	0.00	0.00	55,000	4,300	4,900	1,700	9,900	<100	-	-
MW-4	08/29/2002[15,28]	100.73	15.72	85.01	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/29/2002[15]	100.73	15.23	85.50	0.00	0.00	39,000	3,600	4,200	1,500	7,300	<50	-	-
MW-4	02/28/2003[28]	100.73	11.70	89.03	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/30/2003[17]	100.73	12.39	88.34	0.00	0.00	51,000	4,400	5,200	1,300	7,000	5	-	-
MW-4	08/22/2003[28]	100.73	14.55	86.18	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/24/2003[17]	100.73	14.97	85.76	0.00	0.00	50,000	3,500	6,300	1,400	7,200	1	-	-
MW-4	02/27/2004[28]	100.73	10.95	89.78	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	06/21/2004[17]	100.73	14.60	86.13	0.00	0.00	61,000	3,900	11,000	2,000	11,000	<10	-	-
MW-4	08/26/2004[28]	100.73	15.47	85.26	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/29/2004[17]	100.73	15.09	85.64	0.00	0.00	61,000	1,900	5,000	1,700	8,600	<5	-	-
MW-4	02/11/2005[35]	100.73	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/16/2005[17]	100.73	12.05	88.68	0.00	0.00	45,000	1,700	6,300	1,300	6,800	<5	-	-
MW-4	08/31/2005[28]	100.73	11.96	88.77	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/30/2005[17]	100.73	15.19	85.54	0.00	0.00	56,000	2,200	7,800	1,400	8,100	<10	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-4	02/27/2006[28]	100.73	11.62	89.11	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/30/2006[17]	100.73	11.47	89.26	0.00	0.00	36,000	1,200	6,000	1,100	5,700	6	-	-
MW-4	08/29/2006[28]	100.73	13.82	86.91	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	12/13/2006[17]	100.73	12.51	88.22	0.00	0.00	59,000	1,600	10,000	1,900	10,000	<10	-	-
MW-4	02/28/2007[28]	100.73	10.37	90.36	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/30/2007[17]	100.73	13.77	86.96	0.00	0.00	550	9	70	12	58	<0.5	-	-
MW-4	08/29/2007[28]	100.73	16.89	83.84	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/21/2007[17]	103.89	14.77	89.12	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-4	02/20/2008[28]	103.89	12.36	91.53	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/21/2008[17]	103.89	13.72	90.17	0.00	0.00	17,000	88	1,200	740	4,600	5	-	-
MW-4	06/24/2008[17]	103.89	14.15	89.74	0.00	0.00	27,000	190	4,100	1,100	6,100	9	-	-
MW-4	08/22/2008[28]	103.89	18.82	85.07	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/21/2008[34]	103.89	22.15	81.74	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	02/03/2009[28]	103.89	21.55	82.34	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/28/2009	103.89	21.42	82.47	0.00	0.00	10,000	110	260	200	1,600	5	-	-
MW-4	08/06/2009	103.89	15.68	88.21	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	11/16/2009	103.89	20.73	83.16	0.00	0.00	20,000	36	290	490	3,500	<3	-	-
MW-4	02/02/2010	103.89	10.42	93.47	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/20/2010	103.89	11.21	92.68	0.00	0.00	19,000	35	460	680	3,800	2 J	-	-
MW-4	08/23/2010[28]	103.89	14.08	89.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	12/07/2010	103.89	12.90	90.99	0.00	0.00	19,000	23	330	700	2,600	<3	-	-
MW-4	02/03/2011[28]	103.89	11.89	92.00	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	05/06/2011	103.89	11.03	92.86	0.00	0.00	3,500	3	55	120	490	<0.5	-	-
MW-4	09/16/2011[28]	103.89	13.83	90.06	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	12/06/2011[28]	103.89	14.17	89.72	0.00	0.00	5,600	1 J	27	150	600	<1	-	-
MW-4	03/16/2012[28]	103.89	13.00	90.89	0.00	0.00	-	-	-	-	-	-	-	-
MW-4	**06/21/2012**	**103.89**	**13.12**	**90.77**	**0.00**	**0.00**	**7,600**	**3 J**	**69**	**230**	**930**	**<1**	**-**	**<1**
MW-5	02/05/1988	-	-	-	-	-	80,000	16,000	15,000	2,600	17,000	-	-	-
MW-5	06/15/1988	-	12.30	87.67	-	-	77,000	42,000	38,000	2,500	16,000	-	-	-
MW-5	09/27/1988[1]	99.97	13.25	86.72	-	-	470,000 / 48,000	39,000 / 1,800	32,000 /3,500	<5,000 / 1,600	16,000 /10,000	-	<5,000 / 420	410
MW-5	01/05/1989	99.97	12.70	87.27	-	-	82,000	44,000	37,000	2,400	14,000	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	04/06/1989	99.97	12.22	87.75	-	-	-	-	-	-	-	-	-	-
MW-5	06/28/1989	99.97	13.81	86.16	-	-	80,000	36,000	24,000	2,400	13,000	-	-	-
MW-5	10/03/1989	99.97	14.27	85.70	-	-	240,000	40,000	35,000	2,600	15,000	-	-	-
MW-5	01/04/1990	99.97	14.31	85.66	-	-	130,000	37,000	31,000	2,400	13,000	-	-	-
MW-5	04/03/1990	99.97	13.50	86.47	-	-	120,000	41,000	33,000	2,500	14,000	-	-	-
MW-5	07/03/1990	99.97	13.64	86.33	-	-	200,000	28,000	25,000	1,800	10,000	-	-	-
MW-5	11/06/1990	99.97	15.14	84.83	-	-	370,000	38,000	36,000	4,700	31,000	-	-	-
MW-5	01/04/1991	99.97	14.90	85.08	0.01	-	-	-	-	-	-	-	-	-
MW-5	04/03/1991	99.97	11.56	88.41	-	-	140,000	36,000	32,000	2,700	17,000	-	-	-
MW-5	07/02/1991	99.97	13.89	86.08	-	-	-	-	-	-	-	-	-	-
MW-5	10/02/1991	99.97	15.26	84.71	-	-	230,000	34,000	31,000	2,700	16,000	-	-	-
MW-5	01/02/1992	99.97	14.97	85.00	-	-	-	-	-	-	-	-	-	-
MW-5	04/07/1992	99.97	13.44	86.53	-	-	220,000	35,000	30,000	2,500	14,000	-	-	-
MW-5	08/13/1992	99.97	15.61	84.36	-	-	-	-	-	-	-	-	-	-
MW-5	12/03/1992[2]	99.97	16.29	83.68	<0.02[2]	-	-	-	-	-	-	-	-	-
MW-5	03/25/1993	99.97	10.97	89.00	-	-	-	-	-	-	-	-	-	-
MW-5	06/23/1993	99.97	12.60	87.40	0.04	-	-	-	-	-	-	-	-	-
MW-5	09/21/1993	99.97	14.00	85.99	0.03	-	-	-	-	-	-	-	-	-
MW-5	12/02/1993	99.97	14.27	85.73	0.04	-	-	-	-	-	-	-	-	-
MW-5	03/08/1994	99.97	12.16	87.81	-	-	-	-	-	-	-	-	-	-
MW-5	06/13/1994	99.97	13.01	87.22	0.32	-	-	-	-	-	-	-	-	-
MW-5	10/04/1994	99.97	15.56	84.41	-	-	-	-	-	-	-	-	-	-
MW-5	11/14/1994	99.97	13.35	86.62	-	-	1,100,000	64,000	69,000	9,200	61,000	-	-	-
MW-5	05/15/1995	99.97	10.18	89.79	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-5	08/04/1995	99.97	11.77	88.20	-	-	-	-	-	-	-	-	-	-
MW-5	11/28/1995	99.97	14.22	85.75	-	-	320,000	34,000	38,000	5,800	31,000	2,000	-	-
MW-5	02/20/1996[28]	99.97	10.37	89.60	Sheen	-	-	-	-	-	-	-	-	-
MW-5	05/29/1996	99.97	10.89	89.08	-	-	150,000	23,000	25,000	2,200	12,000	<500	-	-
MW-5	08/27/1996	99.97	12.75	87.22	-	-	-	-	-	-	-	-	-	-
MW-5	11/22/1996	99.97	12.47	87.50	-	-	170,000	25,000	27,000	2,000	12,000	<500	-	-
MW-5	02/18/1997	99.97	9.51	90.46	-	-	-	-	-	-	-	-	-	-
MW-5	05/23/1997	99.97	12.25	87.72	-	-	160,000	29,000	34,000	2,900	16,000	<250	-	-

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HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-5	08/04/1997	99.97	12.88	87.09	-	-	130,000	27,000	31,000	2,500	13,000	<500	-	-
MW-5	11/25/1997	99.97	14.81	85.16	-	-	310,000[5]	52,000	59,000	5,500	28,000	3,300	-	-
MW-5	02/25/1998	99.97	17.46	82.51	-	-	-	-	-	-	-	-	-	-
MW-5	05/21/1998	99.97	11.60	88.37	-	-	220,000	20,000	26,000	2,000	10,000	8,500	-	-
MW-5	08/19/1998	99.97	17.70	82.27	-	-	-	-	-	-	-	-	-	-
MW-5	11/19/1998[34]	99.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/12/1999	99.97	12.79	87.18	-	-	-	-	-	-	-	-	-	-
MW-5	05/10/1999	99.97	12.72	87.25	-	-	102,000	13,300	17,200	1,240	<200	7,560 / <250[7]	-	-
MW-5	09/02/1999	99.97	14.79	85.18	-	-	-	-	-	-	-	-	-	-
MW-5	02/03/2000	99.97	13.11	86.86	-	-	-	-	-	-	-	-	-	-
MW-5	05/09/2000[15]	99.97	12.69	87.28	0.00	0.00	360[8]	6.2	<2.5	<2.5	13	13	-	-
MW-5	08/02/2000[15,28]	99.97	14.16	85.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	11/09/2000[15]	99.97	14.61	85.36	0.00	0.00	3,280	331	235	35.7	260	9.41	-	-
MW-5	02/08/2001[15]	99.97	15.21	84.76	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	05/02/2001[15]	99.97	16.20	83.77	0.00	0.00	26,700	5,490	6,310	145	2,910	<0.500	-	-
MW-5	08/28/2001[15,41]	99.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	11/26/2001[15]	99.97	15.36	84.61	0.00	0.00	88,000	14,000	19,000	1,300	8,000	<200	-	-
MW-5	02/22/2002[15,28]	99.97	12.22	87.75	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	05/24/2002[15]	99.97	15.23	84.74	0.00	0.00	92,000	11,000	17,000	1,600	9,400	<200	-	-
MW-5	08/29/2002[15,28]	99.97	15.32	84.65	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	11/29/2002	99.97	14.76	85.21	0.00	0.00	62	4.9	<0.50	<0.50	<1.5	<2.5	-	-
MW-5	02/28/2003[28]	99.97	11.75	88.22	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	05/30/2003[17]	99.97	12.61	87.36	0.00	0.00	8,100	1,600	1,100	72	700	8	-	-
MW-5	08/22/2003[28]	99.97	13.85	86.12	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	11/24/2003[17]	99.97	14.96	85.01	0.00	0.00	86,000	9,300	16,000	1,200	6,200	<10	-	-
MW-5	02/27/2004[28]	99.97	10.43	89.54	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	06/21/2004[17]	99.97	14.58	85.39	0.00	0.00	45,000	4,700	12,000	870	5,000	<10	-	-
MW-5	08/26/2004[28]	99.97	15.68	84.29	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	11/29/2004[17]	99.97	15.20	84.77	0.00	0.00	71,000	5,000	13,000	870	5,200	<10	-	-
MW-5	02/11/2005[28]	99.97	12.51	87.46	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	06/16/2005[17]	99.97	11.13	88.84	0.00	0.00	17,000	1,400	3,900	220	1,700	<5	-	-
MW-5	08/31/2005[28]	99.97	13.98	85.99	0.00	0.00	-	-	-	-	-	-	-	-

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							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-5	11/30/2005[17]	99.97	14.94	85.03	0.00	0.00	49,000	2,900	12,000	840	5,000	<25	-	-
MW-5	02/27/2006[28]	99.97	11.99	87.98	0.00	0.00	-	-	-	-	-	-	-	-
MW-5	05/30/2006[17,19]	99.97	10.83	89.14	0.00	0.00	89,000	6,500	19,000	2,600	13,000	<25	-	-
MW-5	08/29/2006[17]	99.97	13.08	86.89	0.00	0.00	110,000	5,900	22,000	2,400	13,000	<50	-	-
MW-5	12/13/2006[17]	99.97	12.02	87.95	0.00	0.00	110,000	6,100	23,000	1,600	10,000	<25	-	-
MW-5	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/30/2007[17,18]	99.97	11.45	88.52	0.00	0.00	100,000	4,200	17,000	1,600	8,700	<25	-	-
MW-5	08/29/2007[17,18]	99.97	-	-	0.00	0.00	84,000	3,200	22,000	1,800	10,000	<13	-	-
MW-5	11/21/2007[18,39]	101.74	13.06	88.70	0.03	0.28	-	-	-	-	-	-	-	-
MW-5	02/20/2008[15]	101.74	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/21/2008[15,17,18]	101.74	11.97	89.77	0.00	0.00	57,000[22]	1,400	22,000	1,700	9,900	<10	-	-
MW-5	06/24/2008[15,17,18,33]	101.74	12.58	89.16	0.00	0.00	25,000	1,300	22,000	1,400	10,000	<10	-	-
MW-5	08/22/2008[15,17,18,33]	101.74	24.62	77.12	0.00	0.00	65,000	1,400	18,000	1,600	8,800	<10	-	-
MW-5	11/21/2008[15,17,18,33]	101.74	23.89	77.85	0.00	0.00	61,000	1,100	17,000	1,300	10,000	<5	-	-
MW-5	02/03/2009[15,17,18,33]	101.74	-	-	0.00	0.00	54,000	1,000	13,000	1,500	8,600	<10	-	-
MW-5	05/28/2009	101.74	23.11	78.63	0.00	0.00	86,000	380	19,000	860	9,500	<10	-	-
MW-5	08/07/2009	101.74	14.00	87.74	0.00	0.00	89,000	190	23,000	2,100	13,000	<10	-	-
MW-5	11/16/2009	101.74	22.90	78.84	0.00	0.00	62,000	470	13,000	1,300	9,800	<10	-	-
MW-5	02/02/2010	101.74	9.80	91.94	0.00	0.00	100,000	750	27,000	2,500	16,000	<25	-	-
MW-5	05/20/2010	101.74	9.86	91.88	0.00	0.00	91,000	940	19,000	2,000	9,800	10 J	-	-
MW-5	08/23/2010[20]	101.74	12.56	89.18	0.00	0.00	77,000	530	23,000	2,300	14,000	<5	-	-
MW-5	12/07/2010[20]	101.74	11.18	90.56	0.00	0.00	110,000	430	24,000	2,000	15,000	<5	-	-
MW-5	02/03/2011[20]	101.74	10.40	91.34	0.00	0.00	83,000	420	21,000	1,900	9,700	<10	-	-
MW-5	05/06/2011	101.74	9.62	92.12	0.00	0.00	74,000	360	20,000	2,400	13,000	<5	-	-
MW-5	09/16/2011	101.74	12.01	89.73	0.00	0.00	85,000	180	24,000	2,500	15,000	<25	-	-
MW-5	12/06/2011	101.74	12.47	89.27	0.00	0.00	98,000	160	17,000	2,600	16,000	<5	-	-
MW-5	03/16/2012	101.74	11.83	89.91	0.00	0.00	83,000	230	14,000	2,800	16,000	<50	-	-
MW-5	**06/21/2012**	**101.74**	**11.69**	**90.05**	**0.00**	**0.00**	**99,000**	**190 J**	**13,000**	**2,700**	**14,700**	**<25**	**-**	**<25**
MW-6	02/05/1988	-	-	-	-	-	53,000	5,100	4,400	2,100	14,000	-	-	-
MW-6	06/15/1988	-	13.51	87.92	-	-	33,000	9,200	5,500	520	20,000	-	-	-
MW-6	09/27/1988	101.43	14.56	86.87	-	-	17,000	2,200	2,800	1,700	5,100	-	-	-

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							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-6	01/05/1989	101.43	13.48	87.95	-	-	37,000	5,000	3,400	2,200	10,000	-	-	-
MW-6	04/06/1989	101.43	12.60	88.83	-	-	-	-	-	-	-	-	-	-
MW-6	06/28/1989	101.43	14.58	86.85	-	-	80,000	7,000	4,100	2,000	9,700	-	-	-
MW-6	10/03/1989	101.43	13.03	88.40	-	-	110,000	8,500	5,100	2,600	14,000	-	-	-
MW-6	01/04/1990	101.43	15.08	86.35	-	-	59,000	5,200	2,600	2,000	11,000	-	-	-
MW-6	04/03/1990	101.43	14.06	87.37	-	-	31,000	6,600	2,600	2,200	12,000	-	-	-
MW-6	07/03/1990	101.43	14.28	87.15	-	-	66,000	5,800	2,900	2,000	9,800	-	-	-
MW-6	11/06/1990	101.43	16.10	85.33	-	-	-	-	-	-	-	-	-	-
MW-6	01/04/1991	101.43	15.52	85.91	-	-	50,000	5,600	2,200	1,800	9,400	-	-	-
MW-6	04/03/1991	101.43	11.03	90.40	-	-	-	-	-	-	-	-	-	-
MW-6	07/02/1991	101.43	14.44	86.99	-	-	81,000	11,000	2,700	2,100	13,000	-	-	-
MW-6	10/02/1991	101.43	16.22	85.21	-	-	-	-	-	-	-	-	-	-
MW-6	01/02/1992	101.43	15.71	85.72	-	-	67,000	7,500	1,900	1,800	9,500	-	-	-
MW-6	04/07/1992	101.43	13.47	87.96	-	-	-	-	-	-	-	-	-	-
MW-6	08/13/1992	101.43	15.97	85.46	-	-	-	-	-	-	-	-	-	-
MW-6	12/03/1992	101.43	16.62	84.81	-	-	-	-	-	-	-	-	-	-
MW-6	03/25/1993	101.43	10.58	90.85	-	-	110,000	12,000	2,900	4,200	14,000	-	-	-
MW-6	06/23/1993	101.43	13.01	88.42	-	-	-	-	-	-	-	-	-	-
MW-6	09/21/1993	101.43	14.74	86.69	-	-	62,000	12,000	1,400	2,100	12,000	-	-	-
MW-6	12/02/1993	101.43	14.87	86.56	-	-	-	-	-	-	-	-	-	-
MW-6	03/08/1994	101.43	12.04	89.39	-	-	61,000	7,000	1,500	1,500	7,400	-	-	-
MW-6	06/13/1994	101.43	13.37	88.06	-	-	-	-	-	-	-	-	-	-
MW-6	10/04/1994	101.43	15.56	85.87	-	-	78,000	13,000	940	1,900	10,000	-	-	-
MW-6	11/14/1994	101.43	13.53	87.90	-	-	-	-	-	-	-	-	-	-
MW-6	05/15/1995	101.43	10.53	90.90	-	-	-	-	-	-	-	-	-	-
MW-6	08/04/1995	101.43	12.38	89.05	-	-	51,000	8,600	1,400	1,900	7,800	-	-	-
MW-6	11/28/1995[28]	101.43	14.63	86.80	-	-	-	-	-	-	-	-	-	-
MW-6	02/20/1996	101.43	9.72	91.71	-	-	59,000	11,000	1,600	2,100	9,400	<500	-	-
MW-6	05/29/1996	101.43	10.94	90.49	-	-	-	-	-	-	-	-	-	-
MW-6	08/27/1996	101.43	13.40	88.03	-	-	84,000	11,000	960	2,300	7,700	<500	-	-
MW-6	11/22/1996	101.43	12.90	88.53	-	-	-	-	-	-	-	-	-	-
MW-6	02/18/1997	101.43	10.01	91.42	-	-	14,000	3,700	160	720	1,800	400	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-6	05/23/1997	101.43	12.75	88.68	-	-	-	-	-	-	-	-	-	-
MW-6	08/04/1997	101.43	13.48	87.95	-	-	62,000	13,000	930	3,500	8,500	710	-	-
MW-6	11/25/1997	101.43	14.21	87.22	-	-	-	-	-	-	-	-	-	-
MW-6	02/25/1998	101.43	14.85	86.58	-	-	30,000	2,400	910	740	4,000	2,600	-	-
MW-6	05/21/1998	101.43	11.67	89.76	-	-	-	-	-	-	-	-	-	-
MW-6	08/19/1998	101.43	15.86	85.57	-	-	37,000	390	220	160	3,600	1,600 / 1,000[7]	-	-
MW-6	11/19/1998[34]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/12/1999	101.43	11.83	89.60	-	-	80	2.4	<0.5	0.68	6.2	<2.5	-	-
MW-6	05/10/1999	101.43	13.00	88.43	-	-	-	-	-	-	-	-	-	-
MW-6	09/02/1999	101.43	15.72	85.71	-	-	4,440	23.4	<5.0	45.3	46.2	<50	-	-
MW-6	02/03/2000	101.43	13.20	88.23	-	-	8,300	22	<10	43	140	77	-	-
MW-6	05/09/2000[15]	101.43	13.05	88.38	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/02/2000[15]	101.43	14.75	86.68	0.00	0.00	1,700[8]	32	4.9	<2.5	<2.5	55	-	-
MW-6	11/09/2000[15]	101.43	15.56	85.87	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/08/2001[15]	101.43	15.87	85.56	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	05/02/2001[15,41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/28/2001[15,41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/26/2001[15]	101.43	15.46	85.97	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/22/2002[15]	101.43	11.94	89.49	0.00	0.00	6,300	<10	1.7	17	26	<25	-	-
MW-6	05/24/2002[15,28]	101.43	15.54	85.89	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/29/2002[15,41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/29/2002[28]	101.43	15.78	85.65	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/28/2003	101.43	12.07	89.36	0.00	0.00	180	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-6	05/30/2003[28]	101.43	12.84	88.59	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/22/2003[34]	101.43	14.40	87.03	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	11/24/2003[28]	101.43	15.12	86.31	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/27/2004[17]	101.43	10.06	91.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	06/21/2004[28]	101.43	14.46	86.97	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/26/2004[41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/29/2004[41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/11/2005[17]	101.43	12.67	88.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	06/16/2005[28]	101.43	12.31	89.12	0.00	0.00	-	-	-	-	-	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-6	08/31/2005[34]	101.43	14.53	86.90	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	11/30/2005[28]	101.43	15.11	86.32	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/27/2006[17]	101.43	11.97	89.46	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	05/30/2006[28]	101.43	11.75	89.68	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/29/2006[17]	101.43	14.36	87.07	0.00	0.00	110	0.6	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	12/13/2006[28]	101.43	13.05	88.38	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	02/28/2007[17]	101.43	9.77	91.66	0.00	0.00	1,400	<0.5	<0.5	0.7	<0.5	<0.5	-	-
MW-6	05/30/2007[28]	101.43	12.62	88.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/29/2007[41]	101.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/21/2007[41]	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/20/2008[17]	104.01	11.86	92.15	0.00	0.00	1,200	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	05/21/2008[28]	104.01	13.09	90.92	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	06/24/2008	104.01	13.97	90.04	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	08/22/2008[41]	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/21/2008[41]	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/03/2009[41]	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/28/2009	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/06/2009	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/16/2009	104.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/02/2010	104.01	9.70	94.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	05/20/2010	104.01	10.60	93.41	0.00	0.00	53 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	08/23/2010[28]	104.01	13.58	90.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	12/07/2010	104.01	12.34	91.67	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	02/03/2011[28]	104.01	11.24	92.77	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	05/06/2011	104.01	10.25	93.76	0.00	0.00	95 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	09/16/2011[28]	104.01	13.43	90.58	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	12/06/2011[28]	104.01	13.79	90.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-6	03/16/2012[28]	104.01	12.20	91.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-6	**06/21/2012**	**104.01**	**12.68**	**91.33**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**<0.5**
MW-7	02/05/1988	-	-	-	-	-	81,000	34,000	36,000	2,400	16,000	-	-	-
MW-7	06/15/1988	-	12.57	88.34	-	-	77,000	40,000	41,000	1,400	24,000	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-7	09/27/1988	100.91	13.60	87.31	-	-	30,000	9,700	8,900	400	4,100	-	<10	2,600
MW-7	01/05/1989	100.91	12.98	87.93	-	-	96,000	36,000	38,000	2,800	16,000	-	-	-
MW-7	04/06/1989	100.91	12.34	88.57	-	-	-	-	-	-	-	-	-	-
MW-7	06/28/1989	100.91	14.08	86.83	-	-	110,000	31,000	30,000	2,600	16,000	-	-	-
MW-7	10/03/1989	100.91	14.53	86.38	-	-	230,000	34,000	34,000	2,400	15,000	-	-	-
MW-7	01/04/1990	100.91	14.49	86.42	-	-	150,000	41,000	40,000	2,400	15,000	-	-	-
MW-7	04/03/1990	100.91	13.66	87.25	-	-	100,000	31,000	28,000	2,100	16,000	-	-	-
MW-7	07/03/1990	100.91	13.86	87.05	-	-	190,000	30,000	27,000	1,800	13,000	-	-	-
MW-7	11/06/1990	100.91	15.58	85.33	-	-	160,000	27,000	25,000	1,900	15,000	-	-	-
MW-7	01/04/1991	100.91	15.25	85.66	-	-	-	-	-	-	-	-	-	-
MW-7	04/03/1991	100.91	11.41	89.50	-	-	240,000	40,000	36,000	2,400	18,000	-	-	-
MW-7	07/02/1991	100.91	14.18	86.73	-	-	-	-	-	-	-	-	-	-
MW-7	10/02/1991	100.91	15.78	85.13	-	-	220,000	26,000	27,000	2,500	18,000	-	-	-
MW-7	01/02/1992	100.91	15.45	85.46	-	-	-	-	-	-	-	-	-	-
MW-7	04/07/1992	100.91	13.48	87.43	-	-	260,000	27,000	26,000	2,400	15,000	-	-	-
MW-7	08/13/1992	100.91	15.89	85.02	-	-	-	-	-	-	-	-	-	-
MW-7	12/03/1992	100.91	16.43	84.48	-	-	330,000	29,000	31,000	3,300	18,000	-	-	-
MW-7	03/25/1993	100.91	11.10	89.81	-	-	-	-	-	-	-	-	-	-
MW-7	06/23/1993	100.91	13.63	88.13	1.06	-	-	-	-	-	-	-	-	-
MW-7	09/21/1993	100.91	14.88	86.57	0.67	-	-	-	-	-	-	-	-	-
MW-7	12/02/1993	100.91	14.74	86.32	0.19	-	-	-	-	-	-	-	-	-
MW-7	03/08/1994	100.91	12.37	88.54	-	-	-	-	-	-	-	-	-	-
MW-7	06/13/1994	100.91	13.12	88.03	0.30	-	-	-	-	-	-	-	-	-
MW-7	10/04/1994[3]	100.91	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/14/1994	100.91	13.83	87.22	0.18	0.50	-	-	-	-	-	-	-	-
MW-7	05/15/1995	100.91	11.07	89.85	0.01	0.00	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-7	08/04/1995	100.91	12.53	88.38	-	-	-	-	-	-	-	-	-	-
MW-7	11/28/1995	100.91	14.62	86.53	0.30	2.00	-	-	-	-	-	-	-	-
MW-7	02/20/1996[28]	100.91	10.09	90.84	0.02	0.0625	-	-	-	-	-	-	-	-
MW-7	05/29/1996	100.91	10.93	90.00	0.02	0.50	-	-	-	-	-	-	-	-
MW-7	08/27/1996	100.91	12.75	88.18	0.02	0.50	-	-	-	-	-	-	-	-
MW-7	11/22/1996	100.91	12.99	87.94	0.02	0.50	-	-	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/18/1997	100.91	9.58	91.33	0.01	0.50	-	-	-	-	-	-	-	-
MW-7	05/23/1997	100.91	12.55	88.36	-	-	8,300	210	580	130	1,400	<250	-	-
MW-7	08/04/1997	100.91	13.23	87.68	-	-	96,000	12,000	16,000	2,300	14,000	3,600	-	-
MW-7	02/25/1998	100.91	17.02	83.89	-	-	-	-	-	-	-	-	-	-
MW-7	05/21/1998	100.91	11.93	88.98	-	-	150,000	7,100	15,000	1,700	9,600	21,000	-	-
MW-7	08/19/1998	100.91	18.19	82.72	-	-	-	-	-	-	-	-	-	-
MW-7	11/19/1998[34]	100.91	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/12/1999	100.91	12.81	88.10	-	-	-	-	-	-	-	-	-	-
MW-7	05/10/1999	100.91	13.04	87.87	-	-	11,200	384	764	116	618	<1,000 / 558[7]	-	-
MW-7	09/02/1999	100.91	15.75	85.16	-	-	-	-	-	-	-	-	-	-
MW-7	02/03/2000	100.91	14.07	86.84	-	-	-	-	-	-	-	-	-	-
MW-7	05/09/2000[15]	100.91	13.36	87.55	0.00	0.00	150[8]	0.52	<0.50	<0.50	2.1	130	-	-
MW-7	08/02/2000[15,28]	100.91	14.97	85.94	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/09/2000[15]	100.91	14.98	85.93	0.00	0.00	559	24.1	12.4	2.34	12.5	5.32	-	-
MW-7	02/08/2001[15]	100.91	16.02	84.89	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/02/2001[15,34]	100.91	17.70	83.21	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	08/28/2001[15,28]	100.91	17.99	82.92	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/26/2001[15]	100.91	16.15	84.76	0.00	0.00	82,000	12,000	23,000	840	6,500	<100	-	-
MW-7	02/22/2002[15,28]	100.91	12.69	88.22	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/24/2002[15,34]	100.91	16.18	84.73	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	08/29/2002[15,28]	100.91	16.17	84.74	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/29/2002	100.91	15.32	85.59	0.00	0.00	890	50	150	14	77	<10	-	-
MW-7	02/28/2003[16,28]	-	10.07	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/30/2003[16,17]	-	11.12	-	0.00	0.00	190	0.8	1	1	3	62	-	-
MW-7	08/22/2003[16]	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/24/2003[16,17]	-	13.99	-	0.00	0.00	1,000	110	6	18	6	6	-	-
MW-7	02/27/2004[16,28]	-	11.31	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	06/21/2004[16,34]	-	13.48	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	08/26/2004[16,28]	-	14.33	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/29/2004[16,17]	-	14.15	-	0.00	0.00	1,800	480	2	32	14	28	-	-
MW-7	02/11/2005[16,28]	-	11.16	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	06/16/2005[16,17]	-	10.84	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	29	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-7	08/31/2005[16,28]	-	12.15	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/30/2005[16,17]	-	13.91	-	0.00	0.00	120	10	1	<0.5	<0.5	9	-	-
MW-7	02/27/2006[16,28]	-	10.47	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/30/2006[16,17]	-	10.10	-	0.00	0.00	91	1	3	0.6	0.9	99	-	-
MW-7	08/29/2006[16,28]	-	12.62	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	12/13/2006[16,17]	-	12.57	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-7	02/28/2007[16,28]	-	9.54	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/30/2007[16,17]	-	12.01	-	0.00	0.00	<50	<0.5	1	<0.5	<0.5	28	-	-
MW-7	08/29/2007[16,28]	-	14.62	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/21/2007[17]	103.17	13.87	89.30	0.00	0.00	9,900	340	4,100	190	840	11	-	-
MW-7	02/20/2008[28]	103.17	11.61	91.56	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/21/2008[17]	103.17	12.61	90.56	0.00	0.00	<50[22]	<0.5	<0.5	<0.5	<0.5	31	-	-
MW-7	06/24/2008[17]	103.17	12.97	90.20	0.00	0.00	<50	1	1	<0.5	2	47	-	-
MW-7	08/22/2008[41]	103.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/21/2008[41]	103.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/03/2009[41]	103.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	05/28/2009	103.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/06/2009	103.17	15.18	87.99	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	11/16/2009	103.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/02/2010	103.17	9.95	93.22	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/20/2010	103.17	10.21	92.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	14	-	-
MW-7	08/23/2010[28]	103.17	12.95	90.22	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	12/07/2010	103.17	11.82	91.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	-	-
MW-7	02/03/2011[28]	103.17	10.74	92.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	05/06/2011	103.17	9.96	93.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	42	-	-
MW-7	09/16/2011[28]	103.17	12.72	90.45	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	12/06/2011[28]	103.17	13.14	90.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	42	-	-
MW-7	03/16/2012[28]	103.17	12.21	90.96	0.00	0.00	-	-	-	-	-	-	-	-
MW-7	**06/21/2012**	**103.17**	**12.23**	**90.94**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**140**	**-**	**<0.5**
MW-8	10/27/1988	-	-	-	-	-	190,000	27,000	43,000	2,200	15,000	-	-	-
MW-8	01/05/1989	-	12.02	87.65	-	-	87,000	24,000	39,000	3,000	15,000	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	04/06/1989	99.67	11.78	87.89	-	-	-	-	-	-	-	-	-	-
MW-8	06/28/1989	99.67	13.40	86.27	-	-	120,000	22,000	35,000	2,900	16,000	-	-	-
MW-8	10/03/1989	99.67	13.84	85.92	0.11	-	-	-	-	-	-	-	-	-
MW-8	01/04/1990	99.67	13.99	85.76	0.10	-	-	-	-	-	-	-	-	-
MW-8	04/03/1990	99.67	13.07	86.84	0.30	-	-	-	-	-	-	-	-	-
MW-8	07/03/1990	99.67	13.11	86.59	0.04	-	-	-	-	-	-	-	-	-
MW-8	11/06/1990	99.67	14.77	85.02	0.15	-	-	-	-	-	-	-	-	-
MW-8	01/04/1991	99.67	14.59	85.22	0.18	-	-	-	-	-	-	-	-	-
MW-8	04/03/1991	99.67	11.53	88.18	0.05	-	-	-	-	-	-	-	-	-
MW-8	07/02/1991	99.67	13.71	86.34	0.48	-	-	-	-	-	-	-	-	-
MW-8	10/02/1991	99.67	14.84	85.05	0.27	-	-	-	-	-	-	-	-	-
MW-8	01/02/1992	99.67	15.05	84.86	0.30	-	-	-	-	-	-	-	-	-
MW-8	04/07/1992	99.67	12.17	87.73	0.29	-	-	-	-	-	-	-	-	-
MW-8	08/13/1992	99.67	14.96	84.96	0.31	-	-	-	-	-	-	-	-	-
MW-8	12/03/1992	99.67	15.85	84.44	0.78	-	-	-	-	-	-	-	-	-
MW-8	03/25/1993	99.67	10.78	88.89	-	-	-	-	-	-	-	-	-	-
MW-8	06/23/1993	99.67	12.27	87.60	0.25	-	-	-	-	-	-	-	-	-
MW-8	09/21/1993	99.67	13.68	86.25	0.32	-	-	-	-	-	-	-	-	-
MW-8	12/02/1993	99.67	14.00	85.86	0.24	-	-	-	-	-	-	-	-	-
MW-8	03/08/1994	99.67	11.84	87.83	-	-	-	-	-	-	-	-	-	-
MW-8	06/13/1994	99.67	12.11	87.58	0.03	-	-	-	-	-	-	-	-	-
MW-8	10/04/1994	99.67	14.20	85.47	-	-	-	-	-	-	-	-	-	-
MW-8	11/14/1994	99.67	14.06	85.61	-	-	140,000	12,000	36,000	2,400	17,000	-	-	-
MW-8	05/15/1995	99.67	9.95	89.72	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-8	08/04/1995	99.67	11.14	88.53	-	-	-	-	-	-	-	-	-	-
MW-8	11/28/1995	99.67	13.32	86.35	-	-	100,000	6,900	34,000	2,700	16,000	650	-	-
MW-8	02/20/1996[28]	99.67	10.00	89.67	-	-	-	-	-	-	-	-	-	-
MW-8	05/29/1996	99.67	10.30	89.37	-	-	130,000	8,800	30,000	2,300	14,000	<500	-	-
MW-8	08/27/1996	99.67	12.25	87.42	-	-	-	-	-	-	-	-	-	-
MW-8	11/22/1996	99.67	12.01	87.66	-	-	150,000	7,400	33,000	2,400	14,000	<500	-	-
MW-8	02/18/1997	99.67	9.11	90.56	-	-	-	-	-	-	-	-	-	-
MW-8	05/23/1997	99.67	11.58	88.09	-	-	140,000	11,000	38,000	3,200	18,000	<250	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-8	08/04/1997	99.67	12.18	87.49	-	-	140,000	8,000	38,000	3,500	18,000	<500	-	-
MW-8	11/25/1997	99.67	17.05	82.62	-	-	290,000[5]	15,000	71,000	7,400	36,000	3,600	-	-
MW-8	02/25/1998	99.67	10.03	89.64	-	-	-	-	-	-	-	-	-	-
MW-8	05/21/1998	99.67	9.41	90.26	-	-	110,000	2,800	11,000	1,200	9,800	660	-	-
MW-8	08/19/1998	99.67	17.20	82.47	-	-	-	-	-	-	-	-	-	-
MW-8	11/19/1998	99.67	16.67	83.00	-	-	51,000	3,100	25,000	2,300	15,000	3,100	-	-
MW-8	02/12/1999	99.67	10.52	89.15	-	-	-	-	-	-	-	-	-	-
MW-8	05/10/1999	99.67	10.95	88.72	-	-	104,000	2,980	22,000	1,960	12,800	<2,500 / <333[7]	-	-
MW-8	09/02/1999	99.67	10.27	89.40	-	-	-	-	-	-	-	-	-	-
MW-8	02/03/2000	99.67	11.45	88.22	-	-	-	-	-	-	-	-	-	-
MW-8	05/09/2000[15]	99.67	10.90	88.77	0.00	0.00	37,000[8]	2,200	12,000	<100	8,400	1,900	-	-
MW-8	08/02/2000[15,28]	99.67	12.25	87.42	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/09/2000[15]	99.67	12.94	86.73	0.00	0.00	63,100	2,330	17,200	1,520	11,300	<250	-	-
MW-8	02/08/2001[15]	99.67	13.25	86.42	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/02/2001[15]	99.67	14.16	85.51	0.00	0.00	79,400	1,120	18,900	<2,500	13,400	47.6	-	-
MW-8	08/28/2001[15,28]	99.67	15.59	84.08	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/26/2001[15]	99.67	13.60	86.07	0.00	0.00	48,000	640	10,000	980	8,500	<100	-	-
MW-8	02/22/2002[15,28]	99.67	10.51	89.16	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/24/2002[15]	99.67	13.06	86.61	0.00	0.00	62,000	1,100	14,000	1,300	9,600	<200	-	-
MW-8	08/29/2002[15,28]	99.67	13.56	86.11	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/29/2002	99.67	13.04	86.63	0.00	0.00	57,000	590	11,000	1,200	10,000	<50	-	-
MW-8	02/28/2003[28]	99.67	10.08	89.59	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/30/2003[17]	99.67	11.00	88.67	0.00	0.00	13,000	100	650	270	2,100	<0.5	-	-
MW-8	08/22/2003[15,28]	99.67	12.70	86.97	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/24/2003[17]	99.67	13.28	86.39	0.00	0.00	64,000	450	17,000	1,300	9,900	<5	-	-
MW-8	02/27/2004[28]	99.67	10.21	89.46	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	06/21/2004[17]	99.67	12.80	86.87	0.00	0.00	18,000	140	2,100	540	4,400	<3	-	-
MW-8	08/26/2004[28]	99.67	13.85	85.82	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/29/2004[17]	99.67	13.45	86.22	0.00	0.00	67,000	250	13,000	1,000	6,800	<10	-	-
MW-8	02/11/2005[28]	99.67	10.92	88.75	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	06/16/2005[17]	99.67	10.38	89.29	0.00	0.00	15,000	120	920	390	2,500	<1	-	-
MW-8	08/31/2005[28]	99.67	12.76	86.91	0.00	0.00	-	-	-	-	-	-	-	-

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FORMER CHEVRON SERVICE STATION 90260
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HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-8	11/30/2005[17]	99.67	13.02	86.65	0.00	0.00	32,000	88	5,600	650	4,000	<10	-	-
MW-8	02/27/2006[28]	99.67	10.21	89.46	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/30/2006[17,20]	99.67	10.08	89.59	0.00	0.00	53,000	200	9,800	1,400	6,700	<5	-	-
MW-8	08/29/2006[28]	99.67	12.07	87.60	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	12/13/2006[17,18]	99.67	12.21	87.46	0.00	0.00	23,000	54	2,500	680	3,400	<3	-	-
MW-8	02/28/2007[28]	99.67	10.14	89.53	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/30/2007[17,18]	99.67	11.58	88.09	0.00	0.00	16,000	43	870	470	2,400	<1	-	-
MW-8	08/29/2007[18,28]	99.67	13.65	86.02	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/21/2007[31]	102.02	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/20/2008[28]	102.02	11.06	90.96	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/21/2008[17]	102.02	12.39	89.63	0.00	0.00	3,800[22]	3	84	150	220	<0.5	-	-
MW-8	06/24/2008[17,20]	102.02	12.58	89.44	0.00	0.00	3,700	4	1,000	190	970	<0.5	-	-
MW-8	08/22/2008[28]	102.02	15.08	86.94	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/21/2008[20,34]	102.02	16.79	85.23	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	02/03/2009[28]	102.02	16.85	85.17	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/28/2009	102.02	15.89	86.13	0.00	0.00	41,000	23	9,300	1,000	8,300	<5	-	-
MW-8	08/06/2009	102.02	14.10	87.92	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	11/16/2009	102.02	16.10	85.92	0.00	0.00	60,000	33	8,900	1,500	10,000	<10	-	-
MW-8	02/02/2010	102.02	10.75	91.27	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/20/2010	102.02	10.17	91.85	0.00	0.00	2,900	6	170	43	410	<0.5	-	-
MW-8	08/23/2010[28]	102.02	12.21	89.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	12/07/2010	102.02	11.46	90.56	0.00	0.00	52,000	14	7,100	1,400	11,000	<5	-	-
MW-8	02/03/2011[28]	102.02	10.72	91.30	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	05/06/2011	102.02	9.85	92.17	0.00	0.00	13,000	3	1,100	370	2,400	<1	-	-
MW-8	09/16/2011[28]	102.02	12.31	89.71	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	12/06/2011[28]	102.02	12.63	89.39	0.00	0.00	27,000	<5	3,600	920	6,400	<5	-	-
MW-8	03/16/2012[28]	102.02	12.33	89.69	0.00	0.00	-	-	-	-	-	-	-	-
MW-8	**06/21/2012**	**102.02**	**12.05**	**89.97**	**0.00**	**0.00**	**8,300**	**1 J**	**400**	**390**	**1,170**	**<1**	**-**	**<1**
MW-9	10/27/1988	-	-	-	-	-	50,000	2,000	9,900	2,000	14,000	-	-	-
MW-9	01/05/1989	-	12.63	88.52	-	-	55,000	670	8,900	3,400	16,000	-	-	-
MW-9	04/06/1989	101.15	12.46	88.69	-	-	-	-	-	-	-	-	-	-

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HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-9	06/28/1989	101.15	14.04	87.11	-	-	100,000	510	4,500	2,600	13,000	-	-	-
MW-9	10/03/1989	101.15	14.61	86.54	-	-	130,000	540	8,000	3,200	17,000	-	-	-
MW-9	01/04/1990	101.15	14.59	86.56	-	-	83,000	600	4,600	2,600	14,000	-	-	-
MW-9	04/03/1990	101.15	13.75	87.40	-	-	52,000	1,600	5,400	3,100	16,000	-	-	-
MW-9	07/03/1990	101.15	13.84	87.31	-	-	100,000	520	5,400	3,200	16,000	-	-	-
MW-9	11/06/1990	101.15	15.42	85.73	-	-	-	-	-	-	-	-	-	-
MW-9	01/04/1991	101.15	15.37	85.78	-	-	59,000	1,100	5,600	2,500	13,000	-	-	-
MW-9	04/03/1991	101.15	12.27	88.88	-	-	-	-	-	-	-	-	-	-
MW-9	07/02/1991	101.15	14.17	86.98	-	-	130,000	1,900	7,600	3,600	20,000	-	-	-
MW-9	10/02/1991	101.15	15.68	85.47	-	-	-	-	-	-	-	-	-	-
MW-9	01/02/1992	101.15	15.65	85.50	-	-	100,000	3,300	8,200	2,800	14,000	-	-	-
MW-9	04/07/1992	101.15	13.84	87.31	-	-	-	-	-	-	-	-	-	-
MW-9	08/13/1992	101.15	15.50	85.65	-	-	45,000	1,300	3,000	1,500	7,100	-	-	-
MW-9	12/03/1992	101.15	16.66	84.49	-	-	-	-	-	-	-	-	-	-
MW-9	03/25/1993	101.15	11.48	89.67	-	-	220,000	540	3,200	2,100	18,000	-	-	-
MW-9	06/23/1993	101.15	12.83	88.32	-	-	-	-	-	-	-	-	-	-
MW-9	09/21/1993	101.15	14.31	86.84	-	-	54,000	1,900	3,400	1,700	9,100	-	-	-
MW-9	12/02/1993	101.15	14.70	86.46	0.01	-	-	-	-	-	-	-	-	-
MW-9	03/08/1994	101.15	12.63	88.52	-	-	49,000	800	780	390	3,600	-	-	-
MW-9	06/13/1994	101.15	13.65	87.50	-	-	-	-	-	-	-	-	-	-
MW-9	10/04/1994	101.15	15.20	85.95	-	-	180,000	2,600	5,400	1,700	11,000	-	-	-
MW-9	11/14/1994	101.15	14.25	86.90	-	-	-	-	-	-	-	-	-	-
MW-9	05/15/1995	101.15	10.64	90.51	-	-	-	-	-	-	-	-	-	-
MW-9	08/04/1995	101.15	11.89	89.26	-	-	42,000	1,400	2,700	1,700	9,000	-	-	-
MW-9	11/28/1995[28]	101.15	13.92	87.23	-	-	-	-	-	-	-	-	-	-
MW-9	02/20/1996	101.15	10.61	90.54	Sheen	-	41,000	1,600	1,700	750	6,500	<100	-	-
MW-9	05/29/1996	101.15	10.81	90.34	-	-	-	-	-	-	-	-	-	-
MW-9	08/27/1996	101.15	12.90	88.25	Sheen	-	71,000	2,700	3,600	920	5,900	290	-	-
MW-9	11/22/1996	101.15	12.88	88.27	-	-	-	-	-	-	-	-	-	-
MW-9	02/18/1997	101.15	9.66	91.49	0.01	-	78,000	1,800	3,800	2,300	13,000	510	-	-
MW-9	05/23/1997	101.15	12.53	88.62	-	-	-	-	-	-	-	-	-	-
MW-9	08/04/1997	101.15	13.00	88.15	-	-	73,000	2,600	2,200	440	9,600	370	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	11/25/1997	101.15	17.12	84.03	-	-	-	-	-	-	-	-	-	-
MW-9	02/25/1998	101.15	12.69	88.46	-	-	34,000	150	510	1,300	6,400	<250	-	-
MW-9	05/21/1998	101.15	10.14	91.01	-	-	-	-	-	-	-	-	-	-
MW-9	08/19/1998	101.15	15.10	86.05	-	-	42,000	<50	330	890	4,200	<250	-	-
MW-9	11/19/1998	101.15	15.97	85.18	-	-	-	-	-	-	-	-	-	-
MW-9	02/12/1999	101.15	11.25	89.90	-	-	13,000	<100	200	560	2,200	<500	-	-
MW-9	05/10/1999	101.15	12.34	88.81	-	-	16,900	<50	112	506	1,850	<500 / <20[7]	-	-
MW-9	09/02/1999	101.15	11.34	89.81	-	-	7,200	<25	<25	185	493	<250	-	-
MW-9	02/03/2000	101.15	12.22	88.93	-	-	11,000	68	22	380	1,000	66	-	-
MW-9	05/09/2000[15]	101.15	11.60	89.55	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/02/2000[15]	101.15	13.05	88.10	0.00	0.00	3,400[8]	41	10	<5.0	360	77	-	-
MW-9	11/09/2000[15]	101.15	13.64	87.51	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/08/2001[15]	101.15	14.06	87.09	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	05/02/2001[15]	101.15	14.95	86.20	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/28/2001[15,34]	101.15	16.12	85.03	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	11/26/2001[15]	101.15	14.66	86.49	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/22/2002[15]	101.15	10.95	90.20	0.00	0.00	5,300	<10	4.5	79	190	<20	-	-
MW-9	05/24/2002[15,28]	101.15	13.63	87.52	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/29/2002[15]	101.15	14.40	86.75	0.00	0.00	4,200	<5.0	2.7	80	37	<2.5	-	-
MW-9	11/29/2002[28]	101.15	13.88	87.27	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/28/2003	101.15	10.47	90.68	0.00	0.00	6,300	<100	11	130	210	<100	-	-
MW-9	05/30/2003[28]	101.15	11.61	89.54	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/22/2003[17]	101.15	13.51	87.64	0.00	0.00	5,500	1	5	150	38	<0.5	-	-
MW-9	11/24/2003[28]	101.15	13.94	87.21	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/27/2004[17]	101.15	10.55	90.60	0.00	0.00	6,300	0.7	6	160	39	<0.5	-	-
MW-9	06/21/2004[28]	101.15	13.67	87.48	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/26/2004[17]	101.15	14.78	86.37	0.00	0.00	2,400	<0.5	1	19	4	<0.5	-	-
MW-9	11/29/2004[28]	101.15	14.41	86.74	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/11/2005[17]	101.15	11.71	89.44	0.00	0.00	6,200	<1	5	84	35	<1	-	-
MW-9	06/16/2005[28]	101.15	11.41	89.74	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/31/2005	101.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/30/2005[28]	101.15	10.95	90.20	0.00	0.00	-	-	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-9	02/27/2006[17]	101.15	10.95	90.20	0.00	0.00	20,000	<1	23	360	1,000	<1	-	-
MW-9	05/30/2006[20,28]	101.15	10.59	90.56	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/29/2006[17]	101.15	12.78	88.37	0.00	0	7,800	<0.5	6	150	98	<0.5	-	-
MW-9	12/13/2006[31]	101.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/28/2007[17]	101.15	10.73	90.42	0.00	0.00	8,500	<0.5	11	210	530	<0.5	-	-
MW-9	05/30/2007[18,28]	101.15	12.03	89.12	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/29/2007[17,18]	101.15	14.15	87.00	0.00	0.00	7,200	<0.5	4	120	49	<0.5	-	-
MW-9	11/21/2007[28]	103.57	14.28	89.29	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/20/2008[17]	103.57	12.13	91.44	0.00	0.00	4,300	<0.5	2	88	25	<0.5	-	-
MW-9	05/21/2008[28]	103.57	12.74	90.83	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	06/24/2008[20]	103.57	13.43	90.14	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/22/2008[17]	103.57	15.30	88.27	0.00	0.00	3,500[22]	<0.5	1	54	10	<0.5	-	-
MW-9	11/21/2008[20,26,28]	103.57	17.09	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/03/2009[26,34]	103.57	16.89	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	05/28/2009	103.57	15.46	88.11	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	08/06/2009	103.57	15.29	88.28	0.00	0.00	1,200	<0.5	0.5 J	25	4	<0.5	-	-
MW-9	11/16/2009	103.57	15.97	87.60	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	02/02/2010	103.57	11.68	91.89	0.00	0.00	1,400	<0.5	2	14	27	<0.5	-	-
MW-9	05/20/2010	103.57	11.11	92.46	0.00	0.00	1,900	2	3	12	13	<0.5	-	-
MW-9	08/23/2010[28]	103.57	13.05	90.52	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	12/07/2010	103.57	11.85	91.72	0.00	0.00	2,400	<0.5	1	15	8	<0.5	-	-
MW-9	02/03/2011[28]	103.57	11.26	92.31	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	05/06/2011	103.57	10.24	93.33	0.00	0.00	1,600	<0.5	0.6 J	8	5	<0.5	-	-
MW-9	09/16/2011[28]	103.57	12.90	90.67	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	12/06/2011[28]	103.57	13.24	90.33	0.00	0.00	2,200	<0.5	0.9 J	13	5	<0.5	-	-
MW-9	03/16/2012[28]	103.57	12.98	90.59	0.00	0.00	-	-	-	-	-	-	-	-
MW-9	**06/21/2012**	**103.57**	**12.84**	**90.73**	**0.00**	**0.00**	**3,700**	**<1**	**4 J**	**39**	**20**	**<1**	**-**	**<1**
MW-10	10/27/1988	-	-	-	-	-	<500	26	13	<5.0	<5.0	-	-	-
MW-10	01/05/1989	-	12.64	89.72	-	-	<1,000	<0.3	<0.3	<0.3	<0.3	-	-	-
MW-10	04/06/1989	102.36	11.38	90.98	-	-	-	-	-	-	-	-	-	-
MW-10	06/28/1989	102.36	13.64	88.72	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-

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FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-10	10/03/1989	102.36	13.85	88.51	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	01/04/1990	102.36	13.75	88.61	-	-	<50	0.5	1.1	<0.5	1.7	-	-	-
MW-10	04/03/1990	102.36	12.86	89.50	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	07/03/1990	102.36	13.43	88.93	-	-	-	-	-	-	-	-	-	-
MW-10	11/06/1990	102.36	14.82	87.54	-	-	-	-	-	-	-	-	-	-
MW-10	01/04/1991	102.36	13.98	88.38	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	04/03/1991	102.36	9.79	92.57	-	-	-	-	-	-	-	-	-	-
MW-10	07/02/1991	102.36	12.28	90.08	-	-	-	-	-	-	-	-	-	-
MW-10	10/02/1991	102.36	14.53	87.83	-	-	-	-	-	-	-	-	-	-
MW-10	01/02/1992	102.36	13.60	88.76	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	04/07/1992	102.36	11.83	90.53	-	-	-	-	-	-	-	-	-	-
MW-10	08/13/1992	102.36	13.95	88.41	-	-	-	-	-	-	-	-	-	-
MW-10	12/03/1992	102.36	13.96	88.40	-	-	-	-	-	-	-	-	-	-
MW-10	03/25/1993	102.36	8.45	93.91	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-	-
MW-10	06/23/1993	102.36	11.60	91.03	-	-	-	-	-	-	-	-	-	-
MW-10	09/21/1993	102.36	13.32	89.31	-	-	-	-	-	-	-	-	-	-
MW-10	12/02/1993	102.36	13.27	89.36	-	-	-	-	-	-	-	-	-	-
MW-10	03/08/1994	102.36	10.85	91.51	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	06/13/1994	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	10/04/1994	102.36	13.90	88.46	-	-	-	-	-	-	-	-	-	-
MW-10	11/14/1994	102.36	11.80	90.56	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	05/15/1995	102.36	8.98	93.38	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	08/04/1995	102.36	10.44	91.92	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-10	11/28/1995	102.36	13.55	88.81	-	-	<50	1.6	0.81	<0.5	<0.5	<0.6	-	-
MW-10	02/20/1996	102.36	8.52	93.84	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	05/29/1996	102.36	9.20	93.16	-	-	<50	<0.5	<0.5	<0.5	0.9	<5.0	-	-
MW-10	08/27/1996	102.36	12.01	90.35	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	11/22/1996	102.36	11.52	90.84	-	-	<50	<0.5	<0.5	<0.5	1.0	<5.0	-	-
MW-10	02/18/1997	102.36	8.49	93.87	-	-	<50	0.7	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	05/23/1997	102.36	10.88	91.48	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	08/04/1997	102.36	13.29	89.07	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	11/25/1997	102.36	13.30	89.06	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-

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FORMER CHEVRON SERVICE STATION 90260
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HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	02/25/1998	102.36	7.82	94.54	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-10	05/21/1998	102.36	6.14	96.22	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-10	08/19/1998	102.36	11.74	90.62	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-10	11/19/1998	102.36	13.40	88.96	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-10	02/12/1999	102.36	8.42	93.94	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-10	05/10/1999	102.36	10.22	92.14	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0 / <2.0[7]	-	-
MW-10	09/02/1999	102.36	9.23	93.13	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-10	02/03/2000[36]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	05/09/2000[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	08/02/2000[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	11/09/2000[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/08/2001[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	05/02/2001[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	08/28/2001[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	11/26/2001[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	02/22/2002[35]	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	05/24/2002	102.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	08/29/2002	102.36	13.46	88.90	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-10	11/29/2002	102.36	13.06	89.30	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-10	02/28/2003	102.36	9.57	92.79	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-10	05/30/2003[17]	102.36	9.99	92.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/22/2003[15,17]	102.36	11.82	90.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/24/2003[17]	102.36	12.94	89.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	02/27/2004[17]	102.36	8.04	94.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	06/21/2004[17]	102.36	10.71	91.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/26/2004[17]	102.36	13.80	88.56	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/29/2004[17]	102.36	13.06	89.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	02/11/2005[17]	102.36	9.87	92.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	06/16/2005[17]	102.36	9.28	93.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/31/2005[17]	102.36	12.27	90.09	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/30/2005[17]	102.36	12.92	89.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	02/27/2006[17]	102.36	8.82	93.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-10	05/30/2006[17]	102.36	8.27	94.09	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/29/2006[17]	102.36	11.81	90.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	12/13/2006[17]	102.36	15.94	86.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	02/28/2007[17]	102.36	8.22	94.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	05/30/2007	102.36	10.49	91.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	08/29/2007[17]	102.36	10.15	92.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-10	11/21/2007	104.74	10.36	94.38	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	02/20/2008	104.74	9.27	95.47	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	05/21/2008	104.74	10.36	94.38	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	06/24/2008	104.74	11.28	93.46	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	08/22/2008	104.74	13.27	91.47	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	11/21/2008	104.74	17.04	87.70	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	02/03/2009	104.74	13.25	91.49	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	05/28/2009	104.74	11.95	92.79	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	08/06/2009	104.74	12.62	92.12	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	11/16/2009	104.74	12.21	92.53	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	02/02/2010	104.74	8.54	96.20	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	05/20/2010	104.74	9.62	95.12	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	08/23/2010[32]	104.74	10.10	94.64	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	12/07/2010[32]	104.74	9.50	95.24	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	02/03/2011[32]	104.74	10.01	94.73	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	05/06/2011[32]	104.74	8.60	96.14	0.00	0.00	-	-	-	-	-	-	-	-
MW-10	07/21/2011	Well Destroyed			-	-	-	-	-	-	-	-	-	-
MW-10	**06/21/2012**	Well Destroyed			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-11	06/28/1989	-	14.33	85.64	-	-	60,000	36,000	13,000	2,500	12,000	-	-	-
MW-11	10/03/1989	-	14.61	85.36	-	-	14,000	4,200	1,400	240	1,300	-	-	-
MW-11	01/04/1990	99.97	14.55	85.42	-	-	82,000	33,000	11,000	2,000	10,000	-	-	-
MW-11	04/03/1990	99.97	13.82	86.15	-	-	78,000	35,000	12,000	2,300	12,000	-	-	-
MW-11	07/03/1990	99.97	14.00	85.97	-	-	140,000	32,000	12,000	2,100	10,000	-	-	-
MW-11	11/06/1990	99.97	15.56	84.41	-	-	-	-	-	-	-	-	-	-
MW-11	01/04/1991	99.97	14.88	85.09	0.30	-	-	-	-	-	-	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-11	04/03/1991	99.97	10.75	89.22	0.21	-	340,000	29,000	14,000	3,700	24,000	-	-	-
MW-11	07/02/1991	99.97	13.97	86.00	0.02	-	130,000	27,000	14,000	2,200	12,000	-	-	-
MW-11	10/02/1991	99.97	15.60	84.37	-	-	-	-	-	-	-	-	-	-
MW-11	01/02/1992	99.97	14.51	85.46	-	-	77,000	18,000	14,000	1,900	10,000	-	-	-
MW-11	04/07/1992	99.97	13.13	86.84	-	-	-	-	-	-	-	-	-	-
MW-11	08/13/1992	99.97	17.04	82.53	-	-	-	-	-	-	-	-	-	-
MW-11	12/03/1992	99.57	15.59	83.98	-	-	-	-	-	-	-	-	-	-
MW-11	03/25/1993	99.57	10.06	89.51	-	-	110,000	13,000	2,100	5,900	9,800	-	-	-
MW-11	03/08/1994	99.57	11.70	87.87	-	-	-	-	-	-	-	-	-	-
MW-11	06/13/1994	99.57	12.16	87.41	-	-	-	-	-	-	-	-	-	-
MW-11	10/04/1994[3]	99.57	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	11/14/1994[3]	99.57	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	05/15/1995	99.57	10.02	89.55	-	-	-	-	-	-	-	-	-	-
MW-11	08/04/1995	99.57	11.82	87.75	-	-	33,000	9,400	3,000	1,800	6,100	-	-	-
MW-11	11/28/1995[28]	99.57	16.72	82.85	-	-	-	-	-	-	-	-	-	-
MW-11	02/20/1996	99.57	10.00	89.57	-	-	22,000	4,500	2,200	560	3,500	<120	-	-
MW-11	05/29/1996	99.57	11.14	88.43	-	-	-	-	-	-	-	-	-	-
MW-11	08/27/1996	99.57	13.13	86.44	-	-	85,000	10,000	6,600	1,500	6,500	260	-	-
MW-11	11/22/1996	99.57	12.10	87.47	-	-	-	-	-	-	-	-	-	-
MW-11	02/18/1997	99.57	9.23	90.34	-	-	42,000	7,100	3,100	830	4,200	510	-	-
MW-11	05/23/1997	99.57	12.28	87.29	-	-	-	-	-	-	-	-	-	-
MW-11	08/04/1997	99.57	12.85	86.72	-	-	79,000	14,000	8,400	2,300	9,900	6,900	-	-
MW-11	11/25/1997	99.57	13.86	85.71	-	-	-	-	-	-	-	-	-	-
MW-11	02/25/1998	99.57	17.02	82.55	-	-	34,000	5,200	2,200	1,200	4,400	5,000 / 5,300[7]	-	-
MW-11	05/21/1998	99.57	11.17	88.40	-	-	-	-	-	-	-	-	-	-
MW-11	08/19/1998	99.57	18.78	80.79	-	-	-	-	-	-	-	-	-	-
MW-11	11/19/1998	99.57	18.35	81.22	-	-	16,000	1,200	<100	690	1,200	540	-	-
MW-11	02/12/1999	99.57	11.42	88.15	-	-	4,200	580	41	220	470	<50	-	-
MW-11	05/10/1999	99.57	12.56	87.01	-	-	-	-	-	-	-	-	-	-
MW-11	09/02/1999	99.57	14.74	84.83	-	-	5,150	496	43.6	150	405	<250	-	-
MW-11	02/03/2000	99.57	12.34	87.23	-	-	14,000	3,400	150	860	1,500	<250	-	-
MW-11	05/09/2000[15]	99.57	12.33	87.24	0.00	0.00	-	-	-	-	-	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11	08/02/2000[15]	99.57	14.05	85.52	0.00	0.00	7,100[8]	2,900	61	<20	1,200	<100	-	-
MW-11	11/09/2000[15]	99.57	14.72	84.85	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/08/2001[15]	99.57	14.89	84.68	0.00	0.00	18,100[11]	4,300	146	743	819	<250	-	-
MW-11	05/02/2001[15]	99.57	15.75	83.82	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	08/28/2001[15]	99.57	17.02	82.55	0.00	0.00	2,900[13]	600	35	120	91	100	-	-
MW-11	11/26/2001[15,28]	99.57	14.67	84.90	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/22/2002[15]	99.57	11.57	88.00	0.00	0.00	7,700	710	61	370	500	<20	-	-
MW-11	05/24/2002[15,28]	99.57	14.76	84.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	08/29/2002[15]	99.57	15.16	84.41	0.00	0.00	14,000	1,300	82	630	910	<20	-	-
MW-11	11/29/2002[15,28]	99.57	14.75	84.82	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/28/2003	99.57	11.60	87.97	0.00	0.00	5,100	600	95	150	390	<50	-	-
MW-11	05/30/2003[28]	99.57	12.40	87.17	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	08/22/2003[17]	99.57	14.43	85.14	0.00	0.00	25,000	3,000	980	1,200	2,000	7	-	-
MW-11	11/24/2003[28]	99.57	15.05	84.52	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/27/2004[17]	99.57	9.78	89.79	0.00	0.00	10,000	970	570	430	1,100	1	-	-
MW-11	06/21/2004[28]	99.57	14.06	85.51	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	08/26/2004[17]	99.57	15.13	84.44	0.00	0.00	22,000	1,500	790	1,000	2,200	4	-	-
MW-11	11/29/2004[28]	99.57	14.82	84.75	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/11/2005[17]	99.57	11.98	87.59	0.00	0.00	18,000	830	310	680	1,500	1	-	-
MW-11	06/16/2005[28]	99.57	11.71	87.86	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	08/31/2005[17]	99.57	13.58	85.99	0.00	0.00	20,000	1,200	740	1,100	1,800	4	-	-
MW-11	11/30/2005[28]	99.57	14.06	85.51	0.00	0.00	-	-	-	-	-	-	-	-
MW-11	02/27/2006[17]	99.57	11.30	88.27	0.00	0.00	18,000	700	340	770	1,300	8	-	-
MW-11	05/30/2006[17,19]	99.57	10.45	89.12	0.00	0.00	13,000	620	270	700	1,000	7	-	-
MW-11	08/29/2006[17]	99.57	12.79	86.78	0.00	0.00	12,000	540	210	600	560	14	-	-
MW-11	12/13/2006[17]	99.57	12.07	87.50	0.00	0.00	13,000	1,100	180	710	490	22	-	-
MW-11	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	05/30/2007[17,18]	99.57	12.05	87.52	0.00	0.00	15,000	720	180	1,100	910	12	-	-
MW-11	08/29/2007[17]	99.57	-	-	-	-	13,000	500	370	640	960	22	-	-
MW-11	11/21/2007[17,18]	101.90	13.30	88.60	0.00	0.00	9,700	380	110	410	830	43	-	-
MW-11	02/20/2008[15]	101.90	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	05/21/2008[15,17,18]	101.90	12.38	89.52	0.00	0.00	4,400[22]	94	44	150	200	4	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-11	06/24/2008[15,17,18,33]	101.90	12.76	89.14	0.00	0.00	4,500	140	30	280	250	9	-	-
MW-11	08/22/2008[15,17,18,33]	101.90	23.90	78.00	0.00	0.00	3,900[22]	230	42	33	260	36	-	-
MW-11	11/21/2008[15,17,18,33]	101.90	24.31	77.59	0.00	0.00	1,400	75	20	13	59	33	-	-
MW-11	02/03/2009[15,17,18,33]	101.90	-	-	-	-	560	19	3	4	21	30	-	-
MW-11	05/28/2009	101.90	23.54	78.36	0.00	0.00	110	4	<0.5	0.9 J	<0.5	4	-	-
MW-11	08/07/2009	101.90	14.58	87.32	0.00	0.00	74 J	5	<0.5	0.8 J	<0.5	2	-	-
MW-11	11/16/2009	101.90	23.00	78.90	0.00	0.00	120	0.8 J	<0.5	<0.5	<0.5	7	-	-
MW-11	02/02/2010	101.90	9.10	92.80	0.00	0.00	53 J	<0.5	<0.5	<0.5	<0.5	0.6 J	-	-
MW-11	05/20/2010	101.90	10.05	91.85	0.00	0.00	<50	0.8 J	<0.5	<0.5	<0.5	<0.5	-	-
MW-11	08/23/2010[20]	101.90	13.38	88.52	0.00	0.00	160	5	<0.5	1	0.9 J	0.9 J	-	-
MW-11	12/07/2010[20]	101.90	11.37	90.53	0.00	0.00	230	3	<0.5	<0.5	<0.5	2	-	-
MW-11	02/03/2011[20]	101.90	11.34	90.56	0.00	0.00	470	6	2	1	5	2	-	-
MW-11	05/06/2011	101.90	9.90	92.00	0.00	0.00	870	9	1	1	2	0.7 J	-	-
MW-11	09/16/2011	101.90	12.56	89.34	0.00	0.00	410	2	0.8 J	<0.5	0.9 J	1	-	-
MW-11	12/06/2011	101.90	12.90	89.00	0.00	0.00	430	2	<0.5	<0.5	0.6 J	1	-	-
MW-11	03/16/2012	101.90	11.40	90.50	0.00	0.00	870	5	1	2	3	1	-	-
MW-11	**06/21/2012**	**101.90**	**11.79**	**90.11**	**0.00**	**0.00**	**2,400**	**12**	**6 J**	**9**	**7 J**	**<1**	**-**	**<1**
MW-12	06/28/1989	-	14.10	85.54	-	-	55,000	30,000	21,000	2,900	19,000	-	-	-
MW-12	10/03/1989	-	14.30	85.34	-	-	170,000	30,000	23,000	2,700	15,000	-	-	-
MW-12	01/04/1990	99.64	14.35	85.29	-	-	110,000	24,000	19,000	2,300	12,000	-	-	-
MW-12	04/03/1990	99.64	13.59	86.05	-	-	89,000	41,000	28,000	3,300	17,000	-	-	-
MW-12	07/03/1990	99.64	13.77	85.87	-	-	170,000	27,000	20,000	2,200	12,000	-	-	-
MW-12	11/06/1990	99.64	15.19	84.45	0.06	-	110,000	28,000	21,000	2,400	14,000	-	-	-
MW-12	01/04/1991	99.64	14.52	-	-	-	-	-	-	-	-	-	-	-
MW-12	04/03/1991	99.64	10.91	-	-	-	-	-	-	-	-	-	-	-
MW-12	04/09/1991	99.64	-	-	-	-	170,000	39,000	17,000	2,400	14,000	-	-	-
MW-12	07/02/1991	99.64	13.51	-	-	-	-	-	-	-	-	-	-	-
MW-12	10/02/1991	99.64	14.93	-	-	-	170,000	27,000	15,000	2,600	17,000	-	-	-
MW-12	01/02/1992	99.64	14.45	85.19	-	-	-	-	-	-	-	-	-	-
MW-12	04/07/1992	99.64	13.05	86.59	-	-	-	-	-	-	-	-	-	-
MW-12	08/13/1992	99.22	17.39	81.83	-	-	-	-	-	-	-	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	12/03/1992	99.22	15.34	83.88	-	-	2,400,000	19,000	21,000	14,000	110,000	-	-	-
MW-12	03/25/1993	99.22	10.37	88.85	-	-	-	-	-	-	-	-	-	-
MW-12	06/23/1993	99.22	12.21	87.01	-	-	110,000	30,000	19,000	2,000	12,000	-	-	-
MW-12	03/08/1994	99.22	11.95	87.27	-	-	-	-	-	-	-	-	-	-
MW-12	06/13/1994	99.22	12.35	86.87	-	-	62,000	6,600	6,900	2,400	9,900	-	-	-
MW-12	10/04/1994[3]	99.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	11/14/1994[3]	99.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	05/15/1995	99.22	10.06	89.16	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-12	08/04/1995	99.22	11.60	87.62	-	-	-	-	-	-	-	-	-	-
MW-12	11/28/1995	99.22	16.63	82.59	-	-	110,000	26,000	22,000	2,300	12,000	1,100	-	-
MW-12	02/20/1996[28]	99.22	11.10	88.12	-	-	-	-	-	-	-	-	-	-
MW-12	05/29/1996	99.22	11.48	87.74	-	-	120,000	18,000	18,000	2,000	11,000	710	-	-
MW-12	08/27/1996	99.22	12.50	86.72	-	-	-	-	-	-	-	-	-	-
MW-12	11/22/1996	99.22	12.92	86.30	-	-	160,000	24,000	22,000	1,900	11,000	980	-	-
MW-12	02/18/1997	99.22	9.20	90.02	-	-	-	-	-	-	-	-	-	-
MW-12	05/23/1997[6]	99.22	12.00	87.22	-	-	130,000	27,000	22,000	2,700	15,000	6,200	-	-
MW-12	08/04/1997	99.22	12.58	86.64	-	-	130,000	23,000	28,000	2,700	13,000	11,000	-	-
MW-12	11/25/1997	99.22	13.92	85.30	-	-	290,000[5]	53,000	31,000	6,400	30,000	35,000	-	-
MW-12	02/25/1998	99.22	18.21	81.01	-	-	-	-	-	-	-	-	-	-
MW-12	05/21/1998	99.22	11.18	88.04	-	-	150,000	14,000	16,000	1,800	250	66,000 / 69,000[7]	-	-
MW-12	08/19/1998	99.22	18.40	80.82	-	-	-	-	-	-	-	-	-	-
MW-12	11/19/1998	99.22	17.98	81.24	-	-	68,000	15,000	10,000	2,000	8,800	14,000	-	-
MW-12	02/12/1999	99.22	14.95	84.27	-	-	-	-	-	-	-	-	-	-
MW-12	05/10/1999	99.22	12.47	86.75	-	-	72,600	9,920	8,100	1,600	7,480	25,800 / 32,500[7]	-	-
MW-12	09/02/1999	99.22	13.85	85.37	-	-	-	-	-	-	-	-	-	-
MW-12	02/03/2000	99.22	12.45	86.77	-	-	-	-	-	-	-	-	-	-
MW-12	05/09/2000[15]	99.22	12.26	86.96	0.00	0.00	27,000[8]	7,800	4,000	<100	6,600	6,100	-	-
MW-12	08/02/2000[15,28]	99.22	13.85	85.37	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	11/09/2000[15]	99.22	14.49	84.73	0.00	0.00	46,400	9,550	5,470	1,240	7,660	5,150	-	-
MW-12	02/08/2001[15]	99.22	14.79	84.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	05/02/2001[15]	99.22	15.73	83.49	0.00	0.00	94,000	8,720	3,630	<2,500	8,800	3,410	-	-
MW-12	08/28/2001[15,28]	99.22	17.06	82.16	0.00	0.00	-	-	-	-	-	-	-	-

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							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-12	11/26/2001[15]	99.22	14.95	84.27	0.00	0.00	5,000	770	72	150	470	230	-	-
MW-12	02/22/2002[15,28]	99.22	11.79	87.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	05/24/2002[15]	99.22	14.80	84.42	0.00	0.00	52,000	5,200	4,500	1,800	8,300	990	-	-
MW-12	08/29/2002[15,28]	99.22	14.98	84.24	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	11/29/2002	99.22	14.53	84.69	0.00	0.00	40,000	4,900	3,800	1,100	7,000	1,000	-	-
MW-12	02/28/2003[28]	99.22	11.41	87.81	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	05/30/2003[17]	99.22	12.25	86.97	0.00	0.00	46,000	4,300	3,100	1,400	7,500	670	-	-
MW-12	08/22/2003[28]	99.22	14.06	85.16	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	11/24/2003[17]	99.22	14.60	84.62	0.00	0.00	45,000	5,200	3,100	1,400	8,400	480	-	-
MW-12	02/27/2004[28]	99.22	11.06	88.16	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	06/21/2004[17]	99.22	13.83	85.39	0.00	0.00	53,000	6,100	5,400	1,800	11,000	370	-	-
MW-12	08/26/2004[28]	99.22	13.92	85.30	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	11/29/2004[17]	99.22	13.52	85.70	0.00	0.00	62,000	7,300	5,700	1,600	12,000	370	-	-
MW-12	02/11/2005[28]	99.22	10.87	88.35	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	06/16/2005[17]	99.22	11.02	88.20	0.00	0.00	49,000	3,400	4,100	1,600	7,900	180	-	-
MW-12	08/31/2005[28]	99.22	12.46	86.76	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	11/30/2005[42]	99.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	02/27/2006[28]	99.22	10.96	88.26	0.00	0.00	-	-	-	-	-	-	-	-
MW-12	05/30/2006[17,19]	99.22	10.17	89.05	0.00	0.00	54,000	3,800	4,900	1,900	6,400	230	-	-
MW-12	08/29/2006[17]	99.22	12.39	86.83	0.00	0.00	63,000	3,300	4,900	1,400	5,900	210	-	-
MW-12	12/13/2006[17]	99.22	11.95	87.27	0.00	0.00	70,000	6,200	10,000	1,900	8,600	230	-	-
MW-12	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	05/30/2007[17,18]	99.22	11.80	87.42	0.00	0.00	71,000	3,500	6,700	1,500	5,900	150	-	-
MW-12	08/29/2007[17]	99.22	-	-	-	-	58,000	5,200	8,800	1,500	7,400	120	-	-
MW-12	11/21/2007[17,18]	101.65	13.33	88.32	0.00	0.00	30,000	5,000	4,400	720	4,200	45	-	-
MW-12	02/20/2008[15]	101.65	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	05/21/2008[15,17,18]	101.65	12.18	89.47	0.00	0.00	37,000[22]	5,300	6,100	1,100	6,700	36	-	-
MW-12	06/24/2008[15,17,18,33]	101.65	12.54	89.11	0.00	0.00	24,000	6,700	7,600	1,300	6,900	80	-	-
MW-12	08/22/2008[15,17,18,33]	101.65	24.24	77.41	0.00	0.00	29,000[22]	3,200	5,100	360	5,700	38	-	-
MW-12	11/21/2008[15,17,18,33]	101.65	23.95	77.70	0.00	0.00	19,000	1,500	2,500	350	2,400	<25	-	-
MW-12	02/03/2009[15,17,18, 21,33]	101.65	-	-	-	-	16,000	1,600	2,500	380	2,800	22	-	-
MW-12	05/28/2009	101.65	22.63	79.02	0.00	0.00	35,000	1,400	4,400	760	6,100	25	-	-

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							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-12	08/07/2009	101.65	14.91	86.74	0.00	0.00	40,000	760	3,900	1,700	7,000	19	-	-
MW-12	11/16/2009	101.65	22.91	78.74	0.00	0.00	15,000	650	890	160	2,700	24	-	-
MW-12	02/02/2010	101.65	9.67	91.98	0.00	0.00	8,500	360	220	530	1,000	52	-	-
MW-12	05/20/2010	101.65	10.14	91.51	0.00	0.00	3,300	90	5	140	87	30	-	-
MW-12	08/23/2010[20]	101.65	13.89	87.76	0.00	0.00	5,300	330	10	500	91	72	-	-
MW-12	12/07/2010[20]	101.65	11.40	90.25	0.00	0.00	7,600	370	36	400	270	55	-	-
MW-12	02/03/2011[20]	101.65	11.80	89.85	0.00	0.00	4,100	410	8	180	130	70	-	-
MW-12	05/06/2011	101.65	9.87	91.78	0.00	0.00	1,800	210	1	60	18	62	-	-
MW-12	09/16/2011	101.65	12.38	89.27	0.00	0.00	2,900	180	9	100	110	35	-	-
MW-12	12/06/2011	101.65	12.76	88.89	0.00	0.00	5,900	230	51	290	450	22	-	-
MW-12	03/16/2012	101.65	11.80	89.85	0.00	0.00	5,100	190	14	200	290	26	-	-
MW-12	**06/21/2012**	**101.65**	**11.87**	**89.78**	**0.00**	**0.00**	**2,500**	**71**	**2 J**	**72**	**61**	**34**	**-**	**<0.5**
MW-13	06/28/1989	-	13.22	85.25	-	-	54,000	12,000	10,000	1,900	15,000	-	-	-
MW-13	10/03/1989	-	13.54	84.93	-	-	120,000	10,000	10,000	2,300	15,000	-	-	-
MW-13	01/04/1990	98.47	13.64	84.83	-	-	87,000	6,800	10,000	2,000	12,000	-	-	-
MW-13	04/03/1990	98.47	12.95	85.52	-	-	53,000	12,000	14,000	2,900	17,000	-	-	-
MW-13	07/03/1990	98.47	13.05	85.42	-	-	90,000	8,400	11,000	2,000	11,000	-	-	-
MW-13	11/06/1990	98.47	14.12	84.35	-	-	-	-	-	-	-	-	-	-
MW-13	01/04/1991	98.47	14.05	84.42	-	-	72,000	5,500	12,000	2,300	12,000	-	-	-
MW-13	04/03/1991	98.47	11.41	87.06	-	-	-	-	-	-	-	-	-	-
MW-13	07/02/1991	98.47	13.17	85.30	-	-	120,000	12,000	13,000	2,500	14,000	-	-	-
MW-13	10/02/1991	98.47	14.24	84.23	-	-	-	-	-	-	-	-	-	-
MW-13	01/02/1992	98.47	14.13	84.34	0.03	-	-	-	-	-	-	-	-	-
MW-13	04/07/1992	98.47	13.06	85.41	-	-	-	-	-	-	-	-	-	-
MW-13	08/13/1992	98.47	14.26	84.21	-	-	84,000	7,400	11,000	2,600	13,000	-	-	-
MW-13	12/03/1992	98.47	14.82	83.65	-	-	-	-	-	-	-	-	-	-
MW-13	03/25/1993	98.47	10.73	87.74	-	-	97,000	5,200	2,500	7,200	12,000	-	-	-
MW-13	06/23/1993	98.47	11.97	86.50	-	-	-	-	-	-	-	-	-	-
MW-13	09/21/1993	98.47	13.08	85.39	-	-	80,000	7,600	9,000	2,900	14,000	-	-	-
MW-13	12/02/1993	98.47	13.45	85.02	-	-	-	-	-	-	-	-	-	-
MW-13	03/08/1994	98.47	11.75	86.72	-	-	78,000	5,300	7,600	2,600	10,000	-	-	-

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							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-13	06/13/1994	98.47	12.30	86.17	-	-	-	-	-	-	-	-	-	-
MW-13	10/04/1994	98.47	14.18	84.29	-	-	39,000	2,300	2,700	850	4,600	-	-	-
MW-13	11/14/1994	98.47	12.62	85.85	-	-	-	-	-	-	-	-	-	-
MW-13	05/15/1995	98.47	9.93	88.54	-	-	-	-	-	-	-	-	-	-
MW-13	08/04/1995	98.47	11.08	87.39	-	-	47,000	7,700	10,000	2,900	10,000	-	-	-
MW-13	11/28/1995[28]	98.47	12.95	85.52	-	-	-	-	-	-	-	-	-	-
MW-13	02/20/1996	98.47	9.86	88.61	-	-	59,000	5,500	5,500	2,900	8,800	<120	-	-
MW-13	05/29/1996	98.47	10.30	88.17	-	-	-	-	-	-	-	-	-	-
MW-13	08/27/1996	98.47	11.97	86.50	-	-	65,000	3,500	2,800	2,200	6,900	200	-	-
MW-13	11/22/1996	98.47	11.71	86.76	-	-	-	-	-	-	-	-	-	-
MW-13	02/18/1997	98.47	9.16	89.31	-	-	69,000	4,500	4,100	2,500	7,900	310	-	-
MW-13	05/23/1997	98.47	11.56	86.91	-	-	-	-	-	-	-	-	-	-
MW-13	08/04/1997	98.47	12.15	86.32	-	-	61,000	5,700	5,100	3,600	9,200	230	-	-
MW-13	11/25/1997	98.47	13.12	85.35	-	-	-	-	-	-	-	-	-	-
MW-13	02/25/1998	98.47	10.51	87.96	-	-	42,000	3,800	1,000	2,000	5,000	<250	-	-
MW-13	05/21/1998	98.47	9.35	89.12	-	-	-	-	-	-	-	-	-	-
MW-13	08/19/1998	98.47	14.00	84.47	-	-	57,000	1,600	440	1,900	4,500	<250	-	-
MW-13	11/19/1998[36]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/12/1999[36]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/26/1999	98.47	9.30	89.17	-	-	30,800	473	101	1,430	2,800	106	-	-
MW-13	05/10/1999	98.47	10.73	87.74	-	-	-	-	-	-	-	-	-	-
MW-13	09/02/1999	98.47	10.99	87.48	-	-	87,000	2,610	19,100	1,510	12,000	<2,500	-	-
MW-13	02/03/2000	98.47	10.45	88.02	-	-	2,900	200	16	200	340	68	-	-
MW-13	05/09/2000	98.47	10.52	87.95	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/02/2000	98.47	11.78	86.69	0.00	0.00	1,600[8]	15	4.1	7.3	160	<13	-	-
MW-13	11/09/2000	98.47	12.29	86.18	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/08/2001	98.47	12.71	85.76	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	05/02/2001	98.47	13.49	84.98	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/28/2001[41]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	11/26/2001[41]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/22/2002[31]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	05/24/2002[28]	98.47	12.41	86.06	0.00	0.00	-	-	-	-	-	-	-	-

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HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-13	08/29/2002[34]	98.47	12.90	85.57	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	11/29/2002[28]	98.47	12.61	85.86	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/28/2003	98.47	9.99	88.48	0.00	0.00	340	<5.0	0.94	0.52	5.0	<10	-	-
MW-13	05/30/2003[31]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	08/22/2003[17,18]	98.47	12.00	86.47	0.00	0.00	770	10	2	8	2	<0.5	-	-
MW-13	11/24/2003[28]	98.47	12.62	85.85	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/27/2004[17]	98.47	10.53	87.94	0.00	0.00	2,300	27	7	14	10	<0.5	-	-
MW-13	06/21/2004[28]	98.47	12.23	86.24	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/26/2004[34]	98.47	13.22	85.25	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	11/29/2004[43]	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/11/2005[34]	98.47	12.84	85.63	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	06/16/2005[28]	98.47	10.19	88.28	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/31/2005	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	11/30/2005	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/27/2006	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	05/30/2006	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	08/29/2006	98.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/13/2006[28]	98.47	11.81	86.66	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/28/2007[17]	98.47	10.11	88.36	0.00	0.00	14,000	31	100	720	1,100	<3	-	-
MW-13	05/30/2007[28]	98.47	11.64	86.83	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/29/2007[17]	98.47	12.98	85.49	0.00	0.00	14,000	41	380	810	1,300	<1	-	-
MW-13	11/21/2007[28]	98.47	13.07	85.40	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/20/2008[17]	98.47	10.35	88.12	0.00	0.00	2,800	4	8	95	130	<0.5	-	-
MW-13	05/21/2008[28]	98.47	12.26	86.21	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	06/24/2008	98.47	12.38	86.09	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/22/2008[17]	98.47	14.20	84.27	0.00	0.00	7,500[24]	5	26	380	400	<0.5	-	-
MW-13	11/21/2008[28]	98.47	15.83	82.64	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/03/2009[17]	98.47	15.70	82.77	0.00	0.00	8,400	21	36	630	920	<1	-	-
MW-13	05/28/2009	98.47	15.20	83.27	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	08/06/2009	98.47	13.37	85.10	0.00	0.00	4,600	2	3	100	110	<0.5	-	-
MW-13	11/16/2009	98.47	15.97	82.50	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	02/02/2010	98.47	9.78	88.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-13	05/20/2010	98.47	9.50	88.97	0.00	0.00	82 J	4	4	2	4	<0.5	-	-
MW-13	08/23/2010[28]	98.47	11.68	86.79	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	12/07/2010	98.47	11.05	87.42	0.00	0.00	560	<0.5	2	15	20	<0.5	-	-
MW-13	02/03/2011[28]	98.47	10.45	88.02	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	05/06/2011	98.47	9.81	88.66	0.00	0.00	2,600	9	150	250	330	<0.5	-	-
MW-13	09/16/2011[28]	98.47	11.74	86.73	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	12/06/2011[28]	98.47	12.34	86.13	0.00	0.00	6,300	4 J	57	560	340	<3	-	-
MW-13	03/16/2012[28]	98.47	12.01	86.46	0.00	0.00	-	-	-	-	-	-	-	-
MW-13	**06/21/2012**	**98.47**	**11.66**	**86.81**	**0.00**	**0.00**	**5,600**	**12**	**160**	**470**	**325**	**<1**	**-**	**<1**
MW-14	08/29/1990	-	21.39	78.29	-	-	970	4.0	2.0	0.7	2.0	-	-	1.0
MW-14	11/06/1990	-	21.62	78.06	-	-	920	10	10	4.0	9.0	-	-	-
MW-14	01/04/1991	99.68	21.69	77.99	-	-	1,000	<0.5	4.0	2.6	4.2	-	-	-
MW-14	04/03/1991	99.68	19.53	80.15	-	-	1,200	380	6.0	7.0	18	-	-	-
MW-14	07/02/1991	99.68	20.93	78.75	-	-	460	27	1.0	1.2	1.0	-	-	-
MW-14	10/02/1991	99.68	21.52	78.16	-	-	480	6.7	0.8	1.4	1.8	-	-	-
MW-14	01/02/1992	99.68	21.43	78.25	-	-	1,100	2.4	1.5	6.2	18	-	-	-
MW-14	04/07/1992	99.68	21.36	78.32	-	-	290	<0.5	1.4	<0.5	1.2	-	-	-
MW-14	08/13/1992	99.68	21.07	78.61	-	-	370	10	1.2	<0.5	0.9	-	-	-
MW-14	12/03/1992	99.68	21.67	78.01	-	-	230	1.3	<0.5	<0.5	<0.5	-	-	-
MW-14	03/25/1993	99.68	19.03	80.65	-	-	390	57	2.1	1.3	1.7	-	-	-
MW-14	06/23/1993	99.68	19.94	79.74	-	-	4,400	460	220	16	62	-	-	-
MW-14	09/21/1993	99.68	20.65	79.03	-	-	680	8.7	1.7	3.2	12	-	-	-
MW-14	12/02/1993	99.68	21.05	78.63	-	-	900	0.8	7.0	3.0	7.0	-	-	-
MW-14	03/08/1994	99.68	20.05	79.63	-	-	1,700	2.4	7.7	5.6	14	-	-	-
MW-14	06/13/1994	99.68	20.21	79.47	-	-	750	0.8	8.0	3.2	5.7	-	-	-
MW-14	10/04/1994	99.68	20.70	78.98	-	-	130	3.4	5.4	<0.5	2.0	-	-	-
MW-14	11/14/1994	99.68	20.00	79.68	-	-	9,900	620	1,600	120	920	-	-	-
MW-14	05/15/1995	99.68	18.49	81.19	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-14	08/04/1995	99.68	19.38	80.30	-	-	1,000	170	58	6.6	20	-	-	-
MW-14	11/28/1995	99.68	20.33	79.35	-	-	1,500	300	72	65	190	<6.0	-	-
MW-14	02/20/1996	99.68	16.96	82.72	-	-	70	<0.5	<0.5	<0.5	<0.5	<5.0	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14	05/29/1996	99.68	18.58	81.10	-	-	1,600	170	39	5.0	21	6.3	-	-
MW-14	08/27/1996	99.68	19.79	79.89	-	-	80	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-14	11/22/1996	99.68	19.55	80.13	-	-	620	49	13	7.2	22	210	-	-
MW-14	02/18/1997	99.68	17.31	82.37	-	-	190	14	9.6	3.1	15	<5.0	-	-
MW-14	05/23/1997	99.68	19.56	80.12	-	-	130	18	16	3.4	17	<5.0	-	-
MW-14	08/04/1997	99.68	19.88	79.80	-	-	200	8.3	7.9	4.1	10	<5.0	-	-
MW-14	11/25/1997	99.68	19.77	79.91	-	-	530	42	62	10	37	<5.0	-	-
MW-14	02/25/1998	99.68	14.28	85.40	-	-	220	26	10	7.0	22	23	-	-
MW-14	05/21/1998	99.68	17.78	81.90	-	-	8,300	1,400	48	29	59	<50	-	-
MW-14	08/19/1998	99.68	19.33	80.35	-	-	7,900	610	390	51	300	<250	-	-
MW-14	11/19/1998	99.68	20.28	79.40	-	-	87	1.0	<0.5	<0.5	<0.5	27	-	-
MW-14	02/12/1999	99.68	18.32	81.36	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-14	05/10/1999	99.68	19.11	80.57	-	-	1,930	254	41.2	6.71	23	76.4 / <5.0[7]	-	-
MW-14	09/02/1999	99.68	20.11	79.57	-	-	647	38.1	1.45	<0.5	1.32	10.8	-	-
MW-14	02/03/2000[38]	99.68	18.88	80.80	-	-	-	-	-	-	-	-	-	-
MW-14	05/09/2000	99.68	18.69	80.99	0.00	0.00	370[9]	9.7	2.2	1.3	1.5	13	-	-
MW-14	08/02/2000	99.68	19.69	79.99	0.00	0.00	80[10]	1.2	1.8	0.85	1.2	3.1	-	-
MW-14	11/09/2000	99.68	20.19	79.49	0.00	0.00	92.3	<0.500	0.921	<0.500	<0.500	<2.50	-	-
MW-14	02/08/2001	99.68	20.67	79.01	0.00	0.00	728[11]	33.7	<5.00	<5.00	<5.00	<25.0	-	-
MW-14	05/02/2001	99.68	20.00	79.68	0.00	0.00	338	3.28	<5.00	<5.00	<5.00	1.35	-	-
MW-14	08/28/2001	99.68	20.62	79.06	0.00	0.00	83[14]	1.7	0.64	<0.50	<0.50	2.6	-	-
MW-14	11/26/2001	99.68	20.55	79.13	0.00	0.00	240	2.8	<0.50	<0.50	<1.5	<2.5	-	-
MW-14	02/22/2002	99.68	19.27	80.41	0.00	0.00	4,000	460	140	55	51	<20	-	-
MW-14	05/24/2002	99.68	19.70	79.98	0.00	0.00	5,800	580	360	61	340	<20	-	-
MW-14	08/29/2002	99.68	20.52	79.16	0.00	0.00	360	14	0.98	<0.50	2.3	<2.5	-	-
MW-14	11/29/2002	99.68	20.70	78.98	0.00	0.00	1,400	32	1.8	0.62	2.6	<2.5	-	-
MW-14	02/28/2003	99.68	19.27	80.41	0.00	0.00	320	<5.0	0.64	<0.50	<1.5	<10	-	-
MW-14	05/30/2003[17]	99.68	19.10	80.58	0.00	0.00	560	150	7	4	8	<0.5	-	-
MW-14	08/22/2003[17]	99.68	19.72	79.96	0.00	0.00	690	<0.5	<0.5	<0.5	0.6	<0.5	-	-
MW-14	11/24/2003[17]	99.68	20.58	79.10	0.00	0.00	52	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/27/2004[17]	99.68	19.20	80.48	0.00	0.00	330	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	06/21/2004[17]	99.68	20.02	79.66	0.00	0.00	<50	1	<0.5	<0.5	1	<0.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-14	08/26/2004[17]	99.68	20.60	79.08	0.00	0.00	160	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	11/29/2004[17]	99.68	20.52	79.16	0.00	0.00	57	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/11/2005[17]	99.68	19.58	80.10	0.00	0.00	160	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	06/16/2005[17]	99.68	18.74	80.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	08/31/2005[17]	99.68	19.63	80.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	11/30/2005[31]	99.68	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	02/27/2006[40]	99.68	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	05/30/2006[17]	99.68	18.11	81.57	0.00	0.00	630	41	17	9	21	<0.5	-	-
MW-14	08/29/2006[17]	99.68	19.34	80.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	12/13/2006[17]	99.68	19.18	80.50	0.00	0.00	97	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/28/2007[17]	99.68	18.38	81.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	05/30/2007[17]	99.68	19.91	79.77	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	08/29/2007[17]	99.68	20.29	79.39	0.00	0.00	<50	<0.5	<0.5	0.8	1	<0.5	-	-
MW-14	11/21/2007[17]	101.99	20.48	81.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/20/2008[17]	101.99	18.64	83.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	05/21/2008[17]	101.99	19.76	82.23	0.00	0.00	52[22]	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	06/24/2008[17]	101.99	19.97	82.02	0.00	0.00	<50	<0.5	3	0.7	4	<0.5	-	-
MW-14	08/22/2008[17]	101.99	20.31	81.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	11/21/2008[17]	101.99	21.86	80.13	0.00	0.00	87	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/03/2009[17]	101.99	21.03	80.96	0.00	0.00	52	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	05/28/2009	101.99	20.23	81.76	0.00	0.00	530	1	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	08/06/2009	101.99	20.50	81.49	0.00	0.00	-	-	-	-	-	-	-	-
MW-14	11/16/2009	101.99	23.98	78.01	0.00	0.00	58 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/02/2010	101.99	18.65	83.34	0.00	0.00	-	-	-	-	-	-	-	-
MW-14	05/20/2010	101.99	18.52	83.47	0.00	0.00	2,500	55	18	19	13	<0.5	-	-
MW-14	08/23/2010[28]	101.99	19.76	82.23	0.00	0.00	-	-	-	-	-	-	-	-
MW-14	12/07/2010	101.99	19.66	82.33	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-14	02/03/2011[28]	101.99	19.20	82.79	0.00	0.00	-	-	-	-	-	-	-	-
MW-14	05/06/2011	101.99	18.26	83.73	0.00	0.00	2,100	18	22	25	14	<0.5	-	-
MW-14	09/16/2011[28]	101.99	19.80	82.19	0.00	0.00	-	-	-	-	-	-	-	-
MW-14	12/06/2011[31]	101.99	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	03/16/2012[28]	101.99	19.69	82.30	0.00	0.00	-	-	-	-	-	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-14	**06/21/2012[31]**	**101.99**	**-**	**-**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-15	08/29/1990	-	16.58	79.48	-	-	2,000	26	2.0	72	110	-	-	-
MW-15	11/06/1990	-	17.43	78.63	-	-	1,300	40	5.0	45	63	-	-	-
MW-15	01/04/1991	96.06	16.37	79.69	-	-	1,700	46	2.8	58	86	-	-	-
MW-15	04/03/1991	96.06	12.46	83.60	-	-	2,100	74	0.8	44	85	-	-	-
MW-15	07/02/1991	96.06	16.53	79.53	-	-	1,700	39	<0.5	35	46	-	-	-
MW-15	10/02/1991	96.06	17.33	78.73	-	-	1,100	50	<0.5	40	33	-	-	-
MW-15	01/02/1992	96.06	16.46	79.60	-	-	1,300	51	<0.5	30	30	-	-	-
MW-15	04/07/1992	96.06	14.70	81.36	-	-	2,600	98	<5.0	64	36	-	-	-
MW-15	08/13/1992	96.06	16.72	79.34	-	-	510	55	<0.5	35	2.8	-	-	-
MW-15	12/03/1992	96.06	17.43	78.63	-	-	1,000	64	0.9	22	4.4	-	-	-
MW-15	03/25/1993	96.06	13.33	82.73	-	-	1,300	86	52	0.7	7.7	-	-	-
MW-15	06/23/1993	96.06	15.23	80.83	-	-	7,300	34	<0.5	85	160	-	-	-
MW-15	09/21/1993	96.06	16.32	79.74	-	-	1,500	39	<0.5	32	33	-	-	-
MW-15	12/02/1993	96.06	16.57	79.49	-	-	990	28	4.0	8.0	10	-	-	-
MW-15	03/08/1994	96.06	14.61	81.45	-	-	3,400	44	4.0	28	53	-	-	-
MW-15	10/04/1994	96.06	16.48	79.58	-	-	310	11	10	2.2	12	-	-	-
MW-15	11/14/1994	96.06	14.20	81.86	-	-	450	27	2.4	2.2	4.2	-	-	-
MW-15	05/15/1995	96.06	13.38	82.68	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-15	08/04/1995	96.06	14.91	81.15	-	-	<50	0.6	<0.5	<0.5	0.8	-	-	-
MW-15	11/28/1995	96.06	16.12	79.94	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.60	-	-
MW-15	02/20/1996	96.06	10.98	85.08	-	-	1,600	25	0.5	20	38	16	-	-
MW-15	05/29/1996[4]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/27/1996	96.06	15.44	80.62	-	-	80	<0.5	<0.5	<0.5	0.7	<5.0	-	-
MW-15	11/22/1996	96.06	14.49	81.57	-	-	1,500	14	<0.5	6.1	12	7.2	-	-
MW-15	02/18/1997	96.06	12.17	83.89	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-15	05/23/1997	96.06	15.03	81.03	-	-	130	20	9.7	0.9	1.5	<5.0	-	-
MW-15	08/04/1997	96.06	15.48	80.58	-	-	60	1.3	<0.5	<0.5	1.1	<5.0	-	-
MW-15	11/25/1997	96.06	15.39	80.67	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-15	02/25/1998	96.06	6.53	89.53	-	-	4,300	27	<10	37	46	<50	-	-
MW-15	05/21/1998	96.06	12.97	83.09	-	-	430	25	<0.5	2.3	1.2	<2.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	08/19/1998	96.06	14.90	81.16	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-15	11/19/1998	96.06	16.05	80.01	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-15	02/12/1999[36]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	05/10/1999	96.06	14.39	81.67	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0 / <2.0[7]	-	-
MW-15	09/02/1999	96.06	15.53	80.53	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-15	02/03/2000	96.06	12.24	83.82	-	-	480	2.5	<1.0	2.6	1.4	<5.0	-	-
MW-15	05/09/2000	96.06	13.65	82.41	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
MW-15	08/02/2000	96.06	15.02	81.04	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
MW-15	11/09/2000	96.06	15.52	80.54	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-
MW-15	02/08/2001	96.06	15.70	80.36	0.00	0.00	92.6[11]	0.894	<0.500	<0.500	<0.500	<2.50	-	-
MW-15	05/02/2001	96.06	14.62	81.44	0.00	0.00	<50.0[12]	0.830	<5.00	<5.00	5.94	<0.500	-	-
MW-15	08/28/2001	96.06	15.91	80.15	0.00	0.00	<50	<0.50	0.71	<0.50	<0.50	<2.5	-	-
MW-15	11/26/2001	96.06	15.41	80.65	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-15	02/22/2002	96.06	13.55	82.51	0.00	0.00	99	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-15	05/24/2002	96.06	14.61	81.45	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-15	08/29/2002[31]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/29/2002[31]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/28/2003	96.06	14.26	81.80	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-15	05/30/2003[17]	96.06	14.20	81.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/22/2003[17]	96.06	15.06	81.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/24/2003[31]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/27/2004[17]	96.06	10.47	85.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	06/21/2004[17]	96.06	15.18	80.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/26/2004[17]	96.06	15.32	80.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/29/2004[17]	96.06	15.48	80.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/11/2005[17]	96.06	13.89	82.17	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	06/16/2005[17]	96.06	13.95	82.11	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/31/2005[31]	96.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/30/2005[17]	96.06	15.72	80.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/27/2006[17]	96.06	13.49	82.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	05/30/2006[17]	96.06	12.98	83.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/29/2006[17]	96.06	14.55	81.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-15	12/13/2006[17]	96.06	13.68	82.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/28/2007[17]	96.06	12.08	83.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	05/30/2007[17]	96.06	15.24	80.82	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/29/2007[17]	96.06	15.71	80.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/21/2007[17]	98.28	15.79	82.49	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/20/2008[17]	98.28	13.25	85.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	05/21/2008[17]	98.28	15.35	82.93	0.00	0.00	<50[22]	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	06/24/2008[17]	98.28	15.60	82.68	0.00	0.00	<50	<0.5	6	2	10	<0.5	-	-
MW-15	08/22/2008[17]	98.28	16.11	82.17	0.00	0.00	<50[22]	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/21/2008[17]	98.28	16.62	81.66	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/03/2009[17]	98.28	16.29	81.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	05/28/2009	98.28	15.68	82.60	0.00	0.00	82 J	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	08/06/2009	98.28	15.71	82.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	11/16/2009	98.28	16.07	82.21	0.00	0.00	-	-	-	-	-	-	-	-
MW-15	02/02/2010	98.28	12.24	86.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	05/20/2010	98.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/23/2010[31]	98.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/07/2010	98.28	14.99	83.29	0.00	0.00	100	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	02/03/2011[31]	98.28	14.53	83.75	0.00	0.00	-	-	-	-	-	-	-	-
MW-15	05/06/2011	98.28	13.99	84.29	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	09/16/2011[28]	98.28	15.62	82.66	0.00	0.00	-	-	-	-	-	-	-	-
MW-15	12/06/2011[28]	98.28	15.92	82.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-15	03/16/2012[28]	98.28	14.33	83.95	0.00	0.00	-	-	-	-	-	-	-	-
MW-15	**06/21/2012[31]**	**98.28**	**-**	**-**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-16	08/29/1990	-	20.89	77.26	-	-	11,000	6,000	51	1,100	20	-	-	-
MW-16	11/06/1990	-	21.27	76.88	-	-	15,000	6,300	340	1,300	540	-	-	-
MW-16	01/04/1991	98.15	21.63	76.52	-	-	16,000	6,800	820	1,300	1,500	-	-	-
MW-16	04/03/1991	98.15	19.32	78.83	-	-	45,000	7,300	2,200	1,800	4,900	-	-	-
MW-16	07/02/1991	98.15	20.68	77.47	-	-	30,000	6,400	530	1,500	1,800	-	-	-
MW-16	10/02/1991	98.15	21.18	76.97	-	-	24,000	4,600	450	1,400	1,600	-	-	-
MW-16	01/02/1992	98.15	21.30	76.85	-	-	20,000	4,700	240	1,200	1,100	-	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-16	04/07/1992	98.15	20.19	77.96	-	-	40,000	5,000	980	1,100	2,100	-	-	-
MW-16	08/13/1992	98.15	20.77	77.38	-	-	17,000	4,500	240	860	530	-	-	-
MW-16	12/03/1992	98.15	21.44	76.71	-	-	39,000	4,600	410	1,100	2,200	-	-	-
MW-16	03/25/1993	98.15	18.83	79.32	-	-	39,000	5,500	1,400	690	2,000	-	-	-
MW-16	06/23/1993	98.15	19.72	78.43	-	-	29,000	6,600	1,200	1,400	3,700	-	-	-
MW-16	09/21/1993	98.15	20.38	77.77	-	-	36,000	6,300	340	1,200	1,800	-	-	-
MW-16	12/02/1993	98.15	20.84	77.31	-	-	28,000	5,600	230	900	820	-	-	-
MW-16	03/08/1994	98.15	20.27	77.88	-	-	35,000	6,500	760	1,000	1,300	-	-	-
MW-16	10/04/1994	98.15	20.58	77.57	-	-	39,000	9,700	680	1,300	3,300	-	-	-
MW-16	11/14/1994	98.15	20.12	78.03	-	-	26,000	5,500	640	690	1,800	-	-	-
MW-16	05/15/1995	98.15	18.16	79.99	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-16	08/04/1995	98.15	19.30	78.85	-	-	23,000	6,200	1,900	1,500	4,500	-	-	-
MW-16	11/28/1995	98.15	20.42	77.73	-	-	38,000	6,200	1,700	1,800	5,700	<120	-	-
MW-16	02/20/1996	98.15	16.40	81.75	-	-	46,000	6,600	2,200	2,400	7,300	<250	-	-
MW-16	05/29/1996	98.15	18.54	79.61	-	-	54,000	6,300	1,600	2,200	7,900	<250	-	-
MW-16	08/27/1996	98.15	19.42	78.73	-	-	45,000	4,100	260	1,600	2,800	<250	-	-
MW-16	11/22/1996	98.15	19.36	78.79	-	-	36,000	3,500	120	1,400	1,500	260	-	-
MW-16	02/18/1997	98.15	17.22	80.93	-	-	62,000	5,800	1,300	2,200	8,900	160	-	-
MW-16	05/23/1997	98.15	19.48	78.67	-	-	32,000	4,000	370	1,900	2,900	<250	-	-
MW-16	08/04/1997	98.15	19.72	78.43	-	-	26,000	3,300	280	2,100	1,500	200	-	-
MW-16	11/25/1997	98.15	19.73	78.42	-	-	38,000	3,900	370	2,400	3,000	250	-	-
MW-16	02/25/1998	98.15	14.02	84.13	-	-	60,000	6,400	1,400	2,200	13,000	<1,000	-	-
MW-16	05/21/1998	98.15	17.91	80.24	-	-	71,000	5,100	1,200	2,300	8,200	560	-	-
MW-16	08/19/1998	98.15	19.25	78.90	-	-	40,000	2,300	740	1,700	2,700	<250	-	-
MW-16	11/19/1998	98.15	20.30	77.85	-	-	51,000	2,900	<200	2,200	6,300	<1,000	-	-
MW-16	02/12/1999	98.15	17.91	80.24	-	-	11,000	1,100	81	810	470	130	-	-
MW-16	05/10/1999	98.15	19.13	79.02	-	-	52,300	4,100	587	2,430	8,800	708 / <66.7[7]	-	-
MW-16	09/02/1999	98.15	19.99	78.16	-	-	26,600	1,400	1,540	1,480	2,940	<500	-	-
MW-16	02/03/2000	98.15	18.65	79.50	-	-	47,000	5,600	620	3,000	14,000	450	-	-
MW-16	05/09/2000	99.15	18.57	80.58	0.00	0.00	15,000[8]	990	100	800	2,000	410	-	-
MW-16	08/02/2000	99.15	19.58	79.57	0.00	0.00	10,000[8]	1,100	95	1,000	2,300	<130	-	-
MW-16	11/09/2000	99.15	20.02	79.13	0.00	0.00	5,580	334	49.3	530	256	33.6	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-16	02/08/2001	99.15	20.59	78.56	0.00	0.00	25,400[11]	1,340	99.9	1,380	2,700	350	-	-
MW-16	05/02/2001	99.15	19.71	79.44	0.00	0.00	45,600	2,130	83.6	<2,500	7,460	13.3	-	-
MW-16	08/28/2001[37]	99.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	11/26/2001[37]	99.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	02/22/2002	99.15	19.10	80.05	0.00	0.00	32,000	1,300	110	1,800	6,100	<50	-	-
MW-16	05/24/2002	99.15	19.50	79.65	0.00	0.00	13,000	590	29	830	1,000	<20	-	-
MW-16	08/29/2002	99.15	20.21	78.94	0.00	0.00	9,800	500	28	670	430	<10	-	-
MW-16	11/29/2002	99.15	20.49	78.66	0.00	0.00	23,000	1,600	110	1,200	3,400	<10	-	-
MW-16	02/28/2003	99.15	19.18	79.97	0.00	0.00	20,000	1,300	90	1,000	3,300	<100	-	-
MW-16	05/30/2003[17]	99.15	18.81	80.34	0.00	0.00	47,000	2,100	160	2,000	8,100	<3	-	-
MW-16	08/22/2003[17]	99.15	19.56	79.59	0.00	0.00	25,000	1,300	94	1,200	3,200	2	-	-
MW-16	11/24/2003[17]	99.15	20.38	78.77	0.00	0.00	13,000	660	47	800	950	4	-	-
MW-16	02/27/2004[17]	99.15	16.83	82.32	0.00	0.00	20,000	1,000	70	1,000	3,100	3	-	-
MW-16	06/21/2004[17]	99.15	16.22	82.93	0.00	0.00	11,000	780	23	680	530	7	-	-
MW-16	08/26/2004[17]	99.15	20.25	78.90	0.00	0.00	7,600	540	16	450	100	8	-	-
MW-16	11/29/2004[17]	99.15	20.32	78.83	0.00	0.00	7,600	370	15	370	310	6	-	-
MW-16	02/11/2005[17]	99.15	19.38	79.77	0.00	0.00	42,000	1,800	120	1,800	6,900	3	-	-
MW-16	06/16/2005[17]	99.15	18.63	80.52	0.00	0.00	2,000	170	13	170	250	4	-	-
MW-16	08/31/2005[17]	99.15	19.43	79.72	0.00	0.00	30,000	1,800	100	1,800	5,700	3	-	-
MW-16	11/30/2005[17]	99.15	20.27	78.88	0.00	0.00	8,600	370	27	400	620	8	-	-
MW-16	02/27/2006[17]	99.15	18.93	80.22	0.00	0.00	4,600	110	9	120	220	7	-	-
MW-16	05/30/2006[17]	99.15	18.12	81.03	0.00	0.00	13,000	590	<1	860	1,400	3	-	-
MW-16	08/29/2006[17]	99.15	19.11	80.04	0.00	0.00	14,000	470	38	480	1,300	2	-	-
MW-16	12/13/2006[17]	99.15	19.07	80.08	0.00	0.00	17,000	590	43	860	1,600	5	-	-
MW-16	02/28/2007[17]	99.15	18.06	81.09	0.00	0.00	15,000	510	42	560	1,600	5	-	-
MW-16	05/30/2007[17]	99.15	19.64	79.51	0.00	0.00	11,000	440	25	470	510	7	-	-
MW-16	08/29/2007[17]	99.15	19.82	79.33	0.00	0.00	6,200	320	14	250	120	6.00	-	-
MW-16	11/21/2007[17]	100.56	20.11	80.45	0.00	0.00	5,900	410	17	260	35	13	-	-
MW-16	02/20/2008[17]	100.56	18.56	82.00	0.00	0.00	27,000	1,200	91	1,500	4,700	4	-	-
MW-16	05/21/2008[17]	100.56	19.45	81.11	0.00	0.00	17,000[22]	920	58	1,200	2,800	7	-	-
MW-16	06/24/2008[17]	100.56	19.58	80.98	0.00	0.00	6,500	360	21	380	510	10	-	-
MW-16	08/22/2008[17]	100.56	19.95	80.61	0.00	0.00	12,000[25]	260	10	320	330	10	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-16	11/21/2008[17]	100.56	19.46	81.10	0.00	0.00	3,300	120	6	100	76	12	-	-
MW-16	02/03/2009[17]	100.56	20.68	79.88	0.00	0.00	4,700	160	6	160	33	14	-	-
MW-16	05/28/2009	100.56	18.76	81.80	0.00	0.00	6,000	190	8	190	180	9	-	-
MW-16	08/06/2009	101.56	20.07	81.49	0.00	0.00	7,400	250	10	210	270	11	-	-
MW-16	11/16/2009	101.56	23.60	77.96	0.00	0.00	7,900	260	6	260	51	10	-	-
MW-16	02/02/2010	101.56	17.90	83.66	0.00	0.00	30,000	1,500	73	2,600	6,800	<5	-	-
MW-16	05/20/2010	101.56	18.34	83.22	0.00	0.00	10,000	250	15	420	530	6	-	-
MW-16	08/23/2010	101.56	19.38	82.18	0.00	0.00	5,000	74	8	180	74	8	-	-
MW-16	12/07/2010	101.56	19.45	82.11	0.00	0.00	5,800	140	15	260	170	6	-	-
MW-16	02/03/2011	101.56	18.89	82.67	0.00	0.00	8,500	160	14	440	250	6	-	-
MW-16	05/06/2011	101.56	18.10	83.46	0.00	0.00	8,300	420	25	650	640	4	-	-
MW-16	09/16/2011	101.56	19.50	82.06	0.00	0.00	13,000	150	12	420	220	4	-	-
MW-16	12/06/2011	101.56	20.18	81.38	0.00	0.00	6,300	69	9	230	97	4	-	-
MW-16	03/16/2012	101.56	19.52	82.04	0.00	0.00	6,100	72	7	170	18	5	-	-
MW-16	**06/21/2012**	**101.56**	**18.48**	**83.08**	**0.00**	**0.00**	**6,800**	**130**	**13 J**	**180**	**56**	**5 J**	**-**	**<5**
MW-17	08/13/1992	-	23.30	82.70	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-17	12/03/1992	-	24.74	81.26	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-17	03/25/1993	106.00	22.14	83.86	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-	-
MW-17	06/23/1993	106.00	23.02	82.98	-	-	<50	<0.5	<0.5	<0.5	1.0	-	-	-
MW-17	09/21/1993	106.00	23.09	82.91	-	-	<50	<0.5	<0.5	<0.5	<0.8	-	-	-
MW-17	12/02/1993	106.00	23.37	82.63	-	-	-	-	-	-	-	-	-	-
MW-17	03/08/1994	106.00	22.83	83.17	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-17	06/13/1994	106.00	22.62	83.38	-	-	<50	1.2	1.1	<0.5	0.9	-	-	-
MW-17	10/04/1994	106.00	23.00	83.00	-	-	62	8.0	2.9	0.7	3.1	-	-	-
MW-17	11/14/1994	106.00	23.03	82.97	-	-	550	22	120	8.9	84	-	-	-
MW-17	05/15/1995	106.00	21.72	84.28	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-17	08/04/1995	106.00	22.37	83.63	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-17	11/28/1995	106.00	22.97	83.03	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.6	-	-
MW-17	02/20/1996	106.00	21.78	84.22	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	05/29/1996	106.00	21.72	84.28	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	08/27/1996	106.00	22.43	83.57	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-17	11/22/1996	106.00	22.82	83.18	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	02/18/1997	106.00	21.31	84.69	-	-	140	34	11	1.6	7.7	71	-	-
MW-17	05/23/1997	106.00	22.25	83.75	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	08/04/1997	106.00	22.53	83.47	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	11/25/1997	106.00	22.91	83.09	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	02/25/1998	106.00	19.63	86.37	-	-	<50	3.8	3.3	1.3	4.2	3.5	-	-
MW-17	05/21/1998	106.00	10.61	95.39	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-17	08/19/1998	106.00	21.74	84.26	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-17	11/19/1998	106.00	22.36	83.64	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-17	02/12/1999	106.00	21.84	84.16	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-17	05/10/1999	106.00	21.45	84.55	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0 / <2.0[7]	-	-
MW-17	09/02/1999	106.00	22.46	83.54	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
MW-17	02/03/2000	106.00	22.19	83.81	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
MW-17	05/09/2000	106.00	21.79	84.21	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
MW-17	08/02/2000	106.00	22.24	83.76	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
MW-17	11/09/2000	106.00	22.57	83.43	0.00	0.00	<1,000	<10.0	<10.0	<10.0	<10.0	<50.0	-	-
MW-17	02/08/2001	106.00	22.82	83.18	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-
MW-17	05/02/2001	106.00	22.48	83.52	0.00	0.00	55.8	<0.500	<5.00	<5.00	<5.00	<0.500	-	-
MW-17	08/28/2001	106.00	22.95	83.05	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
MW-17	11/26/2001	106.00	23.08	82.92	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	02/22/2002	106.00	22.03	83.97	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	05/24/2002	106.00	22.16	83.84	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	08/29/2002	106.00	23.73	82.27	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	11/29/2002	106.00	22.98	83.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	02/28/2003	106.00	21.98	84.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
MW-17	05/30/2003[17]	106.00	21.85	84.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	08/22/2003[17]	106.00	22.48	83.52	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	11/24/2003[17]	106.00	22.84	83.16	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	02/27/2004[17]	106.00	21.93	84.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	06/21/2004[17]	106.00	22.32	83.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	08/26/2004[17]	106.00	23.09	82.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	11/29/2004[17]	106.00	22.79	83.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-17	02/11/2005[17]	106.00	21.97	84.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-
MW-17	06/16/2005[17]	106.00	21.28	84.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	08/31/2005[17]	106.00	22.05	83.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	-	-
MW-17	11/30/2005[17]	106.00	22.55	83.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-
MW-17	02/27/2006[17]	106.00	21.56	84.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	05/30/2006[17]	106.00	20.74	85.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	-	-
MW-17	08/29/2006[17]	106.00	21.82	84.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	12/13/2006[17]	106.00	22.64	83.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	02/28/2007[17]	106.00	22.37	83.63	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	05/30/2007[17]	106.00	22.66	83.34	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	08/29/2007[17]	106.00	23.01	82.99	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	05/28/2009	106.00	22.40	83.60	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	05/29/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	08/06/2009	106.00	23.00	83.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	11/16/2009	106.00	22.47	83.53	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	02/02/2010	106.00	22.63	83.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	05/20/2010	106.00	21.70	84.30	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	08/23/2010[30]	106.00	22.57	83.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	12/07/2010[30]	106.00	23.10	82.90	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	02/03/2011	106.00	22.50	83.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	05/06/2011[32]	106.00	21.53	84.47	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	09/16/2011[30]	106.00	22.62	83.38	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	12/06/2011[32]	106.00	23.00	83.00	0.00	0.00	-	-	-	-	-	-	-	-
MW-17	03/16/2012	106.00	23.12	82.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
MW-17	**06/21/2012[30]**	**106.00**	**22.52**	**83.48**	**0.00**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-18	08/04/1997	-	16.60	-	-	-	66,000	8,600	6,100	2,800	12,000	190	-	-
MW-18	11/25/1997	-	16.22	-	-	-	90,000	8,500	6,000	3,400	14,000	1,200	-	-
MW-18	02/25/1998	-	12.75	-	-	-	60,000	6,600	4,000	2,300	11,000	<120	-	-
MW-18	05/21/1998	-	15.24	-	-	-	70,000	4,700	1,800	1,700	9,600	880	-	-
MW-18	08/19/1998	-	16.34	-	-	-	93,000	4,900	1,700	2,100	9,000	<250	-	-
MW-18	11/19/1998	-	17.15	-	-	-	62,000	5,600	2,300	2,700	12,000	1,800	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18	02/12/1999	-	16.08	-	-	-	48,000	3,700	2,400	1,900	8,800	1,900	-	-
MW-18	05/10/1999	-	14.98	-	-	-	54,700	3,250	1,770	1,900	7,570	1,270 / <66.7[7]	-	-
MW-18	09/02/1999	-	15.86	-	-	-	34,400	2,120	1,230	1,420	5,460	<500	-	-
MW-18	02/03/2000	-	15.91	-	-	-	46,000	2,500	1,100	1,900	8,800	<1,000	-	-
MW-18	05/09/2000	-	13.93	-	0.00	0.00	30,000[8]	1,400	410	440	4,700	1,300	-	-
MW-18	08/02/2000	-	15.25	-	0.00	0.00	22,000[8]	1,200	480	1,400	5,800	<130	-	-
MW-18	11/09/2000	-	15.85	-	0.00	0.00	29,500	1,130	474	2,020	6,270	333	-	-
MW-18	02/08/2001	-	16.27	-	0.00	0.00	61,600[11]	1,700	<500	2,690	8,110	<2,500	-	-
MW-18	05/02/2001	-	16.15	-	0.00	0.00	57,800	1,040	104	<2,500	6,670	20.1	-	-
MW-18	08/28/2001	-	17.03	-	0.00	0.00	32,000[13]	1,200	370	2,100	5,600	790	-	-
MW-18	11/26/2001	-	16.64	-	0.00	0.00	41,000	780	320	1,800	5,600	<200	-	-
MW-18	02/22/2002	-	14.93	-	0.00	0.00	44,000	950	270	1,300	3,900	<100	-	-
MW-18	05/24/2002	-	15.92	-	0.00	0.00	36,000	1,200	460	1,600	4,800	<50	-	-
MW-18	08/29/2002	-	16.56	-	0.00	0.00	37,000	970	520	1,900	4,800	<50	-	-
MW-18	11/29/2002	-	16.51	-	0.00	0.00	36,000	710	350	1,900	5,300	<20	-	-
MW-18	02/28/2003	-	14.53	-	0.00	0.00	19,000	350	130	270	2,500	<200	-	-
MW-18	05/30/2003[17]	-	14.56	-	0.00	0.00	29,000	390	110	890	2,700	<3	-	-
MW-18	08/22/2003[17]	-	14.70	-	0.00	0.00	17,000	270	67	600	1,700	<1	-	-
MW-18	11/24/2003[17]	-	16.39	-	0.00	0.00	23,000	320	39	980	2,100	<1	-	-
MW-18	02/27/2004[17]	-	13.77	-	0.00	0.00	18,000	200	29	310	1,400	<1	-	-
MW-18	06/21/2004[17]	-	15.55	-	0.00	0.00	30,000	380	40	1,700	2,800	<3	-	-
MW-18	08/26/2004[17]	-	16.69	-	0.00	0.00	25,000	360	27	1,100	1,800	<3	-	-
MW-18	11/29/2004[17]	-	16.45	-	0.00	0.00	27,000	380	30	1,200	1,900	<2	-	-
MW-18	02/11/2005[17]	-	14.48	-	0.00	0.00	26,000	450	44	1,600	2,500	<1	-	-
MW-18	06/16/2005[28]	-	14.06	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	08/31/2005[17]	-	15.08	-	0.00	0.00	27,000	440	57	1,900	2,400	<3	-	-
MW-18	11/30/2005[28]	-	16.01	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	02/27/2006[17]	-	13.63	-	0.00	0.00	31,000	440	81	1,500	1,900	<1	-	-
MW-18	05/30/2006[28]	-	12.96	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	08/29/2006[17]	-	14.85	-	0.00	0.00	28,000	270	49	1,600	1,500	<3	-	-
MW-18	12/13/2006[28]	-	15.11	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	02/28/2007[17]	-	13.37	-	0.00	0.00	27,000	280	61	1,400	1,400	<3	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-18	05/30/2007[28]	-	15.13	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	08/29/2007[17]	-	16.14	-	0.00	0.00	26,000	200	42	1,700	1,600	<5	-	-
MW-18	11/21/2007[28]	-	16.13	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	02/20/2008[17]	-	12.83	-	0.00	0.00	24,000	190	44	1,700	1,700	<2	-	-
MW-18	05/21/2008[28]	-	14.61	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	06/24/2008	-	15.55	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	08/22/2008[17]	-	16.78	-	0.00	0.00	23,000	180	55	1,600	1,700	<1	-	-
MW-18	11/21/2008[28]	-	17.80	-	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	02/03/2009[17]	-	17.89	-	0.00	0.00	23,000	280	77	1,600	1,500	<1	-	-
MW-18	05/28/2009	-	17.01	-	-	-	-	-	-	-	-	-	-	-
MW-18	08/06/2009	100.94	16.63	84.31	0.00	0.00	30,000	150	45	2,100	1,900	<3	-	-
MW-18	11/16/2009	100.94	17.60	83.34	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	02/02/2010	100.94	13.80	87.14	0.00	0.00	14,000	54	17	150	890	<1	-	-
MW-18	05/20/2010	100.94	13.81	87.13	0.00	0.00	26,000	78	28	1,200	1,600	<1	-	-
MW-18	08/23/2010[28]	100.94	15.51	85.43	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	12/07/2010	100.94	15.06	85.88	0.00	0.00	23,000	47	26	1,300	1,300	<1	-	-
MW-18	02/03/2011[28]	100.94	14.50	86.44	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	05/06/2011	100.94	13.61	87.33	0.00	0.00	22,000	26	30	1,200	840	<5	-	-
MW-18	09/16/2011[28]	100.94	15.60	85.34	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	12/06/2011[28]	100.94	16.05	84.89	0.00	0.00	20,000	34	31	1,200	830	<0.5	-	-
MW-18	03/16/2012[28]	100.94	15.63	85.31	0.00	0.00	-	-	-	-	-	-	-	-
MW-18	**06/21/2012**	**100.94**	**15.10**	**85.84**	**0.00**	**0.00**	**20,000**	**24 J**	**47**	**1,300**	**764**	**<5**	**-**	**<5**
MW-19	05/30/2006[17,19]	-	10.68	-	0.00	0.00	3,100	94	170	59	310	100	-	-
MW-19	08/29/2006[17]	-	12.62	-	0.00	0.00	13,000	1,900	480	150	870	120	-	-
MW-19	12/13/2006[17]	-	12.26	-	0.00	0.00	8,800	1,600	100	18	360	88	-	-
MW-19	02/28/2007[17]	-	10.24	-	0.00	0.00	3,100	480	17	3	170	83	-	-
MW-19	05/30/2007	-	12.71	-	0.00	0.00	25,000	7,800	160	31	450	63	-	-
MW-19	08/29/2007[17]	-	14.02	-	0.00	0.00	25,000	8,900	170	34	390	56	-	-
MW-19	11/21/2007[17]	-	13.81	-	0.00	0.00	13,000	6,100	120	21	270	60	-	-
MW-19	02/20/2008[17]	-	11.62	-	0.00	0.00	66	3	<0.5	<0.5	<0.5	29	-	-
MW-19	05/21/2008[17]	-	13.02	-	0.00	0.00	130[22]	40	0.5	2	0.8	29	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-19	06/24/2008[17]	-	13.40	-	0.00	0.00	700	730	12	39	7	31	-	-
MW-19	08/22/2008[17]	-	15.07	-	0.00	0.00	310	16	<0.5	1	0.7	11	-	-
MW-19	11/21/2008[17]	-	16.06	-	0.00	0.00	55	5	<0.5	<0.5	<0.5	1	-	-
MW-19	02/03/2009[17]	-	15.69	-	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	-	-
MW-19	05/28/2009	-	14.95	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	4	-	-
MW-19	08/07/2009	100.34	14.31	86.03	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	-	-
MW-19	11/16/2009	100.34	16.03	84.31	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1 J	-	-
MW-19	02/02/2010	100.34	10.64	89.70	0.00	0.00	<50	<0.5	0.6 J	<0.5	<0.5	1	-	-
MW-19	05/20/2010	100.34	11.03	89.31	0.00	0.00	1,300	400	5	4	7	39	-	-
MW-19	08/23/2010[28]	100.34	12.81	87.53	0.00	0.00	-	-	-	-	-	-	-	-
MW-19	12/07/2010	100.34	12.14	88.20	0.00	0.00	6,600	2,500	16	56	12	71	-	-
MW-19	02/03/2011[28]	100.34	11.59	88.75	0.00	0.00	-	-	-	-	-	-	-	-
MW-19	05/06/2011	100.34	10.92	89.42	0.00	0.00	450	140	2	3	4	93	-	-
MW-19	09/16/2011[28]	100.34	13.11	87.23	0.00	0.00	-	-	-	-	-	-	-	-
MW-19	12/06/2011[28]	100.34	13.29	87.05	0.00	0.00	32,000	10,000	76	320	130	140	-	-
MW-19	03/16/2012[28]	100.34	12.39	87.95	0.00	0.00	-	-	-	-	-	-	-	-
MW-19	**06/21/2012**	**100.34**	**12.59**	**87.75**	**0.00**	**0.00**	**16,000**	**5,000**	**39**	**130**	**59**	**180**	**-**	**<0.5**
P-1	08/13/1992	-	10.02	76.41	-	-	-	-	-	-	-	-	-	-
P-1	12/03/1992	-	10.80	75.63	-	-	-	-	-	-	-	-	-	-
P-1	03/25/1993	86.43	8.95	77.48	-	-	-	-	-	-	-	-	-	-
P-1	02/11/2005[19]	86.43	9.20	77.23	0.00	0.00	110	4	0.6	<0.5	0.5	10	-	-
P-1	06/16/2005[17]	86.43	8.37	78.06	0.00	0.00	53	<0.5	<0.5	<0.5	<0.5	7	-	-
P-1	08/31/2005[17,33]	86.43	8.95	77.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	-	-
P-1	11/30/2005[17]	86.43	9.86	76.57	0.00	0.00	60	<0.5	<0.5	<0.5	<0.5	13	-	-
P-1	02/27/2006[17]	86.43	8.95	77.48	0.00	0.00	310	31	0.9	1	1	7	-	-
P-1	05/30/2006[17,33]	86.43	8.20	78.23	0.00	0.00	84	3	0.6	<0.5	0.7	4	-	-
P-1	08/29/2006[36]	86.43	-	-	-	-	-	-	-	-	-	-	-	-
P-1	12/13/2006[17]	86.43	9.13	77.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	-	-
P-1	02/28/2007[17]	86.43	8.61	77.82	0.00	0.00	160	8	<0.5	<0.5	<0.5	8	-	-
P-1	05/30/2007[17,33]	86.43	9.20	77.23	0.00	0.00	<50	<0.5	0.6	<0.5	<0.5	6	-	-
P-1	08/29/2007[17]	86.43	9.18	77.25	0.00	0.00	<50	<0.5	0.6	<0.5	<0.5	8	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
P-1	11/21/2007[36]	88.63	-	-	-	-	-	-	-	-	-	-	-	-
P-1	02/20/2008[17]	88.63	8.53	80.10	0.00	0.00	53	<0.5	<0.5	<0.5	<0.5	8	-	-
P-1	05/21/2008[17]	88.63	9.01	79.62	0.00	0.00	<50[22]	<0.5	0.9	<0.5	<0.5	7	-	-
P-1	06/24/2008[17]	88.63	9.08	79.55	0.00	0.00	<50	<0.5	0.6	<0.5	<0.5	8	-	-
P-1	08/22/2008[17]	88.63	9.24	79.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	-	-
P-1	11/21/2008[17]	88.63	9.78	78.85	0.00	0.00	<50	<0.5	0.7	<0.5	<0.5	9	-	-
P-1	02/03/2009[17,33]	88.63	10.18	78.45	0.00	0.00	<50	2	<0.5	<0.5	<0.5	14	-	-
P-1	05/28/2009	88.63	9.22	79.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	11	-	-
P-1	08/06/2009	88.63	9.41	79.22	0.00	0.00	-	-	-	-	-	-	-	-
P-1	11/16/2009	88.63	10.21	78.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	20	-	-
P-1	02/02/2010	88.63	8.50	80.13	0.00	0.00	-	-	-	-	-	-	-	-
P-1	05/20/2010	88.63	8.25	80.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	16	-	-
P-1	08/23/2010	88.63	8.99	79.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	14	-	-
P-1	12/07/2010	88.63	9.45	79.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	-	-
P-1	02/03/2011	88.63	9.11	79.52	0.00	0.00	54 J	2	<0.5	<0.5	<0.5	14	-	-
P-1	05/06/2011	88.63	8.03	80.60	0.00	0.00	160	8	0.5 J	<0.5	1	10	-	-
P-1	09/16/2011	88.63	9.02	79.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	13	-	-
P-1	12/06/2011	88.63	9.83	78.80	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	13	-	-
P-1	03/16/2012	88.63	9.35	79.28	0.00	0.00	<50	1	<0.5	<0.5	<0.5	13	-	-
P-1	**06/21/2012**	**88.63**	**8.62**	**80.01**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**11**		**<0.5**
DVE-9	05/30/2006[17,19]	-	11.09	-	0.00	0.00	54,000	2,700	9,100	1,800	7,700	190	-	-
DVE-9	08/29/2006[17]	-	13.51	-	0.00	0.00	65,000	2,200	8,600	1,400	5,900	190	-	-
DVE-9	12/13/2006[17]	-	12.60	-	0.00	0.00	73,000	3,400	12,000	2,100	8,700	140	-	-
DVE-9	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
DVE-9	05/30/2007[17,18]	-	12.21	-	0.00	0.00	80,000	2,100	14,000	2,300	9,800	51	-	-
DVE-9	08/29/2007[17]	-	-	-	-	-	57,000	2,400	12,000	1,500	7,200	96	-	-
DVE-9	11/21/2007[17,18]	102.60	13.73	88.87	0.00	0.00	60,000	2,700	15,000	1,200	7,500	44	-	-
DVE-9	02/20/2008[22]	102.60	-	-	-	-	-	-	-	-	-	-	-	-
DVE-9	05/21/2008[15,17,18]	102.60	12.80	89.80	0.00	0.00	43,000[22]	1,300	12,000	1,200	6,900	60	-	-
DVE-9	06/24/2008[15,17,18,33]	102.60	13.22	89.38	0.00	0.00	15,000	1,200	13,000	1,300	7,100	44	-	-
DVE-9	08/22/2008[15,17,18,33]	102.60	23.97	78.63	0.00	0.00	57,000	1,400	15,000	1,300	7,700	130	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DVE-9	11/21/2008[15,17,18,33]	102.60	24.95	77.65	0.00	0.00	45,000	1,700	7,800	1,100	8,500	180	-	-
DVE-9	02/03/2009[15,17,18,33]	102.60	-	-	-	-	15,000	920	1,100	140	2,000	190	-	-
DVE-9	05/28/2009	102.60	24.39	78.21	0.00	0.00	30,000	2,600	1,900	770	3,800	370	-	-
DVE-9	08/07/2009	102.60	15.38	87.22	0.00	0.00	17,000	1,300	480	630	2,000	190	-	-
DVE-9	11/16/2009	102.60	23.00	79.60	0.00	0.00	15,000	1,100	670	520	2,000	190	-	-
DVE-9	02/02/2010	102.60	9.81	92.79	0.00	0.00	10,000	610	130	470	1,000	160	-	-
DVE-9	05/20/2010	102.60	10.36	92.24	0.00	0.00	9,900	540	150	440	760	120	-	-
DVE-9	08/23/2010[20]	102.60	13.49	89.11	0.00	0.00	9,600	920	160	570	720	170	-	-
DVE-9	12/07/2010[20]	102.60	11.89	90.71	0.00	0.00	12,000	840	120	550	1,000	180	-	-
DVE-9	02/03/2011[20]	102.60	11.13	91.47	0.00	0.00	9,200	540	85	370	680	120	-	-
DVE-9	05/06/2011	102.60	10.22	92.38	0.00	0.00	6,800	340	36	410	540	77	-	-
DVE-9	09/16/2011	102.60	12.91	89.69	0.00	0.00	5,100	250	10	240	330	84	-	-
DVE-9	12/06/2011	102.60	13.26	89.34	0.00	0.00	3,900	190	17	190	370	57	-	-
DVE-9	03/16/2012	102.60	12.15	90.45	0.00	0.00	6,800	170	36	310	750	110	-	-
DVE-9	**06/21/2012**	**102.60**	**12.25**	**90.35**	**0.00**	**0.00**	**5,600**	**100**	**13**	**270**	**410**	**66**	**-**	**<1**
DVE-12	05/30/2006[17,19]	-	9.93	-	0.00	0.00	110,000	5,900	20,000	2,100	11,000	210	-	-
DVE-12	08/29/2006[17]	-	12.16	-	0.00	0.00	100,000	5,300	25,000	2,200	11,000	110	-	-
DVE-12	12/13/2006[17]	-	12.11	-	0.00	0.00	120,000	4,400	28,000	1,800	9,300	140	-	-
DVE-12	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
DVE-12	05/30/2007[17,18]	-	12.41	-	0.00	0.00	120,000	4,600	29,000	2,300	12,000	95	-	-
DVE-12	08/29/2007[17,21]	-	-	-	-	-	86,000	38,000	21,000	1,500	8,300	79	-	-
DVE-12	11/21/2007[17,18]	101.77	13.03	88.74	0.00	0.00	52,000	3,100	11,000	800	5,800	11	-	-
DVE-12	02/20/2008[22]	101.77	-	-	-	-	-	-	-	-	-	-	-	-
DVE-12	05/21/2008[15,17,18,33]	101.77	12.01	89.76	0.00	0.00	56,000[22]	3,600	18,000	1,100	8,600	29	-	-
DVE-12	06/24/2008[15,17,18,33]	101.77	12.66	89.11	0.00	0.00	52,000	3,900	20,000	1,200	9,000	36	-	-
DVE-12	08/22/2008[15,17,18,33]	101.77	23.67	78.10	0.00	0.00	60,000	2,900	16,000	910	8,900	24	-	-
DVE-12	11/21/2008[15,17,18,33]	101.77	24.27	77.50	0.00	0.00	54,000	790	13,000	550	6,900	18	-	-
DVE-12	02/03/2009[15,17,18]	101.77	-	-	-	-	43,000	850	12,000	800	6,100	12	-	-
DVE-12	05/28/2009	101.77	24.62	77.15	0.00	0.00	45,000	420	8,400	450	7,500	6 J	-	-
DVE-12	08/06/2009	101.77	14.10	87.67	0.00	0.00	63,000	1,200	13,000	1,400	9,800	11	-	-
DVE-12	11/16/2009	101.77	23.48	78.29	0.00	0.00	24,000	530	5,000	200	3,200	12	-	-

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
DVE-12	02/02/2010	101.77	9.50	92.27	0.00	0.00	29,000	330	4,700	1,100	6,400	20	-	-
DVE-12	05/20/2010	101.77	9.82	91.95	0.00	0.00	30,000	670	1,900	1,400	6,200	53	-	-
DVE-12	08/23/2010[20]	101.77	13.15	88.62	0.00	0.00	37,000	910	4,600	1,600	9,500	33	-	-
DVE-12	12/07/2010[20]	101.77	11.23	90.54	0.00	0.00	25,000	560	1,800	870	5,400	28	-	-
DVE-12	02/03/2011[20]	101.77	10.35	91.42	0.00	0.00	40,000	700	3,000	2,100	11,000	31	-	-
DVE-12	05/06/2011	101.77	9.54	92.23	0.00	0.00	35,000	540	1,500	1,700	9,700	21	-	-
DVE-12	09/16/2011	101.77	12.23	89.54	0.00	0.00	46,000	420	3,500	1,400	9,000	17	-	-
DVE-12	12/06/2011	101.77	12.53	89.24	0.00	0.00	40,000	400	4,300	1,700	9,900	14	-	-
DVE-12	03/16/2012	101.77	11.64	90.13	0.00	0.00	40,000	430	2,500	1,800	11,000	<13	-	-
DVE-12	**06/21/2012**	**101.77**	**11.67**	**90.10**	**0.00**	**0.00**	**41,000**	**360**	**830**	**1,700**	**10,600**	**13 J**	**-**	**<5**
DVE-20	05/30/2006[17,19]	-	10.30	-	0.00	0.00	64,000	1,500	6,000	1,600	7,700	6	-	-
DVE-20	08/29/2006[17]	-	12.73	-	0.00	0.00	37,000	840	1,800	1,800	6,400	7	-	-
DVE-20	12/13/2006[17]	-	12.34	-	0.00	0.00	43,000	540	1,800	1,800	9,700	<5	-	-
DVE-20	02/28/2007	-	-	-	-	-	-	-	-	-	-	-	-	-
DVE-20	05/30/2007[17,18]	-	12.19	-	0.00	0.00	53,000	590	4,000	1,900	10,000	<5	-	-
DVE-20	08/29/2007[17,21]	-	-	-	-	-	42,000	490	3,800	1 / 800	9,100	<10	-	-
DVE-20	11/21/2007[17,18]	102.64	13.64	89.00	0.00	0.00	27,000	92	530	790	5,600	<3	-	-
DVE-20	02/20/2008[22]	102.64	-	-	-	-	-	-	-	-	-	-	-	-
DVE-20	05/21/2008[15,17,18]	102.64	12.97	89.67	0.00	0.00	20,000[22]	78	540	910	5,400	2	-	-
DVE-20	06/24/2008[15,17,18,33]	102.64	12.97	89.67	0.00	0.00	12,000	61	540	1,000	5,900	1	-	-
DVE-20	08/22/2008[15,17,18,33]	102.64	23.11	79.53	0.00	0.00	23,000	220	1,600	510	5,800	19	-	-
DVE-20	11/21/2008[15,17,18,33]	102.64	24.53	78.11	0.00	0.00	4,400	93	120	16	890	10	-	-
DVE-20	02/03/2009[15,17,18,33]	102.64	-	-	-	-	920	11	2	0.9	69	10	-	-
DVE-20	05/28/2009	102.64	22.01	80.63	0.00	0.00	1,200	8	1	<0.5	43	2	-	-
DVE-20	08/07/2009	102.64	14.51	88.13	0.00	0.00	9,100	9	3	520	1,200	<0.5	-	-
DVE-20	11/16/2009	102.64	22.99	79.65	0.00	0.00	4,200	65	21	14	660	7	-	-
DVE-20	02/02/2010	102.64	9.29	93.35	0.00	0.00	2,400	16	4	180	300	<0.5	-	-
DVE-20	05/20/2010	102.64	10.13	92.51	0.00	0.00	12,000	49	80	610	1,100	1	-	-
DVE-20	08/23/2010[20]	102.64	14.15	88.49	0.00	0.00	13,000	110	420	1,100	2,300	<3	-	-
DVE-20	12/07/2010[20]	102.64	11.63	91.01	0.00	0.00	13,000	83	280	880	930	1 J	-	-
DVE-20	02/03/2011[20]	102.64	11.55	91.09	0.00	0.00	11,000	69	140	970	1,600	1 J	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
DVE-20	05/06/2011	102.64	10.03	92.61	0.00	0.00	6,900	55	130	510	1,200	1 J	-	-
DVE-20	09/16/2011	102.64	12.96	89.68	0.00	0.00	13,000	50	360	920	3,000	0.8 J	-	-
DVE-20	12/06/2011	102.64	13.06	89.58	0.00	0.00	20,000	37	480	940	4,100	<5	-	-
DVE-20	03/16/2012	102.64	11.63	91.01	0.00	0.00	20,000	65	310	1,300	3,700	<5	-	-
DVE-20	**06/21/2012**	**102.64**	**11.99**	**90.65**	**0.00**	**0.00**	**16,000**	**40 J**	**180**	**760**	**2,200**	**<10**	**-**	**<10**
QA	11/26/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	02/22/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	05/24/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	08/29/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	11/29/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	02/28/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-
QA	05/30/2003[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/22/2003[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/24/2003[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/27/2004[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	06/21/2004[17]	-	-	-	-	-	<50	<0.5	1	<0.5	0.9	<0.5	-	-
QA	08/26/2004[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/29/2004[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/11/2005[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	06/16/2005[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/31/2005[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/30/2005[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/27/2006[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	05/30/2006[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/29/2006[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	12/13/2006[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/28/2007[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	05/30/2007[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/29/2007[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/21/2007[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/20/2008[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
QA	05/21/2008[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	06/24/2008[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/22/2008[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/21/2008[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/03/2009[17]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	05/28/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/06/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	11/16/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/02/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	05/20/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	08/23/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	12/07/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	02/03/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	05/06/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	09/16/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	12/06/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	03/16/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-
QA	**06/21/2012**	**-**	**-**	**-**			**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**
Trip Blank	01/05/1989	-	-	-	-	-	<1,000	<0.3	<0.3	<0.3	<0.3	-	-	-
Trip Blank	10/03/1989	-	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	01/04/1990	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	04/03/1990	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	07/03/1990	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	11/06/1990	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	01/04/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	04/03/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	07/02/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	10/02/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	01/02/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	04/07/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	08/13/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
Trip Blank	12/03/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	03/25/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-	-
Trip Blank	06/23/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	09/21/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.8	-	-	-
Trip Blank	12/02/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	03/08/1994	-	-	-	-	-	<50	0.6	0.8	<0.5	0.6	-	-	-
Trip Blank	06/13/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	10/04/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	11/14/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	05/15/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	08/04/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
Trip Blank	11/28/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.60	-	-
Trip Blank	02/20/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	05/29/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	08/27/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	11/22/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	02/18/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	05/23/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	08/04/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	11/25/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	02/25/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	05/21/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	08/19/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	11/19/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	02/12/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	03/26/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-
Trip Blank	05/10/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-
Trip Blank	09/02/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	02/03/2000	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-
Trip Blank	05/09/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
Trip Blank	08/02/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
Trip Blank	11/09/2000	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-
Trip Blank	02/08/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-
Trip Blank	05/02/2001	-	-	-	-	-	<50.0	<0.500	<5.00	<5.00	<5.00	<0.500	-	-
Trip Blank	08/28/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-
Equipment Blank	01/05/1989	-	-	-	-	-	<1,000	<0.3	<0.3	<0.3	<0.3	-	-	-
Equipment Blank	03/08/1994	-	-	-	-	-	<50	1.0	1.4	<0.5	1.5	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*					*ADDITIONAL VOCS*	
Location	*Date*	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*	*EDB*	*1,2-DCA*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*ft*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

LNAPL = Light non-aqueous phase liquid

LNAPLT = Light non-aqueous phase liquid thickness

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

EDB = 1,2-Dibromoethane (Ethylene dibromide)

1,2-DCA = 1,2-Dichloroethane

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

J = Estimated Value (The result is ≥ the method detection limit and < the limit of quantitation)

1	Repeat analysis.
2	Estimated thickness.
3	Well inaccessible due to downhole equipment.
4	The TPH as Gasoline value was 99,000 ppb when MTBE is not included in the calculation.
5	Laboratory report indicates results were taken from both a low level and a diluted analysis.
6	The TPH as Gasoline value was 125,000 ppb when MTBE is not included in the calculation.
7	Confirmation run.
8	Laboratory report indicates gasoline C6-C12.
9	Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.
10	Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
11	Laboratory report indicates weathered gasoline C6-C12.

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

12 Laboratory report indicates analyte was initially analyzed within hold time; however, due to instrument carryover, the sample was reanalyzed outside the method specified hold time to confirm the carryover.
13 Laboratory report indicates gasoline C6-C10.
14 Laboratory report indicates unidentified hydrocarbons C6-C10.
15 Connected to remediation system.
16 TOC was altered during removal of extraction system; unable to determine GWE.
17 BTEX and MTBE by EPA Method 8260.
18 Hose/tube or pump in well.
19 Well development performed.
20 Extraction stinger in well.
21 Unable to measure DTW due to pump in well, grab sample taken.
22 Laboratory report indicates the sample was analyzed 1 day outside the method hold time.
23 Laboratory report indicates that the surrogate recovery is outside the lower statistical limit (63-135) at 58%. The recovery is high enough to ensure no adverse effect of the data.
24 Laboratory report indicates that this sample was analyzed 1 day outside of the method hold time. The surrogate recovery is outside the upper QC limit (63-135) 137%. The value for the TPH-GRO is estimated because the value is outside the calibration ran
25 Laboratory report indicates that the value for the TPH-GRO is estimated because the value is over the calibration range of the system. The system is calibrated to 5500 ug/L.
26 Insufficient water to determine GWE.
27 The vial submitted did not have pH<2. The pH of this sample used for the undiluted analysis was pH = 3.
28 Sampled semi-annually.
29 Monitored annually.
30 Sampled annually.
31 Unable to access--Vehicle parked over well.
32 Removed from sampling schedule.
33 No Purge
34 Not sampled due to insufficient water
35 Unable to locate - Overgrown vegetation/landscaping
36 Inaccessible
37 Inaccessible- paved over well
38 Unable to sample
39 Not sampled due to the presence of sph
40 Inaccessible - Well Box Flooded
41 Dry

TABLE 2

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

							HYDROCARBONS	PRIMARY VOCS					ADDITIONAL VOCS	
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-GRO	B	T	E	X	MTBE by SW8260	EDB	1,2-DCA
	Units	ft	ft	ft-amsl	ft	ft	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

42 Unable to locate

43 Dry at 13.5 feet

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

					HYDROCARBONS			*VOCS*																		
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-HRO*	*TPH-DRO w/ Si Gel*	*TPH - Extractable*	*m&p-Xylenes*	*o-Xylene*	*1,1,1-Trichloroethane*	*1,1,2,2-Tetrachloroethane*	*1,1,2-Trichloroethane*	*1,1-Dichloroethane*	*1,1-Dichloroethene*	*1,2-Dichlorobenzene*	*1,2-Dichloropropane*	*1,3-Dichlorobenzene*	*1,4-Dichlorobenzene*	*Bromodichloromethane*	*Bromoform*	*Bromomethane (Methyl bromide)*	*Carbon tetrachloride*	*Chlorobenzene*	*Chloroethane*	*Chloroform (Trichloromethane)*	*Chloromethane (Methyl chloride)*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
ESLs - Groundwater Screening Levels [a]					***100***	***100***	***100***	***20***	***20***	***NE***	***1.0***	***NE***	***5.0***	***0.5***	***10***	***5.0***	***65***	***5.0***	***100***	***100***	***9.8***	***0.5***	***25***	***12***	***70***	***41***
MW-4	06/21/2012	103.89	13.12	90.77	<39	**1,600**	<39	**620**	**310**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-5	06/21/2012	101.74	11.69	90.05	**260**	**5,700**	**260**	**10,000**	**4,700**	<40	<50	<40	<50	<40	<50	<50	<50	<50	<50	<50	<50	<50	<40	<50	<40	<50
MW-6	06/21/2012	104.01	12.68	91.33	<39	<50	<39	<0.5	<0.5	<0.8	<1	<0.8	<1	<0.8	<1	<1	<1	<1	<1	<1	<1	<1	<0.8	<1	<0.8	<1
MW-7	06/21/2012	103.17	12.23	90.94	<39	**160**	<39	<0.5	<0.5	<0.8	<1	<0.8	<1	<0.8	<1	<1	<1	<1	<1	<1	<1	<1	<0.8	<1	<0.8	<1
MW-8	06/21/2012	102.02	12.05	89.97	64 J	**1,300**	64 J	**430**	**740**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-9	06/21/2012	103.57	12.84	90.73	**440**	**1,600**	**440**	12	8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-10	06/21/2012													Well Destroyed												
MW-11	06/21/2012	101.90	11.79	90.11	98 J	**270**	98 J	6 J	1 J	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-12	06/21/2012	101.65	11.87	89.78	**130**	**870**	**130**	**61**	<0.5	<0.8	<1	<0.8	<1	<0.8	<1	<1	<1	<1	<1	<1	<1	<1	<0.8	<1	<0.8	<1
MW-13	06/21/2012	98.47	11.66	86.81	**210**	**1,200**	**210**	**310**	15	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

					HYDROCARBONS			VOCS																				
Location	Date	TOC	DTW	GWE	TPH-HRO	TPH-DRO w/ Si Gel	TPH - Extractable	m&p-Xylenes	o-Xylene	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Bromodichloromethane	Bromoform	Bromomethane (Methyl bromide)	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform (Trichloromethane)	Chloromethane (Methyl chloride)
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ESLs - Groundwater Screening Levels [a]					**100**	**100**	**100**	**20**	**20**	**NE**	**1.0**	**NE**	**5.0**	**0.5**	**10**	**5.0**	**65**	**5.0**	**100**	**100**	**9.8**	**0.5**	**25**	**12**	**70**	**41**
MW-14	06/21/2012[31]	101.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/21/2012[31]	98.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/21/2012	101.56	18.48	83.08	50 J	**1,200**	50 J	**56**	<5	<8	<10	<8	<10	<8	<10	<10	<10	<10	<10	<10	<10	<10	<8	<10	<8	<10
MW-17	06/21/2012[30]	106.00	22.52	83.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	06/21/2012	100.94	15.10	85.84	**700**	**17,000**	**700**	**740**	**24 J**	<8	<10	<8	<10	<8	<10	<10	<10	<10	<10	<10	<10	<10	<8	<10	<8	<10
MW-19	06/21/2012	100.34	12.59	87.75	44 J	**270**	44 J	**51**	8	<0.8	<1	<0.8	<1	<0.8	<1	<1	<1	<1	<1	<1	<1	<1	<0.8	<1	<0.8	<1
P-1	06/21/2012	88.63	8.62	80.01	<39	<50	<39	<0.5	<0.5	<0.8	<1	<0.8	<1	<0.8	<1	<1	<1	<1	<1	<1	<1	<1	<0.8	<1	<0.8	<1
DVE-9	06/21/2012	102.60	12.25	90.35	**130**	**1,400**	**130**	**340**	**70**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
DVE-12	06/21/2012	101.77	11.67	90.10	49 J	**3,300**	49 J	**8,000**	**2,600**	<8	<10	<8	<10	<8	<10	<10	<10	<10	<10	<10	<10	<10	<8	<10	<8	<10
DVE-20	06/21/2012	102.64	11.99	90.65	**160**	**1,400**	**160**	**1,700**	**500**	<16	<20	<16	<20	<16	<20	<20	<20	<20	<20	<20	<20	<20	<16	<20	<16	<20
QA	06/21/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

		VOCS											SVOCS																	
Location	Date	*cis-1,2-Dichloroethene*	*cis-1,3-Dichloropropene*	*Dibromochloromethane*	*Methylene chloride*	*Tetrachloroethene*	*trans-1,2-Dichloroethene*	*trans-1,3-Dichloropropene*	*Trichloroethene*	*Trichlorofluoromethane (CFC-11)*	*Trifluorotrichloroethane (Freon 113)*	*Vinyl chloride*	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ESLs - Groundwater Screening Levels [a]		***6.0***	***NE***	***100***	***5.0***	***5.0***	***10***	***NE***	***5.0***	***NE***	***NE***	***0.50***	***20***	***30***	***0.73***	***0.027***	***0.014***	***0.029***	***0.10***	***0.029***	***0.35***	***0.0048***	***8.0***	***3.9***	***0.048***	***17***	***4.6***	***2.0***
MW-4	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	**76**	0.2 J	<0.1
MW-5	06/21/2012	<40	<50	<50	<100	<40	<40	<50	<50	<100	<100	<50	0.3 J	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	**380**	0.3 J	0.2 J
MW-6	06/21/2012	<0.8	<1	<1	<2	<0.8	<0.8	<1	<1	<2	<2	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MW-7	06/21/2012	<0.8	<1	<1	<2	<0.8	<0.8	<1	<1	<2	<2	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4 J	<0.1	<0.1
MW-8	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	**150**	0.2 J	0.2 J
MW-9	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	0.4 J	0.3 J	0.2 J	**0.1 J**	**0.1 J**	**0.2 J**	**0.3 J**	<0.1	0.2 J	<0.1	<0.1	0.3 J	0.1 J	**31**	0.4 J	0.4 J
MW-10	06/21/2012	Well Destroyed																												
MW-11	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7	<0.1	<0.1
MW-12	06/21/2012	<0.8	<1	<1	<2	<0.8	<0.8	<1	<1	<2	<2	<1	0.2 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1 J	<0.1	7	<0.1	<0.1
MW-13	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	<0.1	<0.1	<0.1	**0.2 J**	**0.4 J**	**0.7**	**0.7**	**0.3 J**	**0.4 J**	<0.1	0.3 J	0.1 J	0.5	**73**	0.1 J	0.4 J

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

		VOCS											SVOCS															
Location	Date	*cis-1,2-Dichloroethene*	*cis-1,3-Dichloropropene*	*Dibromochloromethane*	*Methylene chloride*	*Tetrachloroethene*	*trans-1,2-Dichloroethene*	*trans-1,3-Dichloropropene*	*Trichloroethene*	*Trichlorofluoromethane (CFC-11)*	*Trifluorotrichloroethane (Freon 113)*	*Vinyl chloride*	*Acenaphthene*	*Acenaphthylene*	*Anthracene*	*Benzo(a)anthracene*	*Benzo(a)pyrene*	*Benzo(b)fluoranthene*	*Benzo(g,h,i)perylene*	*Benzo(k)fluoranthene*	*Chrysene*	*Dibenz(a,h)anthracene*	*Fluoranthene*	*Fluorene*	*Indeno(1,2,3-cd)pyrene*	*Naphthalene*	*Phenanthrene*	*Pyrene*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ESLs - Groundwater Screening Levels [a]		***6.0***	***NE***	***100***	***5.0***	***5.0***	***10***	***NE***	***5.0***	***NE***	***NE***	***0.50***	***20***	***30***	***0.73***	***0.027***	***0.014***	***0.029***	***0.10***	***0.029***	***0.35***	***0.0048***	***8.0***	***3.9***	***0.048***	***17***	***4.6***	***2.0***
MW-14	06/21/2012[31]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/21/2012[31]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/21/2012	<8	<10	<10	<20	<8	<8	<10	<10	<20	<20	<10	0.2 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**40**	<0.1	<0.1
MW-17	06/21/2012[30]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	06/21/2012	<8	<10	<10	<20	<8	<8	<10	<10	<20	<20	<10	0.6	0.5	0.2 J	**0.1 J**	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	0.2 J	0.6	<0.09	**130**	0.9	0.3 J
MW-19	06/21/2012	<0.8	<1	<1	<2	<0.8	<0.8	<1	<1	<2	<2	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**46**	<0.1	<0.1
P-1	06/21/2012	<0.8	<1	<1	<2	<0.8	<0.8	<1	<1	<2	<2	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DVE-9	06/21/2012	<2	<2	<2	<4	<2	<2	<2	<2	<4	<4	<2	0.1 J	0.1 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**23**	<0.1	0.1 J
DVE-12	06/21/2012	<8	<10	<10	<20	<8	<8	<10	<10	<20	<20	<10	0.3 J	<0.1	<0.1	<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	**440**	0.2 J	0.1 J
DVE-20	06/21/2012	<16	<20	<20	<40	<16	<16	<20	<20	<40	<40	<20	0.3 J	0.1 J	<0.1	<0.1	**0.1 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2 J	<0.1	**280**	0.1 J	<0.1
QA	06/21/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

		PCBs							*METALS*																	*GENERAL CHEMISTRY*			
Location	Date	*Aroclor-1016 (PCB-1016)*	*Aroclor-1221 (PCB-1221)*	*Aroclor-1232 (PCB-1232)*	*Aroclor-1242 (PCB-1242)*	*Aroclor-1248 (PCB-1248)*	*Aroclor-1254 (PCB-1254)*	*Aroclor-1260 (PCB-1260)*	*Antimony (dissolved)*	*Arsenic (dissolved)*	*Barium (dissolved)*	*Beryllium (dissolved)*	*Cadmium (dissolved)*	*Chromium (dissolved)*	*Cobalt (dissolved)*	*Copper (dissolved)*	*Lead (dissolved)*	*Mercury (dissolved)*	*Molybdenum (dissolved)*	*Nickel (dissolved)*	*Selenium (dissolved)*	*Silver (dissolved)*	*Thallium (dissolved)*	*Vanadium (dissolved)*	*Zinc (dissolved)*	*Ferrous Iron*	*Methane*	*Nitrate Nitrogen*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ESLs - Groundwater Screening Levels [a]		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*6.0*	*36*	*1,000*	*0.53*	*0.25*	*50*	*3.0*	*3.1*	*2.5*	*0.025*	*35*	*8.2*	*5.0*	*0.19*	*2.0*	*1.5*	*81*	*NE*	*NE*	*NE*	*NE*
MW-4	06/21/2012	<0.099	<0.099	<0.20	<0.099	<0.099	<0.099	<0.15	<3.5	**54.5**	203	<0.67	<0.36	<1.1	**4.0 J**	<2.1	<5.1	<0.0081	5.7 J	5.4 J	<7.5	<1.2	<5.7	**3.4 J**	7.6 J	3,200	2,100	3,500	91,900
MW-5	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**121**	35.8	<0.67	<0.36	<1.1	**3.5 J**	<2.1	**8.4 J**	**0.041 J**	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	3.3 J	18,200	11,000	<250	2,100 J
MW-6	06/21/2012	<0.096	<0.096	<0.19	<0.096	<0.096	<0.096	<0.14	<3.5	12.5 J	137	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.20**	<2.9	1.5 J	<7.5	<1.2	<5.7	**6.0**	2.8 J	57 J	26	<250	80,500
MW-7	06/21/2012	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.15	<3.5	<6.8	217	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.094 J**	<2.9	<1.1	<7.5	<1.2	<5.7	**12.8**	5.5 J	54 J	37	6,500	64,700
MW-8	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**96.9**	136	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.044 J**	<2.9	4.9 J	<7.5	<1.2	<5.7	<1.3	3.1 J	1,000	3,200	<250	10,500
MW-9	06/21/2012	<0.096	<0.096	<0.19	<0.096	<0.096	<0.096	<0.14	<3.5	**54.5**	98.1	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	0.018 J	<2.9	<1.1	<7.5	<1.2	<5.7	**1.8 J**	5.6 J	2,600	4,900	<250	26,000
MW-10	06/21/2012	Well Destroyed																											
MW-11	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**689**	226	<0.67	<0.36	<1.1	<0.66	<2.1	**6.0 J**	0.021 J	<2.9	2.4 J	<7.5	<1.2	<5.7	<1.3	5.3 J	15,400	4,600	<250	7,300
MW-12	06/21/2012	<0.096	<0.096	<0.19	<0.096	<0.096	<0.096	<0.14	<3.5	**275**	45.1	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	0.020 J	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	45.3	7,200	3,600	<250	56,200
MW-13	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**108**	173	<0.67	<0.36	1.3 J	<0.66	<2.1	<5.1	<0.0081	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	3.1 J	4,500	5,900	<250	5,100

TABLE 3

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

		PCBs							*METALS*																	*GENERAL CHEMISTRY*			
Location	Date	*Aroclor-1016 (PCB-1016)*	*Aroclor-1221 (PCB-1221)*	*Aroclor-1232 (PCB-1232)*	*Aroclor-1242 (PCB-1242)*	*Aroclor-1248 (PCB-1248)*	*Aroclor-1254 (PCB-1254)*	*Aroclor-1260 (PCB-1260)*	*Antimony (dissolved)*	*Arsenic (dissolved)*	*Barium (dissolved)*	*Beryllium (dissolved)*	*Cadmium (dissolved)*	*Chromium (dissolved)*	*Cobalt (dissolved)*	*Copper (dissolved)*	*Lead (dissolved)*	*Mercury (dissolved)*	*Molybdenum (dissolved)*	*Nickel (dissolved)*	*Selenium (dissolved)*	*Silver (dissolved)*	*Thallium (dissolved)*	*Vanadium (dissolved)*	*Zinc (dissolved)*	*Ferrous Iron*	*Methane*	*Nitrate Nitrogen*	*Sulfate*
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ESLs - Groundwater Screening Levels [a]		*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*6.0*	*36*	*1,000*	*0.53*	*0.25*	*50*	*3.0*	*3.1*	*2.5*	*0.025*	*35*	*8.2*	*5.0*	*0.19*	*2.0*	*1.5*	*81*	*NE*	*NE*	*NE*	*NE*
MW-14	06/21/2012[31]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/21/2012[31]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	13.1 J	144	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	0.021 J	<2.9	2.4 J	<7.5	<1.2	<5.7	<1.3	4.1 J	11,700	180	<250	<1,500
MW-17	06/21/2012[30]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18	06/21/2012	<0.097	<0.097	<0.19	<0.097	<0.097	<0.097	<0.15	<3.5	**185**	101	<0.67	<0.36	<1.1	2.7 J	<2.1	**5.2 J**	**0.034 J**	<2.9	4.0 J	<7.5	<1.2	<5.7	**1.7 J**	6.4 J	4,400	4,600	<250	<1,500
MW-19	06/21/2012	<0.099	<0.099	<0.20	<0.099	<0.099	<0.099	<0.15	<3.5	**45.6**	47.3	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.028 J**	<2.9	<1.1	<7.5	<1.2	<5.7	**1.7 J**	3.4 J	4,800	91	<250	<1,500
P-1	06/21/2012	<0.098	<0.098	<0.20	<0.098	<0.098	<0.098	<0.15	<3.5	**60.5**	134	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.026 J**	5.7 J	1.9 J	<7.5	<1.2	<5.7	**9.0**	2.1 J	48,900	730	<250	2,500 J
DVE-9	06/21/2012	<0.094	<0.094	<0.19	<0.094	<0.094	<0.094	<0.14	<3.5	**208**	115	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.028 J**	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	3.7 J	4,700	3,600	<250	45,400
DVE-12	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**281**	50.3	<0.67	<0.36	1.4 J	<0.66	<2.1	<5.1	0.024 J	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	2.8 J	14,400	12,000	<250	4,300 J
DVE-20	06/21/2012	<0.095	<0.095	<0.19	<0.095	<0.095	<0.095	<0.14	<3.5	**233**	83.9	<0.67	<0.36	<1.1	<0.66	<2.1	<5.1	**0.026 J**	<2.9	<1.1	<7.5	<1.2	<5.7	<1.3	3.6 J	14,400	9,700	<250	1,800 J
QA	06/21/2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4

CUMULATIVE GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Sample Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylene*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2 DCA*	*EDB*
			Concentrations reported in micrograms per liter (µg/L)											
ESLs - Potential Vapor Intrusion Concerns [1]			*(Use Soil Gas) 10,000* [3]	*540*	*380,000*	*170,000*	*160,000*	*24,000*	*NE*	*NE*	*12*	*NE*	*0.5*	*0.05*
ESLs - Groundwater (Drinking) [2]			*100*	*1.0*	*40*	*30*	*20*	*5.0*	*NE*	*NE*	*12*	*NE*	*0.5*	*0.05*
SB-14	09/21/05	20.0	<50	<0.5	<0.5	<0.5	<0.5	**100**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-14	09/21/05	30.0	<50	<0.5	<0.5	<0.5	<0.5	**87**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-14	09/21/05	42.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-13	09/21/05	20.0	<50	<0.5	<0.5	<0.5	<0.5	**36**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-13	09/21/05	30.0	<50	<0.5	<0.5	<0.5	<0.5	**100**	<0.5	<0.5	<5.0	<0.5	**4.0**	<0.5
SB-12	09/21/05	18.0	**400**	**4.0**	<0.5	5.0	**12**	**6.0**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-12	09/21/05	28.0	**1,300**	**2.0**	1.0	17	**64**	<0.5	<0.5	<0.5	<5.0	<0.5	**1.0**	<0.5
SB-12	09/21/05	42.0	**2,300**	**1.0**	1.0	21	**77**	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-11	09/20/05	16.0	**2,700**	**17**	2.0	**67**	16	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
SB-11	09/20/05	28.0	**13,000**	**60**	20	**740**	**100**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
CPT-10	08/17/05	24.0	**3,100**	**390**	**49**	**110**	**49**	**22**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-10	08/17/05	31.0	**2,800**	**500**	24	**59**	16	**130**	<1.0	<1.0	**60**	<1.0	<1.0	<1.0
CPT-10	08/17/05	42.0	**6,100**	**1,000**	23	1.0	**41**	**43**	<1.0	<1.0	**130**	<1.0	<1.0	<1.0
CPT-10	08/17/05	50.0	<50	**3.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-10	08/17/05	60.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-9	08/16/05	28.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-9	08/16/05	34.0	<50	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-9	08/16/05	43.0	**7,800**	**1,700**	23	11	**54**	**130**	<3.0	<3.0	**180**	<3.0	<3.0	<3.0
CPT-9	08/16/05	60.0	<50	**4.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

TABLE 4

CUMULATIVE GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Sample Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylene*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2 DCA*	*EDB*
			Concentrations reported in micrograms per liter (µg/L)											
ESLs - Potential Vapor Intrusion Concerns [1]			*(Use Soil Gas) 10,000* [3]	*540*	*380,000*	*170,000*	*160,000*	*24,000*	*NE*	*NE*	*12*	*NE*	*0.5*	*0.05*
ESLs - Groundwater (Drinking) [2]			*100*	*1.0*	*40*	*30*	*20*	*5.0*	*NE*	*NE*	*12*	*NE*	*0.5*	*0.05*
CPT-8	08/15/05	26.0	85	<0.5	<0.5	<0.5	<0.5	**9.0**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-8	08/15/05	42.0	<50	0.6	<0.5	<0.5	<0.5	**89**	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-8	08/15/05	51.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-8	08/15/05	60.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-2	06/17/05	38.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-6	06/16/05	19.0	**130,000**	**7,000**	**29,000**	**2,700**	**15,000**	**48**	<25	<25	<250	<25	<25	<25
CPT-6	06/16/05	39.0	**130,000**	**1,100**	**5,500**	**1,800**	**10,000**	**5.0**	<3.0	<25	<3.0	<3.0	<3.0	<3.0
CPT-5	06/16/05	19.0	**62,000**	**3,800**	**6,900**	**2,300**	**8,900**	**53**	<5.0	<5.0	**390**	<5.0	<5.0	<5.0
CPT-5	06/16/05	40.0	**5,500**	**1,400**	17	14	**43**	**37**	<1.0	<1.0	**87**	<1.0	<1.0	<1.0
CPT-7	06/15/05	18.0	**38,000**	**170**	**23,000**	**3,400**	**22,000**	<25	<25	<25	<250	<25	<25	<25
CPT-7	06/15/05	30.0	**3,100**	**1.0**	**280**	**110**	**640**	<0.5	**1.0**	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-7	06/15/05	39.0	**1,200**	**1.0**	**180**	**57**	**330**	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-7	06/15/05	46.0	**2,400**	0.7	**130**	**45**	**280**	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-4	06/15/05	19.0	**11,000**	**160**	**280**	**400**	**1,000**	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
CPT-4	06/15/05	39.0	**250**	**2.0**	3.0	12	**23**	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-3	06/14/05	24.0	**120**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5
CPT-3	06/14/05	44.0	**460**	**110**	2.0	1.0	**52**	<0.5	<0.5	<0.5	11	<0.5	<0.5	<0.5
CPT-1	06/13/05	27.0	**28,000**	**1,900**	**120**	**2,500**	**4,600**	<3.0	<3.0	<3.0	<25	<3.0	<3.0	<3.0

TABLE 4

CUMULATIVE GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Sample ID	*Date*	*Sample Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylene*	*MTBE*	*DIPE*	*TAME*	*TBA*	*ETBE*	*1,2 DCA*	*EDB*
			Concentrations reported in micrograms per liter (µg/L)											
ESLs - Potential Vapor Intrusion Concerns [1]			***(Use Soil Gas) 10,000*** [3]	***540***	***380,000***	***170,000***	***160,000***	***24,000***	***NE***	***NE***	***12***	***NE***	***0.5***	***0.05***
ESLs - Groundwater (Drinking) [2]			***100***	***1.0***	***40***	***30***	***20***	***5.0***	***NE***	***NE***	***12***	***NE***	***0.5***	***0.05***
CPT-1	06/13/05	37.0	**2,200**	**17**	<0.5	8.0	**33**	**75**	<0.5	**18**	**58**	<0.5	<0.5	<0.5
CPT-1	06/13/05	43.0	**1,600**	**85**	1.0	0.8	1.0	**24**	<0.8	<0.8	**16**	<0.8	<1.0	<1.0

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), di-isopropyl ether (DIPE), t-Amyl methyl ether (TAME), t-Butyl alcohol (TBA), ethyl t-butyl ether (ETBE), 1,2-Dichloroethane (1,2-DCA) and 1,2-Dibromoethane (EDB) by EPA Method 8260B

<x = Not detected above method detection limit

fbg = feet below grade

ESLs = Environmental screening levels

1 = Table E-1 - Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

2 = Table F-1a - Groundwater Screening Levels (groundwater is a current or potential drinking water resource) from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

3 = Table E - Environmental Screening Levels for Indoor Air and Soil Gas (Vapor Intrusion Concern) from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.

TABLE 5

WELL CONSTRUCTION DATA
FORMER CHEVRON SERVICE STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

Well ID	*Casing Diameter (inches)*	*Screen Interval (fbg)*	*Filterpack Interval (fbg)*	*Seal Interval (fbg)*	*Date Installed*	*Date Modified*	*Maximum Historical GWE (ft-msl)*	*Minimum Historical GWE (ft-msl)*	*Quarters Sampled*
MW-4	4	6 - 22	5 - 22	0 - 5	01/20/88	---	90.17	81.05	2,4
MW-5	4	10 - 25	8 - 25	0 - 8	01/20/88	08/05/06	89.77	77.12	1,2,3,4
MW-6	4	6 - 17	5 - 17	0 - 5	01/20/88	---	91.71	84.81	1,3
MW-7	4	5.5 - 18.5	4.5 - 18.5	0 - 5	01/20/88	---	91.56	82.72	2,4
MW-8	4	9 - 19	8 - 19	0 - 8	01/20/88	---	90.26	82.62	2,4
MW-9	4	9 - 19	8 - 19	0 - 8	01/20/88	---	91.49	84.03	1,3
MW-10	4	17 - 27	15.5 - 27	0 - 15.5	01/20/88	---	95.47	86.42	Destroyed
MW-11	4	10 - 25	8 - 28	0 - 8	06/06/89	08/05/06	90.34	78.00	1,2,3,4
MW-12	4	10 - 25	8 - 28	0 - 8	06/07/89	08/05/06	89.47	77.41	1,2,3,4
MW-13	4	8 - 18	4 - 18	0 - 4	06/07/89	---	89.17	54.21	1,3
MW-14	2	23 - 41.5	20.5 - 41.5	0 - 20.5	06/15/90	---	85.40	77.99	1,2,3,4
MW-15	2	16.5 - 22.5	15.5 - 22.5	0 - 15.5	06/16/90	---	78.63	89.53	1,2,3,4
MW-16	2	25 - 39.5	23 - 39.5	0 - 23	06/16/90	---	84.13	76.52	1,2,3,4
MW-17	2	18 - 38	17 - 38	0 - 17	09/04/92	---	81.26	95.39	1
MW-18	4	15 - 25	13 - 25	0 - 13	07/16/97	---	87.33	83.34	1,3
MW-19	4	35 - 45	32 - 45	0 - 32	08/05/06	---	89.70	84.31	1,2,3,4
DVE-9	4	10 - 25	8 - 28	0 - 8	07/17/97	08/05/06	91.51	77.65	1,2,3,4
DVE-12	4	10 - 25	8 - 28	0 - 8	07/17/97	08/05/06	91.84	77.15	1,2,3,4
DVE-20	4	10 - 25	8 - 28	0 - 8	08/05/06	---	92.34	78.11	1,2,3,4
P-1	1	16 - 21	15 - 21	0 - 15	09/04/92	---	76.57	80.10	1,2,3,4

Notes:

GWE = Groundwater Elevation
Fbg = feet below grade
Ft-msl = feet above mean sea level
NS = not sampled

TABLE 6

CUMULATIVE VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

													Aliphatic Hydrocarbons				Aromatic Hydrocarbons						
Sample ID	*Date*	*Probe Depth (fbg)*	*Total Detected Hydrocarbons*	*Peaks Prior to Benzene*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes* [a]	*MTBE*	*Naphtha-lene*	*TBA*	*C5 - C6*	*>C6 - C8*	*>C8 - C10*	*>C10 - C12*	*>C8 - C10*	*>C10 - C12*	O_2	*Nitrate as Nitrogen*	CO_2	CH_4	*He*
			Concentrations reported in micrograms per cubic meter (µg/m³)																*Reported in % Volume*				
ESLs - Soil Gas, Residential					***10,000***	***84***	***63,000***	***980***	***21,000***	***9,400***	***72***	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
ESLs - Soil Gas, Commercial/Industrial					***29,000***	***280***	***180,000***	***3,300***	***58,000***	***31,000***	***240***	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
Vapor samples collected from permanent soil vapor probes																							
2012 CRA Vapor Sampling																							
VP-1	06/26/12	3.5-4.0	---	---	2,500	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17	<53	<68	<96	980	<81	<90	18	77	4.6	<0.00021	<0.10
VP-1	06/26/12	8.5-9.0	---	---	2,200	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17	<53	<68	<96	750	<81	<90	7.9	89	3.1	0.013	<0.10
VP-1	06/26/12	8.5-9.0[c]	---	---	1,900	<2.6	<3.1	<3.6	<3.6	<3.6	<3.0	<17	<53	<68	<96	680	<81	<90	7.4	90	3.0	0.012	<0.13
VP-3	06/26/12	3.5-4.0	---	---	6,500	<2.6	<3.0	<3.5	<3.5	<3.5	<2.9	<17	2,000	310	<94	190	<79	<88	19	77	4.2	0.00041	<0.11
VP-3	06/26/12	8.5-9.0	---	---	1,800	<2.7	<3.2	<3.6	<3.6	<3.6	<3.0	<18	<54	<69	<98	530	<82	<92	12	87	0.95	0.0017	<0.10
2003 - 2005 Cambria Quarterly Vapor Sampling [b]																							
VP-1	07/12/05	3.5-4.0	---	---	3,400	<4.8	62	22	110	<22		<18	---	---	---	---	---	---	12	---	6.2	<0.00030	---
VP-1[d]	12/22/04	3.5-4.0	---	---	1,900	<2.6	<3.0	<3.5	3.9	<12		<9.8	---	---	---	---	---	---	---	---	---	---	---
VP-1	12/21/04	3.5-4.0	---	---	1,600	<2.5	4.1	<3.4	12.2	<11		<9.6	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	09/30/04	3.5-4.0	---	---	5,700	<5.0	<6.0	<6.9	<6.9	<23		<19	---	---	---	---	---	---	19	---	3.8	---	---
VP-1[d]	05/26/04	3.5-4.0	---	---	7,400	<2.5	3.8	8.5	48	<11		11	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	01/23/04	3.5-4.0[e]	---	---	**11,000**	<6.3	<7.4	<8.6	<8.6	<28		<24	---	---	---	---	---	---	9.5	---	4.4	0.00018	---
VP-1[d]	01/23/04	3.5-4.0	---	---	**69,000**	<39	<46	<54	<54	<180		<150	---	---	---	---	---	---	8.0	---	4.7	0.00021	---
VP-1[d]	08/26/03	3.5-4.0	---	---	**60,000**	<21	26	<28	<28	<94		<79	---	---	---	---	---	---	---	---	---	---	---
VP-1	07/12/05	8.5-9.0	---	---	2,400	<4.3	32	12	68	<19		<16	---	---	---	---	---	---	12	---	2.7	<0.00027	---
VP-1	07/12/05	8.5-9.0[c]	---	---	2,100	<4.3	31	12	71	<19		<16	---	---	---	---	---	---	12	---	2.8	<0.00027	---
VP-1	12/21/04	8.5-9.0	---	---	3,800	<2.4	<2.9	<3.3	4.9	<11		<9.2	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	09/30/04	8.5-9.0	---	---	**14,000**	<24	<28	<32	<32	<110		<90	---	---	---	---	---	---	17	---	5.6	---	---
VP-1[d]	05/26/04	8.5-9.0	---	---	**15,000**	<2.4	<2.8	<3.2	<3.2	<11		<9.0	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	LAB DUPLICATE		---	---	**18,000**	<9.4	<11	<13	<13	<42		<35	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	01/23/04	8.5-9.0	---	---	**18,000**	<9.4	<11	<13	<13	<42		<35	---	---	---	---	---	---	16	---	2.6	0.00018	---
VP-1[d]	08/26/03	8.5-9.0	---	---	**81,000**	<26	<31	<36	<36	<120		<99	---	---	---	---	---	---	---	---	---	---	---
VP-1	07/12/05	12.5-13.0	---	---	2,500	<94	<110	<130	<130	<430		<360	---	---	---	---	---	---	19	---	0.23	<0.00030	---
VP-1	12/21/04	12.5-13.0	---	---	1,600	<3.0	5.6	<4.1	5.7	<14		<16	---	---	---	---	---	---	---	---	---	---	---
VP-1[d]	10/01/04	12.5-13.0	---	---	**460,000**	<1700	<2000	<2300	<2300	<7700		<6500	---	---	---	---	---	---	16	---	4.5	0.012	---
VP-1[d]	05/26/04	12.5-13.0	---	---	NS	NS	NS	NS	NS	NS		NS	---	---	---	---	---	---	NS	---	NS	NS	---
VP-1[d]	01/23/04	12.5-13.0	---	---	**75,000**	<24	<28	<33	<33	<110		<92	---	---	---	---	---	---	3.5	---	6	0.0038	---
VP-1[d]	08/26/03	12.5-13.0	---	---	**160,000**	26	25	<16	17	<52		<44	---	---	---	---	---	---	---	---	---	---	---
VP-2	07/12/05	3.5-4.0	---	---	3,600	<4.1	99	41	220	<19		31	---	---	---	---	---	---	---	---	---	---	---

TABLE 6

CUMULATIVE VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

													Aliphatic Hydrocarbons				Aromatic Hydrocarbons						
Sample ID	Date	Probe Depth (fbg)	Total Detected Hydrocarbons	Peaks Prior to Benzene	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes[a]	MTBE	Naphtha-lene	TBA	C5 - C6	>C6 - C8	>C8 - C10	>C10 - C12	>C8 - C10	>C10 - C12	O_2	Nitrate as Nitrogen	CO_2	CH_4	He
			Concentrations reported in micrograms per cubic meter (µg/m³)																Reported in % Volume				
ESLs - Soil Gas, Residential					*10,000*	*84*	*63,000*	*980*	*21,000*	*9,400*	*72*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
ESLs - Soil Gas, Commercial/Industrial					*29,000*	*280*	*180,000*	*3,300*	*58,000*	*31,000*	*240*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
VP-2[d]	12/22/04	3.5-4.0	---	---	340	<6.5	<7.6	<8.8	<8.8	<29		<24	---	---	---	---	---	---	---	---	---	---	---
VP-2	12/21/04	3.5-4.0	---	---	1,200	<2.5	<2.9	<3.4	<3.4	<11		<9.4	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	LAB DUPLICATE		---	---	4,400	<4.4	8.2	<5.9	<5.9	<20		24	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	09/29/04	3.5-4.0	---	---	4,100	<4.4	7.6	<5.9	<5.9	<20		24	---	---	---	---	---	---	20	---	2	---	---
VP-2[d]	05/26/04	3.5-4.0	---	---	**12,000**	<2.6	3.1	<3.5	6.3	<12		34	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	01/23/04	3.5-4.0	---	---	**13,000**	<6.4	9.6	<8.8	<8.8	<29		<24	---	---	---	---	---	---	12	---	0.34	<0.00015	---
VP-2[d]	08/26/03	3.5-4.0	---	---	**63,000**[f]	<11	160	<15	18	<49		<41	---	---	---	---	---	---	---	---	---	---	---
VP-2	07/12/05	8.5-9.0	---	---	**24,000**	<790	<930	<1100	<1100	<3600		<3000	---	---	---	---	---	---	16	---	0.45	0.00025	---
VP-2	LAB DUPLICATE		---	---	---	---	---	---	---	---		---	---	---	---	---	---	---	16	---	0.45	<0.00025	---
VP-2	12/21/04	8.5-9.0	---	---	2,400	<2.7	<3.2	<3.6	<3.6	<12		<10	---	---	---	---	---	---	---	---	---	---	---
VP-2	12/21/04	8.5-9.0[c]	---	---	1,800	<2.4	<2.9	<3.3	<3.3	<11		<9.2	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	09/30/04	8.5-9.0	---	---	6,400	<3.5	<4.1	<4.8	<4.8	<16		<13	---	---	---	---	---	---	19	---	0.23	0.00018	---
VP-2[d]	09/30/04	8.5-9.0[c]	---	---	6,200	<13	<15	<18	<18	<59		<50	---	---	---	---	---	---	19	---	0.24	---	---
VP-2[d]	05/26/04	8.5-9.0	---	---	**14,000**[g]	<2.8	3.7	<3.9	<3.9	<13		46	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	05/26/04	8.5-9.0[c]	---	---	**16,000**[g]	<130	<150	<170	<170	<580		<490	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	01/26/04	8.5-9.0	---	---	**47,000**	<25	<29	<34	<34	<110		<94	---	---	---	---	---	---	10	---	0.005	<0.00015	---
VP-2[d]	LAB DUPLICATE		---	---	---	---	---	---	---	---		---	---	---	---	---	---	---	10	---	0.005	<0.00015	---
VP-2[d]	08/26/03	8.5-9.0	---	---	**66,000**[f]	13	77	<15	<15	<50		<44	---	---	---	---	---	---	---	---	---	---	---
VP-2	07/12/05	12.5-13.0	---	---	5,600	7.0	52.0	<8.0	<8.0	380		<22	---	---	---	---	---	---	16	---	1.1	<0.00037	---
VP-2	12/21/04	12.5-13.0	---	---	9,800	9.2	5.4	<3.4	5.8	64		<9.6	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	10/01/04	12.5-13.0	---	---	**360,000**	<2100	<2500	<2900	<2900	<9700		<8100	---	---	---	---	---	---	7.4	---	5.4	0.0041	---
VP-2[d]	LAB DUPLICATE		---	---	---	---	---	---	---	---		---	---	---	---	---	---	---	7.4	---	5.4	0.0042	---
VP-2[d]	05/26/04	12.5-13.0	---	---	<68,000	<2700	<3100	<3600	<3600	<12000		<10000	---	---	---	---	---	---	---	---	---	---	---
VP-2[d]	01/26/04	12.5-13.0	---	---	**2,500,000**	<1400	<1600	<1900	<1900	<6200		<5200	---	---	---	---	---	---	17	---	0.69	0.0011	---
VP-2[d]	08/26/03	12.5-13.0	---	---	**96,000**[f]	14	130	<15	26	95		<42	---	---	---	---	---	---	---	---	---	---	---
VP-3	07/12/05	3.5-4.0	---	---	1,800	<4.0	100	36	180	<18		<15	---	---	---	---	---	---	17	---	3.6	<0.00025	---
VP-3	LAB DUPLICATE		---	---	1,400	<4.0	100	38	180	<18		<15	---	---	---	---	---	---	---	---	---	---	---
VP-3	12/22/04	3.5-4.0	---	---	2,000	<2.2	4.3	<3.0	7	<9.8		<8.2	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	09/29/04	3.5-4.0	---	---	4,900	<2.6	27	<3.5	6.4	<12		<9.8	---	---	---	---	---	---	21	---	1.2	---	---
VP-3[d]	05/26/04	3.5-4.0	---	---	**10,000**	<2.7	<3.1	<3.6	5.1	<12		<10	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	01/26/04	3.5-4.0	---	---	**22,000**	<12	<15	<17	<17	<57		<48	---	---	---	---	---	---	12	---	0.13	<0.00016	---
VP-3[d]	08/26/03	3.5-4.0	---	---	**53,000**	<10	28	<14	<14	<45		<38	---	---	---	---	---	---	---	---	---	---	---
VP-3	07/12/05	8.5-9.0	---	---	160	<3.5	4.9	<4.8	<4.8	<16		<13	---	---	---	---	---	---	20	---	0.022	<0.00022	---

TABLE 6

CUMULATIVE VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

													Aliphatic Hydrocarbons				Aromatic Hydrocarbons						
Sample ID	*Date*	*Probe Depth (fbg)*	*Total Detected Hydrocarbons*	*Peaks Prior to Benzene*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*[a]	*MTBE*	*Naphth a-lene*	*TBA*	*C5 - C6*	*>C6 - C8*	*>C8 - C10*	*>C10 - C12*	*>C8 - C10*	*>C10 - C12*	O_2	*Nitrate as Nitrogen*	CO_2	CH_4	*He*
			Concentrations reported in micrograms per cubic meter (µg/m³)																*Reported in % Volume*				
ESLs - Soil Gas, Residential					***10,000***	***84***	***63,000***	***980***	***21,000***	***9,400***	***72***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
ESLs - Soil Gas, Commercial/Industrial					***29,000***	***280***	***180,000***	***3,300***	***58,000***	***31,000***	***240***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***	***NE***
VP-3	12/22/04	8.5-9.0	---	---	3,200	<2.5	<2.9	<3.4	3.7	<11		<9.4	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	09/29/04	8.5-9.0	---	---	8,000	<2.6	15	<3.6	5	<12		<9.9	---	---	---	---	---	---	18	---	3	0.00018	---
VP-3[d]	05/26/04	8.5-9.0	---	---	**12,000**	2.3	18	<3.1	7.9	<10		<8.7	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	LAB DUPLICATE		---	---	**12,000**	<2.3	18	<3.1	7.6	<10		<8.7	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	01/26/04	8.5-9.0	---	---	**390,000**	<260	<300	<350	<350	<1200		<970	---	---	---	---	---	---	9.5	---	0.86	<0.00016	---
VP-3[d]	08/26/03	8.5-9.0	---	---	**68,000**	17	46	<14	<14	<48		<40	---	---	---	---	---	---	---	---	---	---	---
VP-3	07/12/05	12.5-13.0	---	---	**36,000**	<690	<810	<940	<940	<3100		<2600	---	---	---	---	---	---	20	---	0.022	<0.00022	---
VP-3	12/22/04	12.5-13.0	---	---	**29,000**	**560**	42	24	39	<21		<17	---	---	---	---	---	---	---	---	---	---	---
VP-3	LAB DUPLICATE		---	---	**29,000**	**560**	41	25	42	<21		<17	---	---	---	---	---	---	---	---	---	---	---
VP-3[d]	09/29/04	12.5-13.0	---	---	**740,000**	160	<150	<180	<180	<590		<500	---	---	---	---	---	---	13	---	5.1	0.00055	---
VP-3[d]	05/26/04	12.5-13.0	---	---	NS	NS	NS	NS	NS	NS		NS	---	---	---	---	---	---	NS	---	NS	NS	---
VP-3[d]	01/26/04	12.5-13.0	---	---	**11,000**	11	24	<15	16	<49		<41	---	---	---	---	---	---	14	---	1	<0.00067	---
VP-3[d]	08/26/03	12.5-13.0	---	---	**140,000**	54	27	<14	21	<46		<39	---	---	---	---	---	---	---	---	---	---	---
2005 Cambria Subsurface Investigation																							
CPT-1	06/13/05	8.0	---	---	4,700	9.0	10	<5.2	5.9 d	<17[h]		---	---	---	---	---	---	---	19	---	0.94	0.00036	---
CPT-1[i]	06/13/05	8.0	---	---	4,500	8.4	10	<5.2	5.7 d	<17[h]		---	---	---	---	---	---	---	19	---	0.93	0.00035	---
CPT-1	06/13/05	12.0	---	---	**26,000**	18	10	<5.2	6.1 d	<17[h]		---	---	---	---	---	---	---	20	---	0.095	0.00027	---
CPT-2	06/17/05	8.0	---	---	7,900	14	13	<5.2	<5.2 d	<17[h]		---	---	---	---	---	---	---	19	---	1.7	<0.00024	---
CPT-2	01/23/04	12.0	---	---	**14,000**	<7.2	<8.4	<13	<13 d	<42[h]		---	---	---	---	---	---	---	18	---	0.18	<0.00045	---
CPT-3[j]	06/14/05	10.0	---	---	1,800	<19	<23	<26	<26 d	<87[h]		---	---	---	---	---	---	---	20	---	0.073	<0.00024	---
CPT-3[j, e]	06/14/05	10.0	---	---	1,900	<22	<26	<30	<30 d	<100[h]		---	---	---	---	---	---	---	20	---	0.068	<0.00028	---
CPT-7[j]	06/15/05	8.0	---	---	**33,000**	78	20	<10	<10 d	<34[h]		---	---	---	---	---	---	---	18	---	1.9	0.047	---
CPT-8	08/15/05	9.0	---	---	700	<3.8	5.6	<5.2	<5.2 d	<17[h]		---	---	---	---	---	---	---	20	---	0.066	<0.00024	---
CPT-8	08/15/05	12.0	---	---	900	<4.0	<4.8	<5.5	<5.5 d	<18[h]		---	---	---	---	---	---	---	20	---	0.093	<0.00025	---
CPT-9	08/16/05	9.0	---	---	570	<3.9	<4.6	<5.2	<5.2 d	<17[h]		---	---	---	---	---	---	---	20	---	0.055	<0.00024	---
CPT-9	08/16/05	12.0	---	---	2,000	<3.8	5.3	<5.2	5.4 d	<17[h]		---	---	---	---	---	---	---	20	---	0.084	0.00032	---
CPT-10	08/17/05	9.0	---	---	1,700	<3.9	6.2	<5.2	8.4 d	<17[h]		---	---	---	---	---	---	---	20	---	0.092	0.00025	---
CPT-10	08/17/05	12.0	---	---	1,600	4.9	4.5	<5.0	<5.0 d	<17[h]		---	---	---	---	---	---	---	20	---	0.092	0.00026	---
Grab-Vapor Samples[h]:																							
1987 EA Soil Vapor Contaminant Assessment																							
MW-1	12/01/87	---	10	5-10	---	<1	<5	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
MW-2	12/01/87	---	30	20	---	<1	<5	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/01/87	---	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---

TABLE 6

CUMULATIVE VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

													Aliphatic Hydrocarbons				Aromatic Hydrocarbons						
Sample ID	*Date*	*Probe Depth (fbg)*	*Total Detected Hydrocarbons*	*Peaks Prior to Benzene*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*[a]	*MTBE*	*Naphth a-lene*	*TBA*	*C5 - C6*	*>C6 - C8*	*>C8 - C10*	*>C10 - C12*	*>C8 - C10*	*>C10 - C12*	O_2	*Nitrate as Nitrogen*	CO_2	CH_4	*He*
			Concentrations reported in micrograms per cubic meter (µg/m³)																*Reported in % Volume*				
ESLs - Soil Gas, Residential					*10,000*	*84*	*63,000*	*980*	*21,000*	*9,400*	*72*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
ESLs - Soil Gas, Commercial/Industrial					*29,000*	*280*	*180,000*	*3,300*	*58,000*	*31,000*	*240*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
V1	12/01/87	3	5	<2	---	<1	<5	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V2	12/01/87	3	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V3	12/01/87	2	100	60	---	5-10	10	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V4	12/01/87	2	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V5	12/01/87	3	1-5	<1	---	<1	1-5	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V5	12/01/87	5.5	1	<1	---	<1	1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V5	12/01/87	8	1	<1	---	<1	1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V6	12/01/87	3	4,300	2,550	---	**550**	300	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V6	12/01/87	5.5	130	40	---	30	20	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V6	12/01/87	8	1,900	1,200	---	**200**	160	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V7	12/01/87	3	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V7	12/01/87	5.5	200	150	---	15	20	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V7	12/01/87	8	30	30	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V8	12/01/87	3	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V9	12/01/87	3	<5	<5	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V10	12/01/87	5.5	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V11	12/01/87	3	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V11	12/01/87	8	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V12	12/01/87	3	30	25	---	<1	1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V12	12/01/87	5.5	20	20	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---
V13	12/01/87	3	<1	<1	---	<1	<1	---	---	---		---	---	---	---	---	---	---	---	---	---	---	---

TABLE 6

CUMULATIVE VAPOR ANALYTICAL DATA
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

												Aliphatic Hydrocarbons				*Aromatic Hydrocarbons*						
Sample ID	*Date*	*Probe Depth (fbg)*	*Total Detected Hydrocarbons*	*Peaks Prior to Benzene*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes* [a]	*MTBE*	*Naphth a-lene*	*TBA*	*C5 - C6*	*>C6 - C8*	*>C8 - C10*	*>C10 - C12*	*>C8 - C10*	*>C10 - C12*	*O_2*	*Nitrate as Nitroge n*	*CO_2*	*CH_4*	*He*
			Concentrations reported in micrograms per cubic meter (µg/m³)																*Reported in % Volume*				
ESLs - Soil Gas, Residential					***10,000***	***84***	***63,000***	***980***	***21,000***	***9,400***	***72***	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
ESLs - Soil Gas, Commercial/Industrial					***29,000***	***280***	***180,000***	***3,300***	***58,000***	***31,000***	***240***	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*

Notes:

Total detected hydrocarbons and peaks prior to benzene analyzed by gas chromatograph/photo ionization detector
Total petroleum hydrocarbons as gasoline analyzed by EPA Method TO-15
Benzene and toluene analyzed by gas chromatograph/photo ionization detector in 1987, subsequently analyzed by EPA Method TO-15
Ethylbenzene, total xylenes, methyl tertiary butyl ether (MTBE), naphthalene, and tertiary butyl alcohol (TBA) analyzed by EPA Method TO-15
Oxygen (O_2), nitrate as nitrogen, carbon dioxide (CO_2), methane (CH_4), and helium (He) were analyzed by ASTM D-1946M
Aliphathic Hydrocarbons (C5-C6 Pentane + Hexane; C6-C8 Heptane; C-8-C10 Decane; and C10-C12 Dodecane) by Modified EPA Method TO-15 APH
Aromatic Hydrocarbons (C8-C10 1,2,3-TMB and C10-C12 1,2,4,5-TMB) by Modified EPA Method TO-15 APH
<x = Not detected above method detection limit
fbg = Feet below grade
NS = Not sampled: screened interval submerged
ESLs = Environmental Screening Levels from Table E-2 - Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion Concerns from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater prepared by the California Regional Water Quality Control Board - San Francisco Bay Region, Interim Final November 2007, revised May 2008.
bold = concentrations detected at or above Soil Gas ESLs
a = Highest value of Xylenes noted (m,p-Xylene or o-Xylene)
b = Vapor samples collected from permanent soil vapor probes, using more advanced sampling equipment than previous sampling events
c = Field duplicate collected simultaneously with original sample
d = Results from using old sampling apparatus. As of 4Q04, new sampling apparatus used.
e = Field duplicate collected immediately after original sample
f = Values may contain up to an 11% error due to sampling system malfunction.
g = 2-propanol exceeded valid leak check compound concentration
h = Except for MTBE, no other analyzed fuel oxygenates were detected
i = Lab method duplicate
j = 2-propanol exceeded valid leak check compound concentrations
k = Grab-vapor samples extracted from the subsurface using temporary subsurface probes and analyzed onsite with a gas chromatograph/photo ionization detector

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

April 18, 2012

Mr. Mark Horne
6111 Bollinger Canyon Road
San Ramon, CA 94583-2324
(sent via electronic mail to
MarkHorne@chevron.com)

Mr. David Patten
6111 Bollinger Canyon Road
San Ramon, CA 94583-2
(sent via electronic mail to
DRPatten@chevron.com)

Subject: Request for a Soil, Groundwater, and Soil Vapor Investigation Work Plan; Fuel Leak Case No. RO0000383 (Global ID # T0600100315), Chevron #9-0260, 21995 Foothill Boulevard, Hayward, CA 94541

Dear Messieurs. Horne & Patten:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the *Soil and Groundwater Report and Site Conceptual Model,* dated February 5, 2010, the *Remediation Summary Report,* dated February 11, 2010, the *Well Destruction Report*, dated January 19, 2012, and the *Fourth Quarter 2011, Groundwater Monitoring and Sampling Report,* dated January 24, 2012. The reports were prepared and submitted on your behalf by Conestoga Rovers Associates (CRA). Thank you for submitting the reports; they help document activities which have occurred over a period of time at the referenced site. The *Soil and Groundwater Report and Site Conceptual Model* documents the installation of ten CPT bores (on- and off-site), and four offsite soil bores along the San Lorenzo Creek channel in June 2005. The CPT bores identified a deep granular water-bearing zone beneath the site and vicinity. This report also documents that of the seven deep water-bearing zone wells subsequently proposed as followup to the CPT discovery of the deeper zone (as proposed in a November 2005 work plan, and approved in a November 2005 agency letter), only onsite well MW-19 has been installed. The report also documents the results of CPT soil vapor sampling and the community public notification and a door to door well survey questionnaire. The *Remediation Summary Report* documents remedial progress at the site, and documents the installation of a DPE system at the site, system startup, cycling of the system to investigate contaminant rebound, and eventual system shut down and a summary of performance metrics. This report recommended that contaminant rebound be monitored for two quarters after system shut down (December 2009); however, no further recommendations appear to have been issued. Review of the *Fourth Quarter 2011, Groundwater Monitoring and Sampling Report* indicates that contaminant rebound appears to be present in shallow water-bearing zone wells; however, of concern is significant post DPE system contaminant rebound in deep water-bearing zone well MW-19 (<50 µg/l to 32,000 µg/l TPHg, <0.5 to 10,000 µg/l benzene). This is within approximately 85 feet of a residential well (reported to be unused) and currently pending decommissioning by Chevron. The presence of significant concentrations of contamination in the deep water-bearing zone (both in previous times and again currently) indicates the upper and lower water-bearing zones are in connection, accounting for the presence of significant contamination in groundwater up to 30 feet below its first depth of encounter, and the continued presence of not insignificant residual mass beneath the site. As a consequence, and based on ACEH staff review of the case file, we request that you address the following technical comments and send us the reports described below.

TECHNICAL COMMENTS

1) **Request for Contaminant Delineation / Remedial System Confirmation Sampling** – As indicated above, significant residual contaminant mass appears to be present at the site and site vicinity. It appears appropriate to investigate the location of potential residual-mass sources in an effort to limit the length of future remedial actions at the site. While the site and vicinity have a significant number of soil bores and wells it appears that the former UST excavation has not been directly investigated since removal of the USTs, nor has the pea gravel backfilled excavation been investigated for the presence of free-phase product. The 1996 UST removal report documents that free-phase product infiltrated into the UST excavation from the northeastern corner at the time of tank removal and that 960 gallons of groundwater and free-phase product were removed at that time. While extraction wells for the Two-Phased Extraction (TPE) and Dual-Phase Extraction (DPE) remedial actions were installed around the area of the excavation, the granular backfilled excavation does not appear to have been specifically targeted by an investigation. Based on the size of the groundwater plume ACEH suspects additional free-phase may have been, or may be, present. Installation of a soil bore through the former UST pit has been a request since a July 22, 2004 directive letter, and at a minimum the placement of a bore at this location remains unfulfilled.

   At present, soil analytical data collected to date appears to have found a very limited extent of shallow soil contamination to be present at the site, namely in the vicinity of the former dispenser islands. It would appear appropriate to attempt to identify shallow, or other, residual-mass sources that continue to contribute mass to groundwater. Because the site is fully unpaved, the yearly weather cycle may be flushing residual contamination to groundwater.

   The *Soil and Groundwater Report and Site Conceptual Model* also identified lateral delineation of the groundwater plume to the south as a data gap, and proposed the installation of a well in Hazel Street to fill that data gap due to an inability to gain access to properties across Rex Road. ACEH is not in agreement with the installation of a well 400 to 500 feet laterally to fill this data gap. ACEH is also not aware of an effort to access properties across Rex Road. If this information and effort has been overlooked, please inform ACEH of the location of this information. Please also be aware that ACEH can provide assistance in accessing property across Rex Road, and can issue letters requesting property access cooperation to, and by, offsite property owners.

   The request for onsite bores can additionally provide initial confirmation sampling for all previous remedial efforts that have occurred at the site. This is a standing request since the July 22, 2004 ACEH directive letter, that appears to have previously been set to the side according to the cited reports, due to the recognized need for additional remedial actions. As a consequence ACEH requests a work plan, by the date identified below, to conduct this work. Because these bores will have a differing purpose than those requested above, ACEH requests delineation of the purpose of each proposed bore.

2) **Request for Soil Vapor Survey and Community Building Stock Survey** – ACEH is in agreement that conducting a soil vapor survey, identified as a data gap in the *Soil and Groundwater Report and Site Conceptual Model* report, is appropriate. The most recent soil vapor samples were collected onsite in July 2005, and substantial changes in collection protocols of soil vapor have occurred since that time. Consequently, ACEH requests the submittal of a soil vapor work plan that uses current DTSC protocols, by the date referenced below. Because of the documented presence of methane beneath the site and vicinity the soil vapor survey is requested to include standard atmospheric gases (oxygen, nitrogen, and carbon dioxide) as well as methane.

   As a part of this effort, ACEH also requests a neighborhood building survey due to the relative age of the residential building stock and the potential for basements in buildings of this general vintage. This is requested to include building foundation type for surveyed structures to preclude additional inquiries. Plots of residential wells, basements, and any other structure of import, in addition to pertinent soil and groundwater plume details, on an aerial photographic base map would allow rapid

assessment of potential affects to the local community; please include these. We request you submit the results of the inquiry into the presence of basement structures and foundation type on an aerial photographic base map in the work plan requested above, according to the schedule below. Please use this data to determine appropriate offsite vapor well locations.

3) **Request for Draft Corrective Action Plan and Draft Fact Sheet** – The reports cited above indicate that remedial efforts at the site ceased in December 2009 and recommended that the site be observed for rebound for two quarters. Initial data collected from the period following system shutdown appears to indicate limited rebound; however, after a full two years more recently collected data indicates substantial rebound is underway. As a consequence, ACEH requests additional remedial efforts be undertaken, and that a draft Corrective Action Plan (CAP) and a draft Fact Sheet be submitted by the date identified below. The data collected for Technical Comments 1 & 2 above are intended to be used in the draft CAP.

   To clarify, the draft CAP is intended to meet the provisions of Section 2725 of the UST regulations (Title 23, California Code of Regulations, Chapter 16). The draft CAP must include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The draft CAP should also include, but is not limited to, a detailed description of site lithology, including soil permeability, receptor information including likely future land use scenarios, adjacent land use and sensitive receptors, and potential groundwater receptors, and most importantly, contamination cleanup levels and cleanup goals, in accordance with the San Francisco Regional Water Quality Control Board (SFRWQCB) Basin Plan and appropriate ESL guidance for all COCs and for the appropriate groundwater designation. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with the SFRWQCB Basin Plan. Please specify appropriate cleanup levels and cleanup goals in accordance with 23 CCR Section 2725, 2726, and 2727 in the Draft CAP.

   The draft CAP must evaluate at least three viable alternatives for remedying or mitigating the actual or potential adverse affects of the unauthorized release(s) besides the 'no action' and 'monitored natural attenuation' remedial alternatives. Each alternative shall be evaluated not only for cost-effectiveness but also its timeframe to reach cleanup levels and cleanup goals, include a discussion of the feasibility and limitations for each remedial alternative, a detailed description of proposed remediation including confirmation sampling and monitoring during implementation, and post-remedial monitoring.

   Public participation is a requirement for the CAP process. Therefore, we request that you submit a draft CAP and a draft Fact Sheet for ACEH review as identified below. Upon ACEH approval of a draft CAP and Fact Sheet, affected members of the public who live or own property in the surrounding area are to be notified. Public comments on the proposed remediation will be accepted for a 30-day period. Please also provide future development plans for the site to help in evaluation of the receptor information and proposed cleanup goals.

4) **Groundwater Monitoring Analytical Program** – Based on up to four lines of evidence ACEH requests the inclusion of standard waste oil constituents (TPHmo, TPHd, chlorinated hydrocarbons, LUFT metals [pre-filtered or lab filtered without acidification], PCBs and PNAs) from wells proximal to the site (MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-11, MW-12, and MW-19) in the next regularly scheduled groundwater monitoring event. The referenced *Soil and Groundwater Report and Site Conceptual Model* report indicates that in the December 1987 vapor survey at the site, a predominance of detected compounds were reported as "peaks prior to benzene"; typically these may include chlorinated solvent peaks. The referenced *Groundwater Monitoring and Sampling Report*, also contains several footnotes (footnotes 9 & 10 specifically) that can suggest contaminant peaks lighter than standard fuel hydrocarbons at the site. Additionally the case file contains a December 30, 1987 inventory of USTs at the site which was sent to the Hayward Fire Department as part of an annual review of the facility Business Emergency Plan. The inventory reported three gasoline USTs,

and one 1,000-gallon waste oil UST. The waste oil UST has not otherwise been reported at the site. Finally, the previously discussed presence of elevated fuel hydrocarbons up to 30 feet below first encountered groundwater suggests the potential for solvents beneath the site. Depending on these results, this request is anticipated to be modified in future groundwater monitoring events.

5) **Request for Status of Residential Well Destruction Effort** – The referenced *Soil and Groundwater Report and Site Conceptual Model* report indicates that Chevron had committed to decommissioning of the residential backyard well at 1180 Rex Road; however, an access agreement had not been executed by the time the property sold in 2007. The report also indicated that the well would be decommissioned in 2010 once an access agreement could be finalized with the new owner(s). ACEH requests a status update of this effort by the date identified below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Mark Detterman), according to the following schedule:

- **May 25, 2012** – First Quarter 2012 Groundwater Monitoring
- **July 27, 2012** – Work Plan for Soil, Groundwater, and Soil Vapor (with Building Stock Survey Results and Status of Residential Well Destruction Effort)
- **August 30, 2012** – Second Quarter 2012 Groundwater Monitoring
- **60 Days After Work Plan Approval** – Soil and Groundwater Report (SWI)
- **90 Days After SWI Report Approval** – Draft Corrective Action Plan with Draft Fact Sheet

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,



Digitally signed by Mark E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2012.04.18 13:58:16 -07'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Brandon Wilken, Conestoga-Rovers & Associates, 5900 Hollis Street, Suite A, Emeryville, CA 94608; (sent via electronic mail to: BWilken@craworld.com)

Donna Drogos, ACEH, (sent via electronic mail to donna.drogos@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

PREVIOUS ENVIRONMENTAL INVESTIGATION AND REMEDIATION

SUMMARY OF PREVIOUS ENVIRONMENTAL HISTORY
FORMER CHEVRON SERVICE STATION 90260

21995 FOOTHILL BOULEVARD HAYWARD, CALIFORNIA

1987 Soil Vapor Contaminant Assessment

EA Engineering (EA) conducted a vapor investigation in 1987. The highest hydrocarbon vapor concentrations were detected in the vicinity of the station's tank field. Additional information is available in EA's *Report of Soil Vapor Contaminant Assessment* dated December 31, 1987.

January 1988 Subsurface Investigation

Weiss Associates (Weiss) advanced six soil borings to further assess subsurface soil conditions and determine whether hydrocarbons had impacted groundwater. Two were advanced adjacent to the USTs to check for releases near the tank field. The remaining four were advanced across the site and completed as monitoring wells MW-4 through MW-7. Two proposed borings, B-6 and B-8, were aborted due to obstructions at depth. Additional information is available in Weiss' *Letter Report* dated March 31, 1988.

June 1989 Phase III Investigation

Weiss installed wells MW-11 and MW-12 onsite and MW-13 offsite. Additional information is available in Weiss' *Subsurface Investigation Phase III* report dated August 3, 1989.

August 1990 Subsurface Investigation

Weiss installed wells MW-14 through MW-16. Additional information is available in Weiss' *Subsurface Investigation Phase IV* report dated October 24, 1990.

1991 Remediation Design, Installation, and Operation

Weiss coordinated the design, permitting and installation of a groundwater extraction system. The system was started on August 23, 1991. The system was temporarily shut-down on December 11, 1991, to install a 100-pound vessel of activated alumina for treatment of arsenic in groundwater. Groundwater treatment resumed on December 20, 1991. Additional information is available in a Weiss' *Letter Report* dated March 19, 1992.

August 1992 Subsurface Investigation

Weiss installed wells MW-17 and P-1 to assess the effects of San Lorenzo. Additional information available in Weiss's *Subsurface Investigation* dated September 17, 1992.

October 1996 Station Demolition

In October 1996 all station facilities were removed, including three 10,000-gallon USTs and product lines. Nearly 1,000 gallons of water and light non aqueous-phase liquid hydrocarbons

were pumped from the tank excavation and disposed of offsite. Records indicate that pea gravel and soil overburden was placed back into the tank excavation. Additional information is available in Touchstone Development's *Underground Storage Tank Removal and Sampling* Report dated November 26, 1996.

July 1997 Remediation Well Installation

In July 1997, Terra Vac installed sixteen extraction wells and groundwater monitoring well MW-18. Additional information available in Terra Vac's *Drilling Report* dated September 29, 1997.

July 1997 RBCA

In July 1997, Terra Vac submitted a revised risk-based corrective action (RBCA) analysis with the risk-based site specific target levels. Additional information available in Terra *Vac's Interim Remediation Work Plan* dated June 3, 1997 and *Risk Assessment Addendum* dated July 18, 1997.

August 1997 Well Survey

Gettler-Ryan conducted a survey of water wells in the site vicinity. Two domestic wells were located in the ½ mile search radius. No municipal water supply wells were identified. Additional information is available in Gettler-Ryan's *Well Search* report dated August 13, 1997.

October 1997 Two-Phase Extraction System Installation and Operation

In October 1997, Terra Vac installed and started a two-phase extraction (TPE) remediation system. The system used a 600 SCFM Retox thermal oxidizer. Terra Vac operated the system through approximately June 2002. Additional information available in Terra Vac's *Startup Report* dated December 17, 1997.

December 2002 Well Installation

In December 2002, Delta Environmental Consultants (Delta) installed temporary wells TMP-1 and TMP-2 for an upcoming dual-phase extraction (DPE) test. Additional information is available in Delta's *Dual-Phase Extraction Pilot Testing Results Report* dated February 20, 2003.

December 2002 Dual-Phase Extraction (DPE) Pilot Testing

In December 2002, Delta Environmental Consultants (Delta) conducted a DPE pilot test utilizing wells MW-4, MW-11 and MW-12 and temporary wells TMP-1 and TMP-2. Additional information is available in Delta's *Dual-Phase Extraction Pilot Testing Results Report* dated February 20, 2003.

July 2003 Vapor Probe Installation Report

On July 21, 2003, Gregg Drilling advanced three borings and installed vapor probes VP-1 through VP-3. Additional information is available in Cambria's *Vapor Probe Installation Report* dated October 13, 2003.

June 2004 Conduit Study

In June 2004, Cambria Environmental Technology (Cambria) compiled nearby utility location and depth data. Based on maximum utility burial depths and historical maximum groundwater elevation beneath the site, Cambria concluded utilities had not likely acted as potential pathways for hydrocarbon migration from the site. Additional information available in Cambria's *Conduit Study* dated June 7, 2004.

May 2006 Well Installation, Modifications and Destructions

In May 2006, Gregg Drilling installed two wells onsite. Groundwater monitoring well MW-19 was installed along with remediation well DVE-20. Groundwater monitoring wells MW-5, MW-11, MW-12 and remediation wells DVE-9 and DVE-12 were deepened to accommodate the new remediation system. Remediation wells DVE-1 through DVE-8, DVE-10, DVE-11, DVE-13, DVE-17 through DVE-19 and temporary wells TMP-1 and TMP-2 were destroyed. Additional information is available in Cambria's *Monitoring Well Installation, Modification and Destruction Report* dated November 17, 2006.

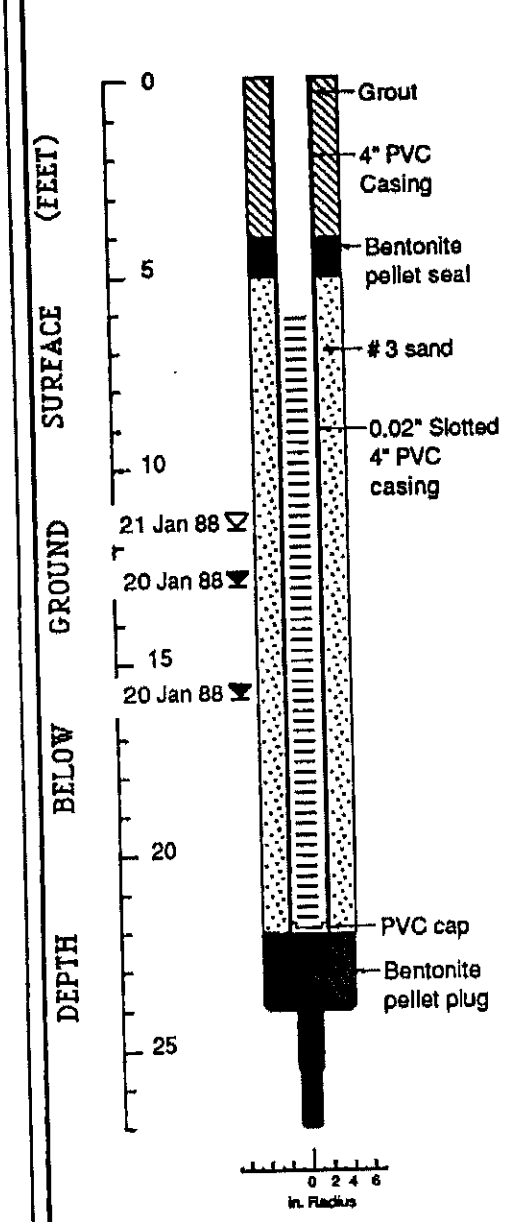
September 2006 DPE Installation and Operation

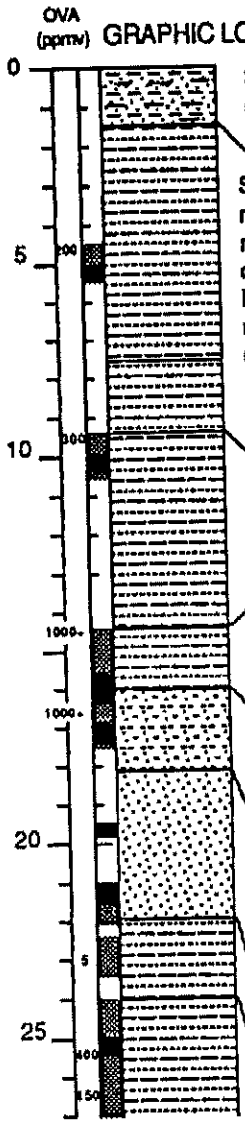
In September 2006, CRA installed a DPE system consisting of a liquid-ring vacuum pump and thermal/catalytic oxidizer to extract and treat soil vapor, and submersible extraction pumps and aqueous-phase activated carbon to extract and treat groundwater. Operation of the system began in June 2007 and six wells (MW-5, MW-11, MW-12, DVE-, DVE-12 and DVE-20) were included in the network. The system operated through December 2009. Additional information is available in CRA's *Remedial Summary Report* dated February 11, 2010.

APPENDIX C

BORING LOGS

WELL MW-4





DESCRIPTION

Sandy CLAY (CL); orange-brown; medium stiff; damp; 30% fine to coarse sand; 20% silt; low est K; minor roots [fill]

Silty CLAY (CL); black, mottled green, gray; medium stiff; damp; 30% silt; low est K; minor wood fragments; slight hydrocarbon odor

Decreased stiffness to soft; increased moisture to moist at 4.5 ft (Note: moisture could be from landscape)

Becomes yellow-brown, mottled gray, black; increased stiffness at 7.5 ft (driller)

Silty CLAY (CL); olive-brown, mottled orange-brown; stiff to very stiff; dry to damp; 30-40% silt; low est K; moderate to strong hydrocarbon odor

Contact (driller)

Clayey SILT (ML); olive-brown, mottled blue-gray-orange; medium stiff; damp to moist; 20% clay; low to mod est K; very strong hydrocarbon odor; free product filling voids; interbedded fine sand layer

Silty SAND (SM); olive-brown, mottled blue-gray; medium dense; moist to wet; 20% silt; 80% very fine sand; mod to high est K; very strong hydrocarbon odor

Contact (driller)

SAND (SP); olive-brown, blue-gray; medium dense; 90% fine to medium sand; 5% coarse sand; <5% fines; very high est K; moderate hydrocarbon odor

Interbedded silty CLAY layer; blue-green; very strong hydrocarbon odor from 21 to 21.4 ft

Silty CLAY (CL); orange-brown, mottled blue-gray; very stiff; 20% silt; low est K

Silty CLAY/Clayey SILT (CL/ML); blue-green; very stiff; 30-50% silt; low est K; moderate to strong hydrocarbon odor

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

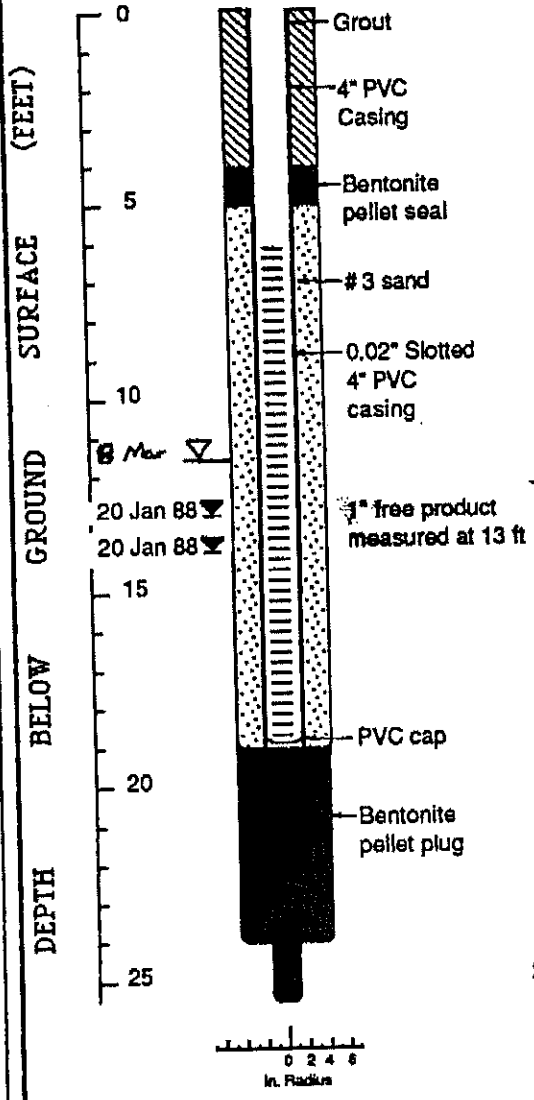
K = Estimated Permeability (hydraulic conductivity)

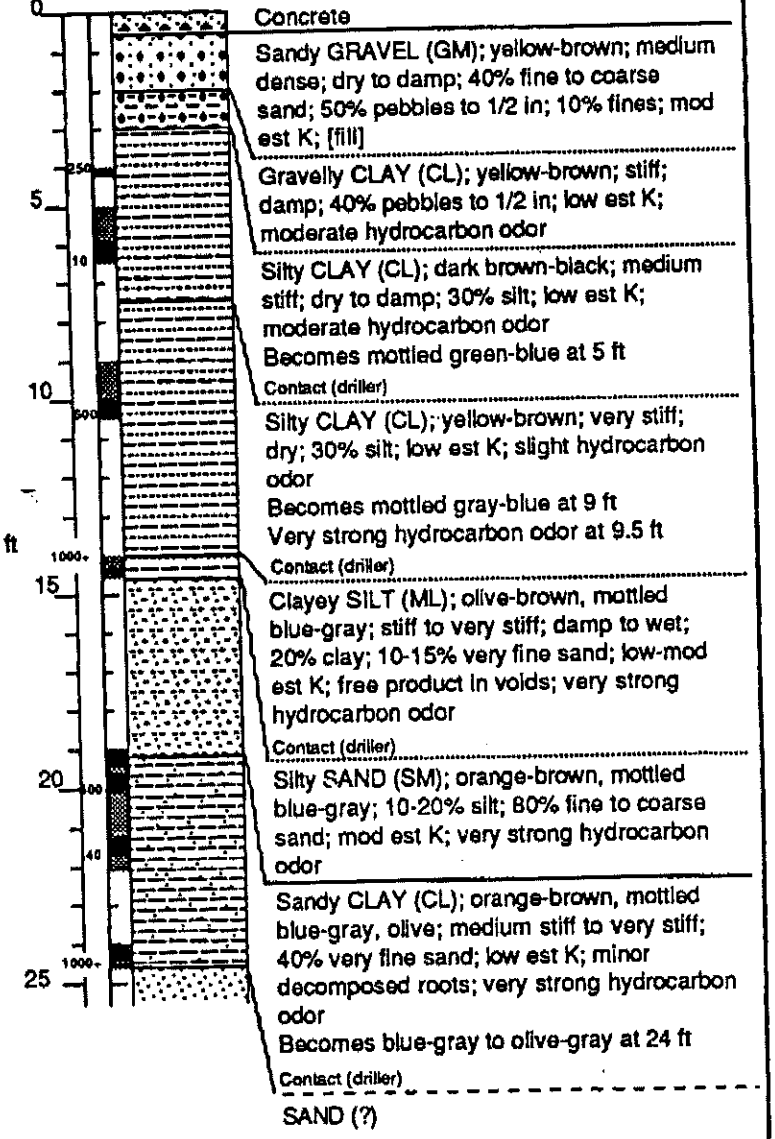
Logged by:	Todd Daniels
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	Exploration Geoservices, Inc.
Driller:	Dave Yeager/Brian Swattz
Drilling Method:	Hollow stem auger
Dates Drilled:	1-20-88
Well Head Completion:	Locking stovepipe & Christy box
Type of sampler:	Split barrel

Boring Log and Well Construction Details - Well MW-4

Chevron Facility # 0260
Hayward, CA

WELL MW-5





EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

K = Estimated Permeability (hydraulic conductivity)

Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager/Brian Swartz
Drilling Method: Hollow stem auger
Dates Drilled: 1-20-88
Well Head Completion: Locking stovepipe & Christy box
Type of sampler: Split barrel

Boring Log and Well Construction Details - Well MW-5

Chevron Facility # 0260
Hayward, CA

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

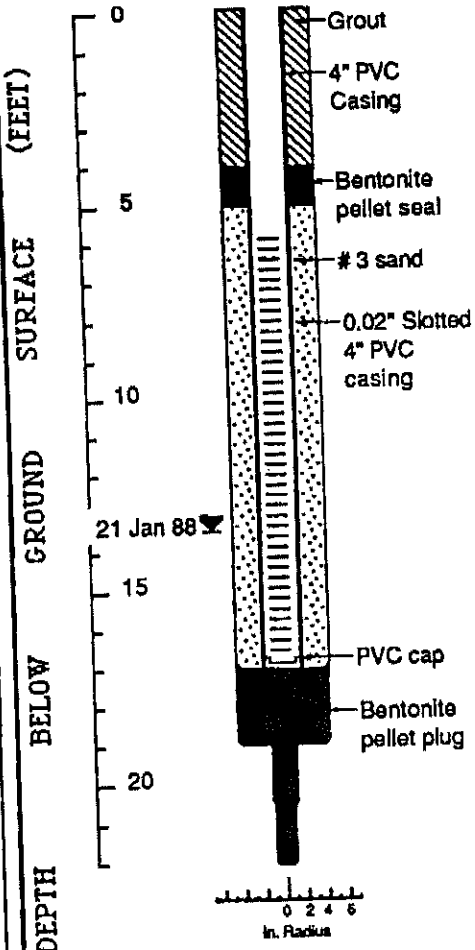
BORING/WELL LOG

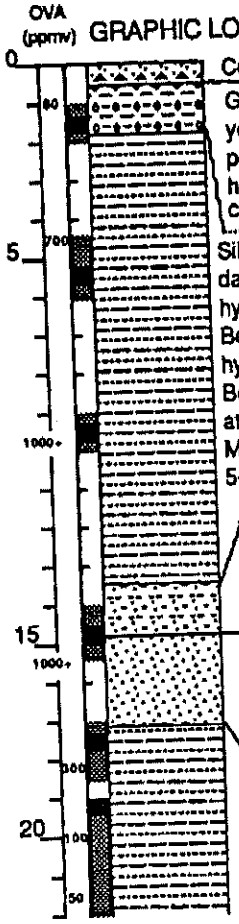
CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10-inch	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	13.0 ft (20-Jan-88) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				5, 10, 15, 20, 25			MW-5 was deepened in the same location. Originally MW-5 was a 4-inch diameter monitoring well 19 feet deep, screened from 6 to 19 feet below grade. MW-5 was overdrilled using 10-inch diameter hollow stem augers to a depth of 28 feet and the original 4-inch diameter well was removed. MW-5 was then constructed using 4-inch diameter, 0.010-inch Slotted Schedule 40 PVC and screened from 10 to 25 feet below grade. ▽	28.0	4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.010" Slotted Schedule 40 PVC; Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\9-0260 HAYWARD\REMEDIATION 2006\WELL MODIFICATIONS\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 11/27/06

WELL MW-6





DESCRIPTION

Concrete

Gravelly CLAY (CL); olive-brown to yellow-brown; medium stiff; damp; 30% pebbles to 1/2 in; low est K; moderate hydrocarbon odor

Contact (driller)

Silty CLAY (CL); dark brown-black; medium stiff; damp; 30% silt; low est K; moderate to strong hydrocarbon odor

Becomes gray mottled orange-brown; very strong hydrocarbon odor at 4.5 ft

Becomes olive-brown, mottled orange-brown at 7 ft

Minor caliche stringers from 9 to 10 ft

5-10% pebbles to 1/4 in at 12 ft (cuttings,driller)

Contact (driller)

Sandy SILT (ML); olive-brown; medium stiff; damp-wet; 40% very fine sand; <10% clay; mod est K; strong hydrocarbon odor

SAND (SP); olive-brown; medium dense; 90% fine to medium sand; 5-10% coarse sand; <5% fines; high est K; very strong hydrocarbon odor

Silty CLAY (CL); orange-brown, mottled black; very stiff; 30% silt; low est K; moderate hydrocarbon odor

Becomes blue at 18.3 ft

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

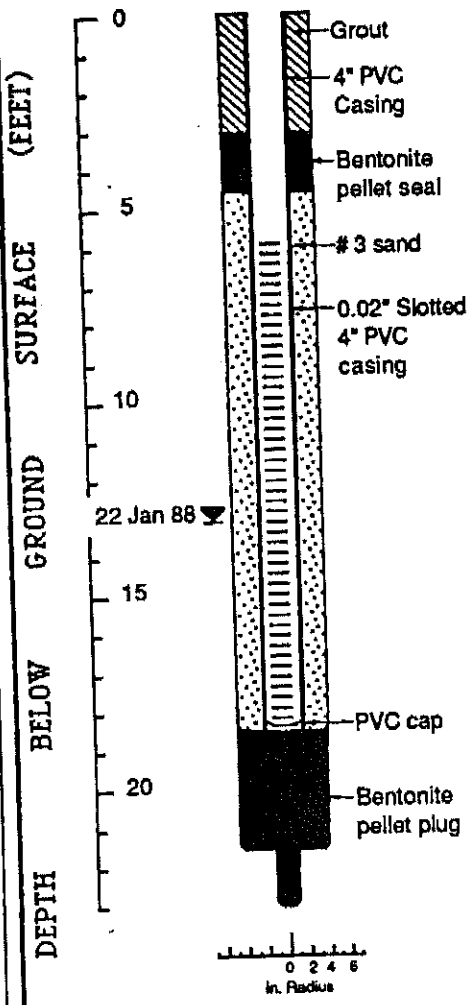
K = Estimated Permeability (hydraulic conductivity)

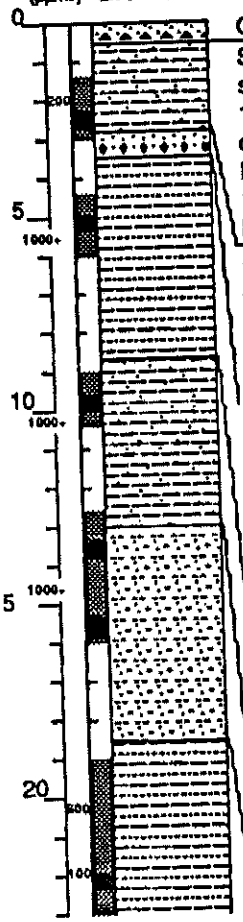
Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager/Brian Swattz
Drilling Method: Hollow stem auger
Dates Drilled: 1-21-88
Well Head Completion: Locking stovepipe & Christy box
Type of sampler: Split barrel

Boring Log and Well Construction Details - Well MW-6

Chevron Facility # 0260
Hayward, CA

WELL MW-7





GRAPHIC LOG DESCRIPTION

Concrete

Sandy CLAY (CL); orange-brown; medium stiff; damp; 30% fine sand; 10% pebbles to 1/4 in; low est K; moderate hydrocarbon odor; [fill]
Becomes black, mottled olive; gray-blue at 1.5 ft
Becomes blue-green; 20% pebbles at 2.3 ft

Gravelly SAND (SM); blue-green; medium dense; damp; 30% pebbles to1/4 in; 60% very fine to coarse sand; 10-20% fines; mod est K; moderate to strong hydrocarbon odor; [fill]

Silty CLAY (CL); olive-brown; medium stiff; damp; 30% silt; low est K; strong hydrocarbon odor
Silty SAND layer from 4.8 to 5.3 ft
Becomes black, mottled blue-gray at 5.5 ft
Gravelly SAND layer from 5.7 to 6 ft [fill]

Sandy CLAY (CL); olive-brown, mottled blue-gray; medium stiff; damp; 30% fine sand; low est K; very strong hydrocarbon odor [fill?]
Minor free product in voids at 9.4 ft
40% fine sand at 10.5 ft

Silty SAND (SP); olive-gray; medium dense; wet; <5% fines; 95% very fine to medium sand; high est K; free product in voids; very strong hydrocarbon odor
Contact (driller)

Silty CLAY (CL); blue-gray; very stiff; 30% silt; low est K; moderate to strong hydrocarbon odor

EXPLANATION

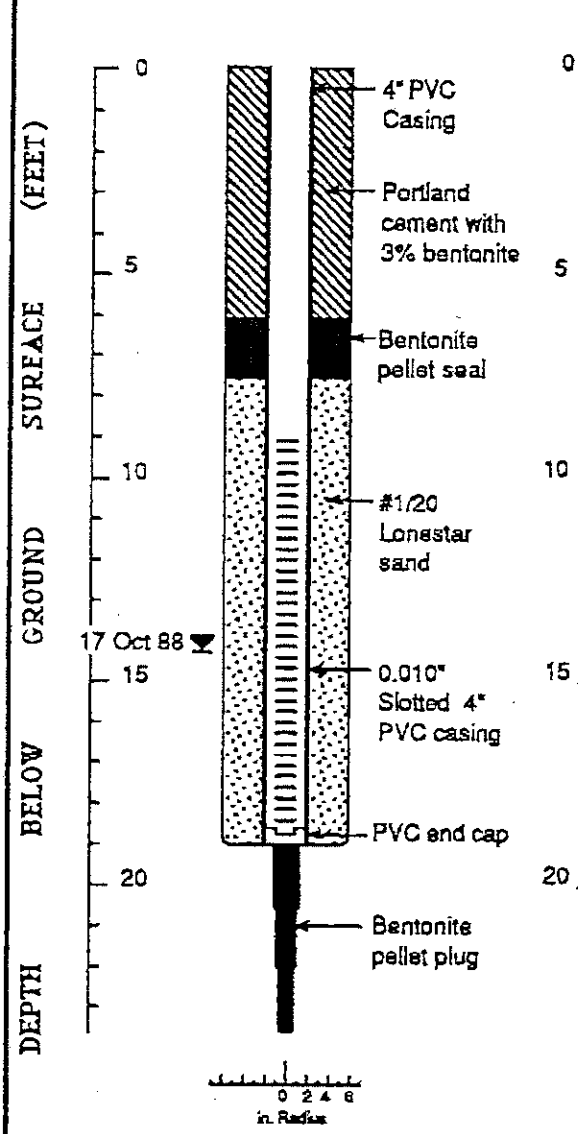
- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample
- K = Estimated Permeability (hydraulic conductivity)

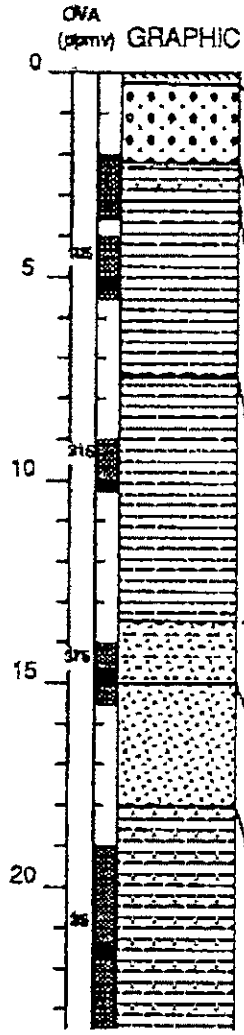
Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager/Brian Swattz
Drilling Method: Hollow stem auger
Dates Drilled: 1-22-88
Well Head Completion: Locking stovepipe & Christy box
Type of sampler: Split barrel

Boring Log and Well Construction Details - Well MW-7

Chevron Facility # 0260
Hayward, CA

WELL MW-8 (BH-A)





DESCRIPTION

Asphalt

Gravelly SAND (SM); brown; medium dense; damp; 10-20% silt; 20-30% subangular gravels to 1.5"; fine to coarse sand; high est K

(Contact - driller)

Sandy CLAY (CL); black; medium stiff to stiff; damp; 20-30% very fine to fine sand; low est K; slight hydrocarbon odor

Silty CLAY (CL/CH); brown; mottled black; stiff; damp; 10-20% silt; 5-10% fine sand; very low est K; slight hydrocarbon odor

(Contact - driller)

Silty CLAY (CL); light brown; stiff; damp; 30-40% silt; low est K

Contact - driller

Silty SAND (SM); light brown; medium dense; 20-30% silt; very fine to medium coarse sand; mod est K; very strong hydrocarbon odor; some gray discoloration

SAND (SP); light gray-brown; medium dense; fine to medium coarse sand; 5-10% silt; high est K; very strong hydrocarbon odor

(Contact - driller)

Sandy CLAY (CL); gray; stiff; 15-25% fine to medium coarse sand; low est K; moderate hydrocarbon odor; minor gravels to .5"

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Curing sample

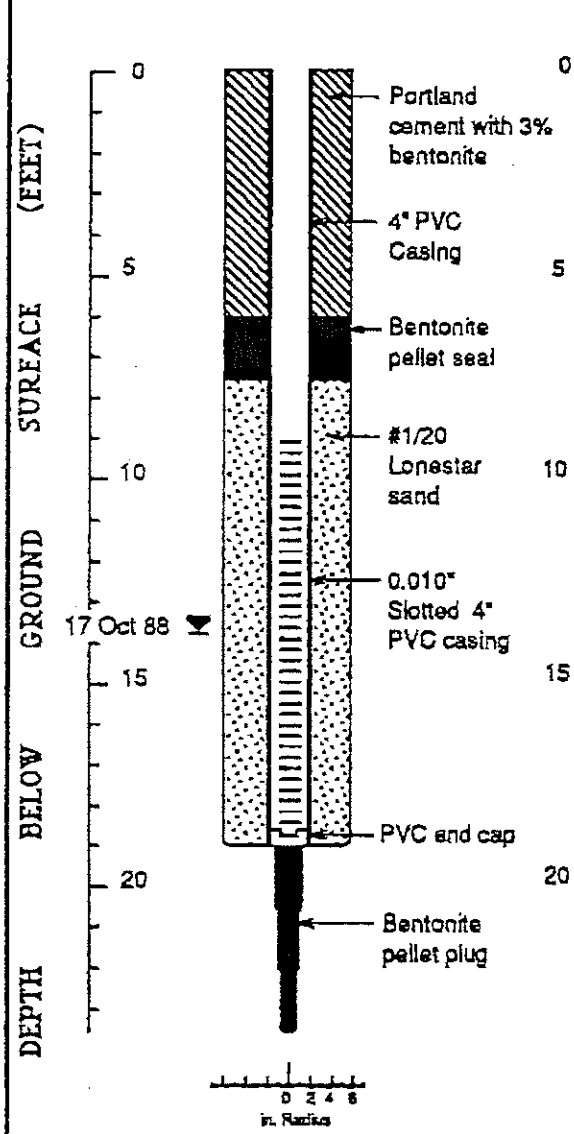
K = Estimated permeability (hydraulic conductivity)

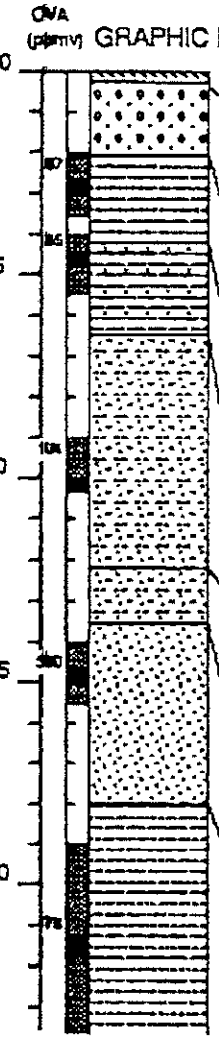
Logged by:	Bob Agnew
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	Exploration Geoservices, San Jose, CA
Driller:	Dave Yeager
Drilling Method:	Hollow stem auger
Dates Drilled:	17 October 88
Well Head Completion:	Locking stovepipe with traffic-rated vault
Type of sampler:	Split barrel (1.4", 2.0", 2.5" ID)

Well Construction and Boring Log - Well MW-8 (BH-A)

Chevron Service Station #90260
Hayward, California

WELL MW-9 (BH-B)





DESCRIPTION

Asphalt

Gravelly SAND (SM); brown; medium dense; damp; 10-20% silt; 20-30% subangular gravels to 1.5"; fine to very coarse sand; high est K
(Contact - driller)

Silty CLAY (CL); dark brown to black; stiff; damp; 20-30% silt; 5-10% very fine to fine sand; low est K; slight hydrocarbon odor

Sandy CLAY (CL); light brown; stiff; 10-20% very fine to medium sand; low est K; slight hydrocarbon odor
(Contact - driller)

Sandy SILT (ML); light brown; stiff; damp; 20-25% very fine to fine sand; 3-5% clay; low to mod est K; strong hydrocarbon odor; minor organics

Silty SAND (SM); light brown; medium dense; moist; 20-30% silt; very fine to medium coarse sand; mod est K; strong hydrocarbon odor
(Contact - driller)

SAND (SP); gray; medium dense; fine to medium sand; <5% silt; high est K; strong hydrocarbon odor; free product in voids
Contact - driller

Silty CLAY (CL); gray mottled brown; stiff to very stiff; low est K; slight hydrocarbon odor

EXPLANATION

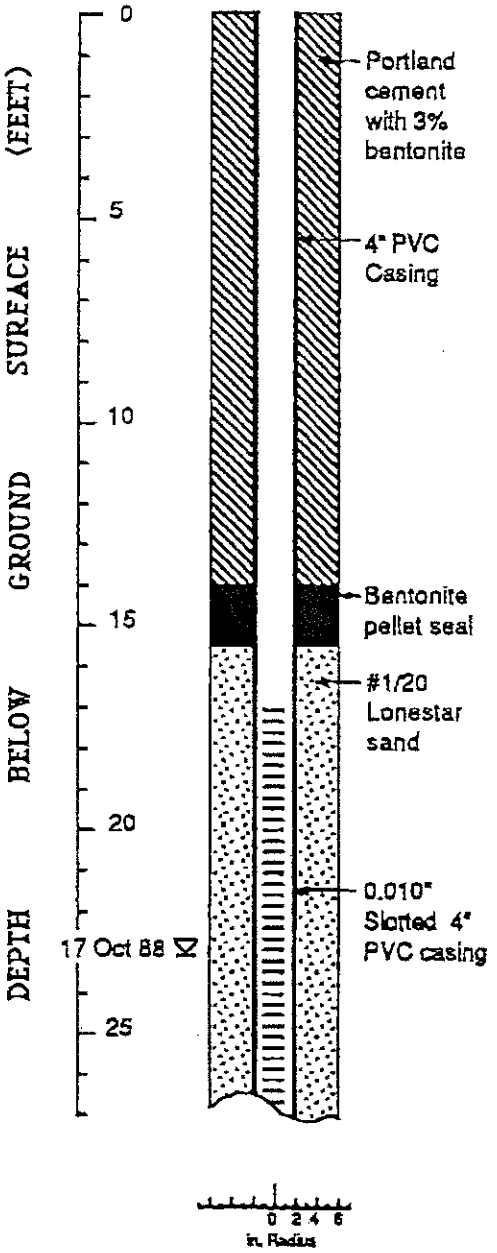
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated permeability (hydraulic conductivity)

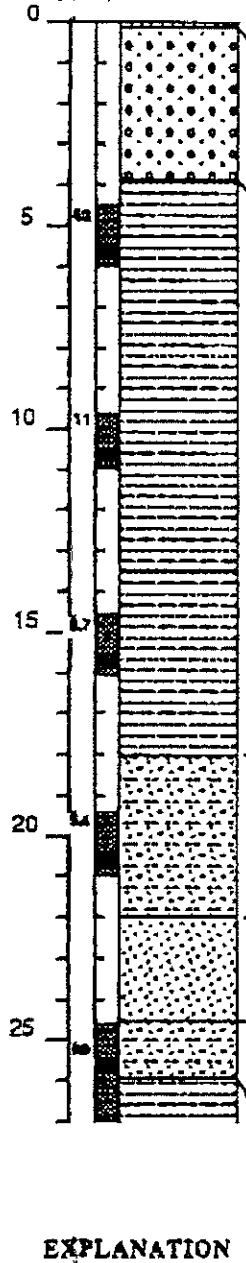
Logged by:	Bob Agnew
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	Exploration Geoservices, San Jose, CA
Driller:	Dave Yeager
Drilling Method:	Hollow stem auger
Dates Drilled:	17 October 88
Well Head Completion:	Locking stovepipe with traffic-rated vault
Type of sampler:	Split barrel (1.4", 2.0", 2.5" ID)

Well Construction and Boring Log - Well MW-9 (BH-B)

Chevron Service Station #90260
Hayward, California

WELL MW-10 (BH-C)





DESCRIPTION

Asphalt

Gravelly SAND (SP/SM); light brown; medium dense; dry; 25-35% angular gravels to 2"; fine to coarse sand; 5-10% silt; high to very high est K [fill]

Contact - driller

Clayey SILT (ML); light red-brown; stiff; damp; 5-10% clay; 5-10% very fine to medium coarse sand; low est K; minor angular gravels to .5"

Caliche stringers from ~9.5' to 17'

Silty CLAY (CL); light red-brown; stiff; damp; 20-30% silt; low est K

Contact - driller

Sandy SILT (ML); light brown; stiff; damp to moist; 20-30% very fine to fine sand; mod est K

Contact - driller

SAND (SP); gray; loose; wet; very fine to fine sand; mod to high est K

Sandy SILT (ML); gray; medium stiff; 15-25% very fine sand; mod est K; minor clay

Fine to medium sand between 25.7' and 26'

Clayey SILT (ML); gray; stiff; 10-15% clay; low est K

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample

K = Estimated permeability (hydraulic conductivity)

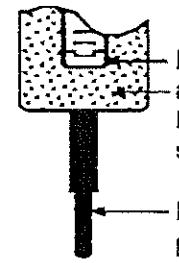
Logged by:	Bob Agnew
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	Exploration Geoservices, San Jose, CA
Driller:	Dave Yeager
Drilling Method:	Hollow stem auger
Dates Drilled:	17 October 88
Well Head Completion:	Locking stovepipe with traffic-rated vault
Type of sampler:	Split barrel (1.4", 2.0", 2.5" ID)

Well Construction and Boring Log - Well MW-10 (BH-C) Chevron Service Station #90260 Hayward, California

WELL MW-10 (BH-C) (cont.)

DEPTH BELOW GROUND SURFACE (FEET)

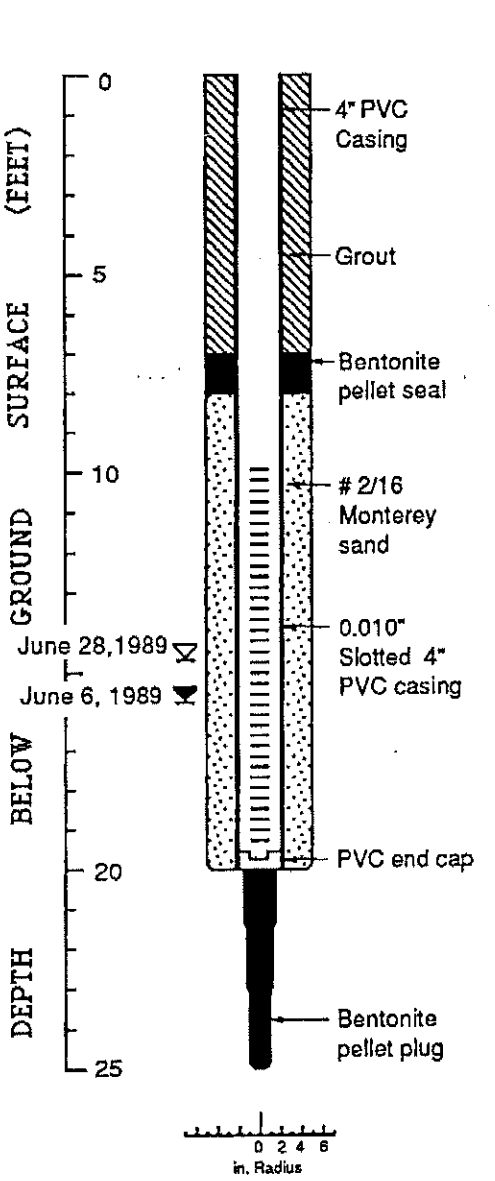
30



OVA (ppmv)	GRAPHIC LOG	DESCRIPTION
		Clayey SILT (ML); gray; stiff; 10-15% clay; low est K
30		Silty CLAY (CL); gray mottled brown; stiff to very stiff; 20-30% silt; 5-10% fine to coarse sand; low est K

Well Construction and Boring Log - Well MW-10 (BH-C) Chevron Service Station #90260 Hayward, California

WELL MW-11 (BH-A)



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated permeability (hydraulic conductivity)

Logged by:	Jim Carmody
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	HEW Drilling Co.
Driller:	Tomas Jaime
Drilling Method:	Hollow stem auger
Dates Drilled:	June 6, 1989
Well Head Completion:	Locking stovepipe in concrete vault
Type of sampler:	Split barrel (1.4", 2.0", 2.5" ID)

Well Construction and Boring Log - Well MW-11 (BH-A)

Chevron Service Station #90260
Hayward, California

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

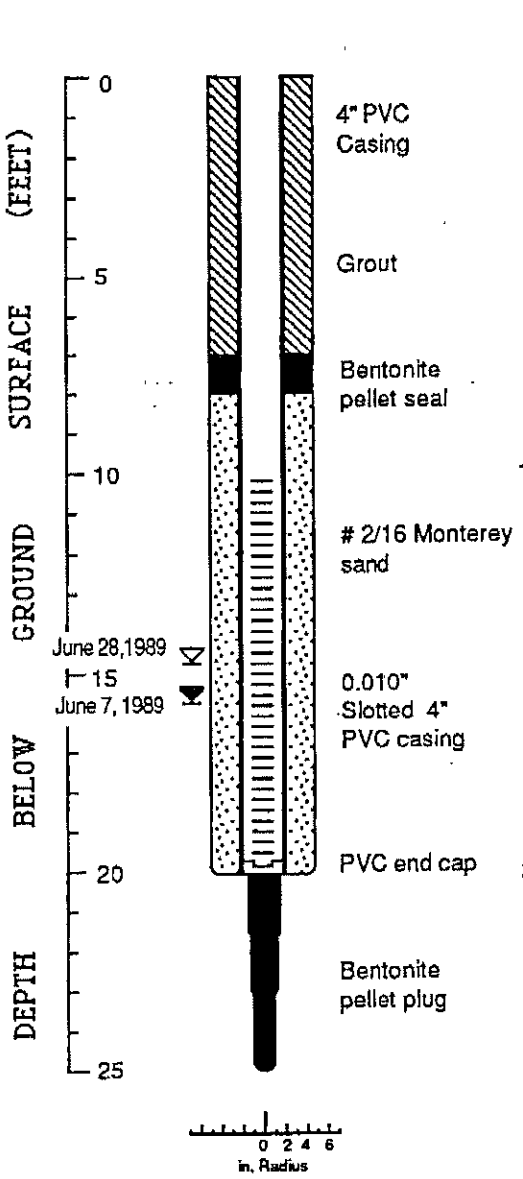
BORING/WELL LOG

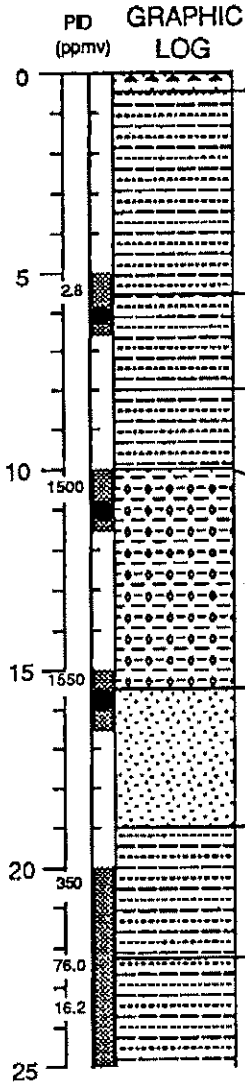
CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10-inch	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	15.5 ft (06-Jun-89) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				5, 10, 15, 20, 25			MW-11 was deepened in the same location. Originally MW-11 was a 4-inch diameter monitoring well 19 feet deep, screened from 6 to 19 feet below grade. MW-11 was overdrilled using 10-inch diameter hollow stem augers to a depth of 28 feet and the original 4-inch diameter well was removed. MW-11 was then constructed using 4-inch diameter, 0.010-inch Slotted Schedule 40 PVC and screened from 10 to 25 feet below grade. ▽	28.0	4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.010" Slotted Schedule 40 PVC; Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\9-0260 HAYWARD\REMEDIATION 2006\WELL MODIFICATIONS\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 11/27/06

WELL MW-12 (BH-B)





DESCRIPTION

Concrete

Clayey SILT (ML); dark gray; stiff to very stiff; damp; 25-30% clay; 60% silt; 10-15% fine sand; high organic content; low est K

Clayey SILT (ML); green-brown; very stiff; damp; 20-25% clay; 65% silt; 10-15% fine sand; low est K

Gravelly CLAY (CL); medium to dark brown; stiff to very stiff; damp; subangular to subrounded gravels to 1 1/4"

Clayey SILT (ML); green-brown; medium stiff; damp; 5-10% clay; 65% silt; 10-15% fine sand; occasional caliche stringers; low est K; strong hydrocarbon odor

SAND (SW); green; dense; wet; fine to very fine sand; 5-10% silt; trace clay; high est K; strong hydrocarbon odor

(Contact - driller)

Clayey SILT (ML); green; very stiff; moist; 15-20% clay; 80% silt; trace very fine sand; low est K; sight hydrocarbon odor

Clayey SILT (ML); medium brown; very stiff; damp; 20-25% clay; 65% silt; 10-15% fine to very fine sand; low est K; no hydrocarbon odor

EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample

K = Estimated permeability (hydraulic conductivity)

Logged by:	Jim Carmody
Supervisor:	Richard Weiss; EG 1112
Drilling Company:	HEW Drilling Co.
Driller:	Tomas Jaime
Drilling Method:	Hollow stem auger
Dates Drilled:	June 7, 1989
Well Head Completion:	Locking stovepipe concrete vault
Type of sampler:	Split barrel (1.4",2.0",2.5" ID)

Well Construction and Boring Log - Well WM-12 (BH-B) Chevron Service Station #90260 Hayward, California

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

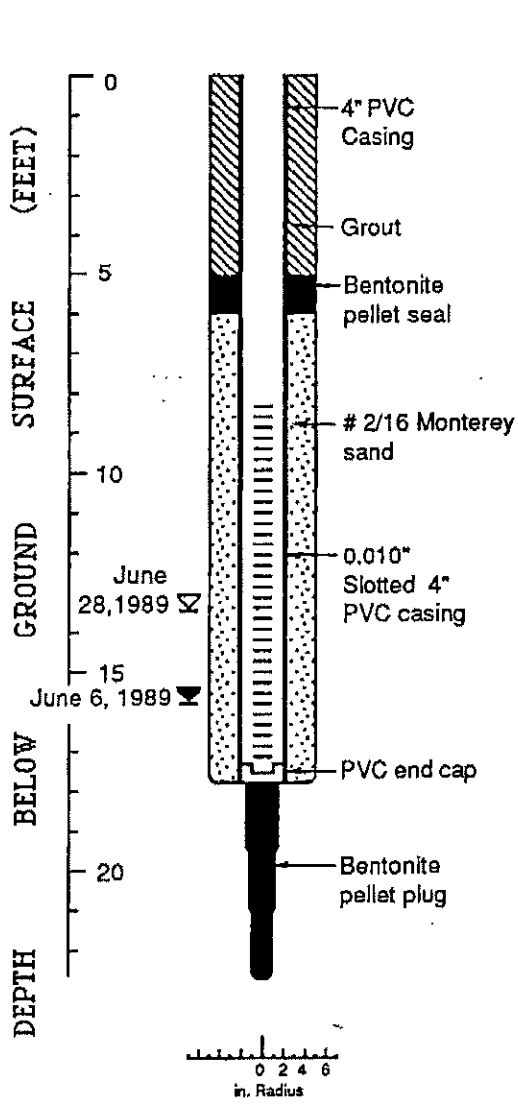
BORING/WELL LOG

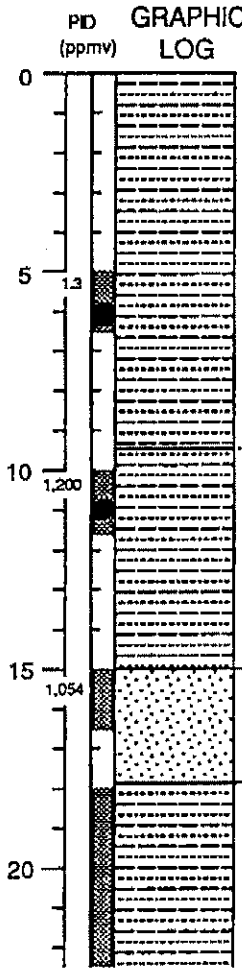
CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10-inch	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	15.5 ft (07-Jun-89) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				5, 10, 15, 20, 25			MW-12 was deepened in the same location. Originally MW-12 was a 4-inch diameter monitoring well 19 feet deep, screened from 6 to 19 feet below grade. MW-12 was overdrilled using 10-inch diameter hollow stem augers to a depth of 28 feet and the original 4-inch diameter well was removed. MW-12 was then constructed using 4-inch diameter, 0.010-inch Slotted Schedule 40 PVC and screened from 10 to 25 feet below grade. ▽	28.0	4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.010" Slotted Schedule 40 PVC; Bottom of Boring @ 28 ft

WELL LOG (COAXIAL/TPHG) I:\9-0260 HAYWARD\REMEDIATION 2006\WELL MODIFICATIONS\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 11/27/06

WELL MW-13 (BH-C)





DESCRIPTION

Silty CLAY (CL); dark brown; dense; damp; 5-10% fine to medium sand; low est K

Moist below 4'

Moderate hydrocarbon odors below 8'

Clayey SILT (ML); green-brown; medium dense; moist to wet; trace fine sand; low est K

Strong hydrocarbon odor below 10'

SAND (SW); brown; very dense; wet; fine to very fine sand; trace of fines; strong hydrocarbon odor; high est K

Clayey SILT (ML); green-brown mottled blue; stiff to very stiff; wet; 15-20% very fine to fine sand; low est K

EXPLANATION

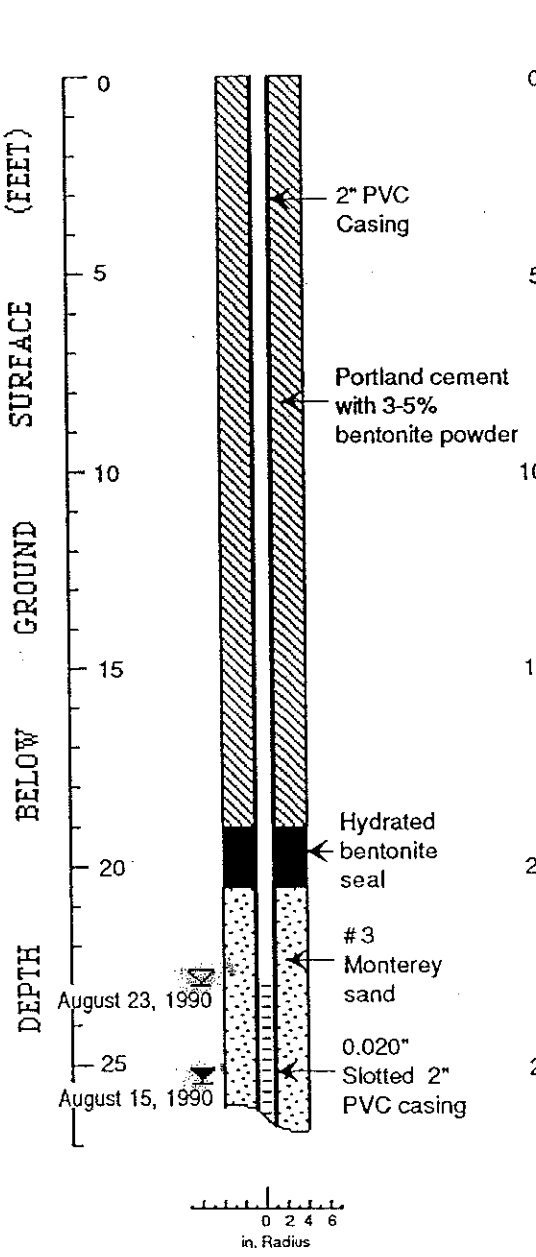
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated permeability (hydraulic conductivity)

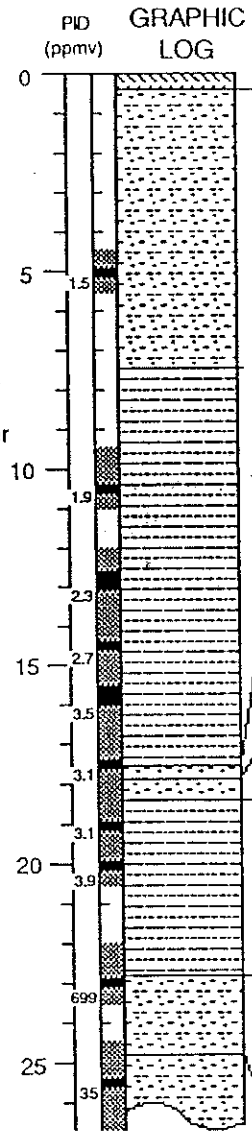
Logged by: Jim Carmody
Supervisor: Richard Weiss; EG 1112
Drilling Company: HEW Drilling Co.
Driller: Tomas Jaime
Drilling Method: Hollow stem auger
Dates Drilled: June 6, 1989
Well Head Completion: Locking stovepipe in concrete vault
Type of sampler: Split barrel (1.4", 2.0", 2.5" ID)

Well Construction and Boring Log - Well MW-13 (BH-C)

Chevron Service Station #90260
Hayward, California

WELL MW-14 (BH-H)





DESCRIPTION

Asphalt and Gravelly SILT baserock

Sandy SILT (ML); dark brown; medium stiff; damp; ~35% very fine to fine sand; no to very low plasticity; moderate K; no odor

Silty CLAY (CL); dark gray-brown; stiff; damp; <10% very fine sand; medium plasticity; very low K; no odor
Light gray from 10.5'
Caliche horizon from 10.5 to 17'
Low plasticity; increasing caliche content at 12'

Yellow-brown mottled white and blue-gray from 15'

4" Sandy SILT (ML) layer; 30-40% sand; low to moderate K

6" Silty SAND (SM) layer; blue-gray; medium dense; ~35% silt; moderate K; no odor

Silty CLAY / Clayey SILT (CL/ML); blue-gray mottled orange-brown; very stiff; moist; ~15% very fine to fine sand; low plasticity; very low to low K; no odor
Moderate hydrocarbon odor at 22'

Sandy SILT (ML); blue-gray; mottled orange-brown; medium stiff to stiff; moist; ~30% very fine to fine sand; very low plasticity; low K; moderate hydrocarbon odor

Silty SAND (SM); dark gray; medium dense; wet; very fine to medium sand; variably 20-45% silt; moderate to high K; weak hydrocarbon odor

EXPLANATION

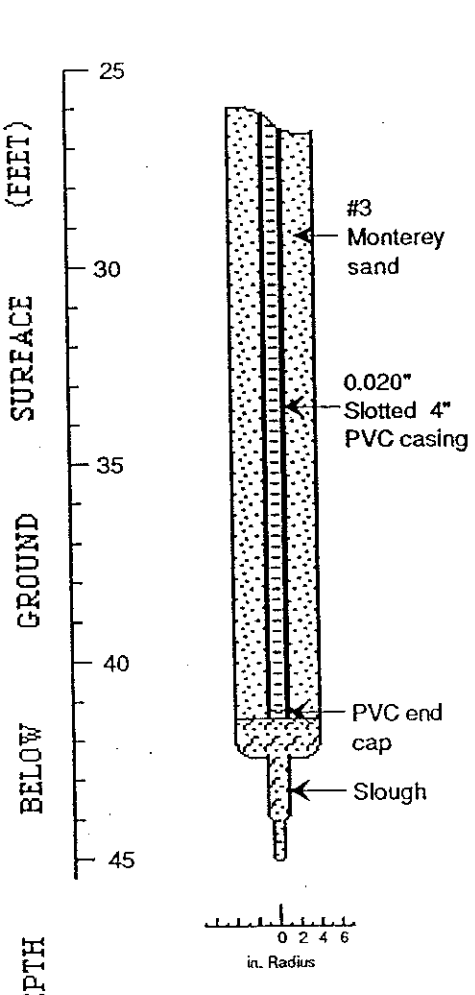
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

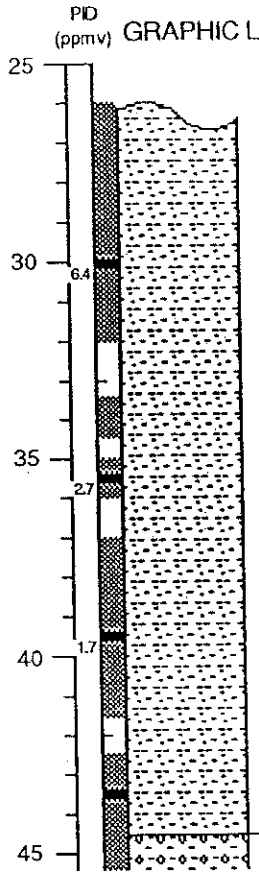
Logged by:	John Duey
Supervisor:	James Carmody; RG 4872
Drilling Company:	Soils Exploration Services
Driller:	Rick Carr
Drilling Method:	Hollow stem auger
Date Drilled:	August 15, 1990
Well Head Completion:	locking watertight well-cap with traffic-rated vault
Type of sampler:	Split barrel (1.5", 2.5" ID)

Boring Log and Well Construction Details - Well MW-14 (BH-H)

Chevron SS #9-0260
Hayward, California

WELL MW-14 (BH-H) (cont.)





DESCRIPTION

1' Sandy SILT (ML) lens; blue-gray and orange-brown; stiff; ~30% very fine sand; non plastic; moderate K at 28'

Orange-brown at 29'

Blue-gray at 31.5'

Orange-brown; ~30% gravel to 2" diameter at 34'

Minor gravel; very fine to very coarse sand from 35'

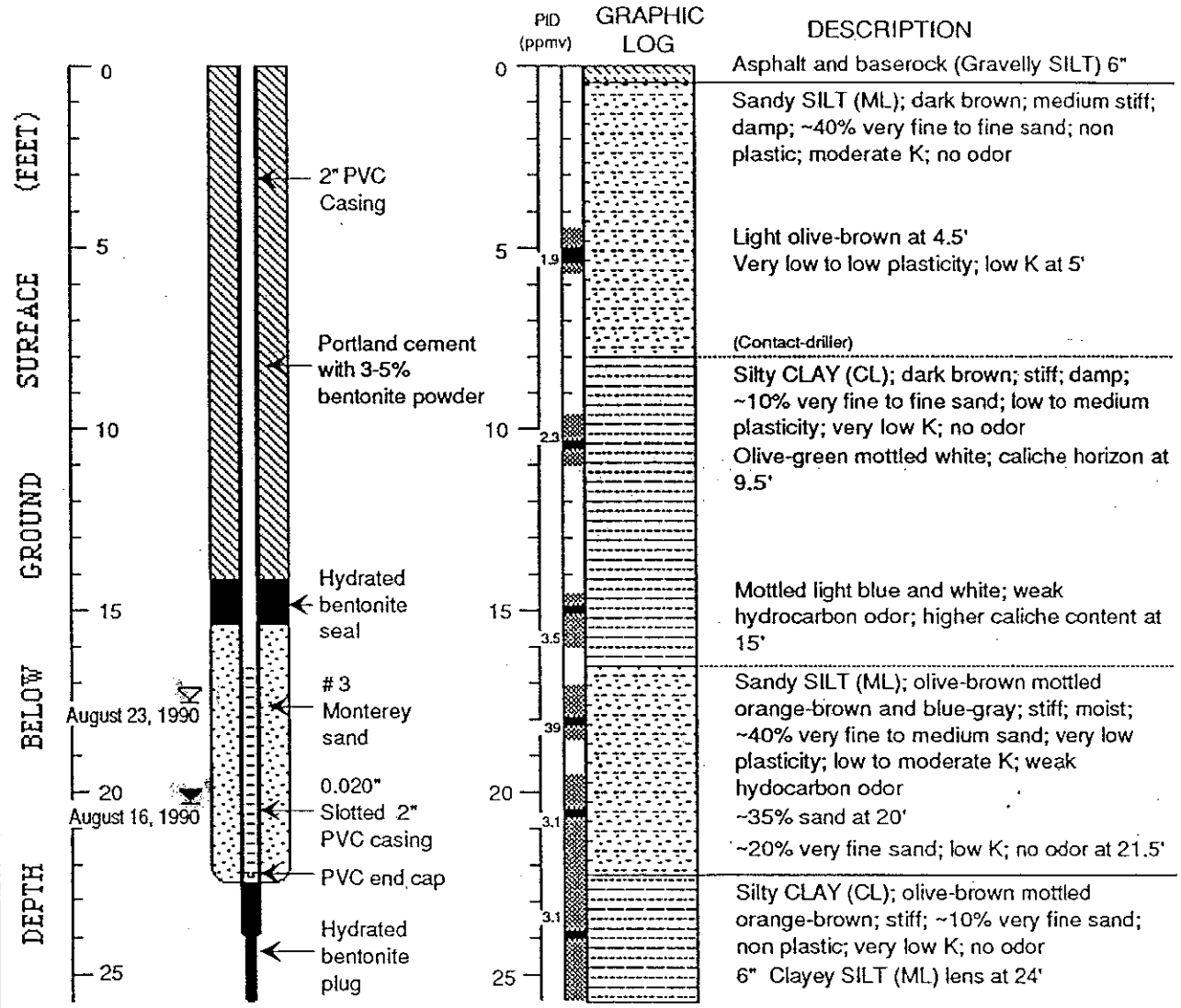
~30% gravel to 1" diameter from 38'

Silty GRAVEL (GM); gray; medium dense; gravel to 1" diameter; ~30% very fine to very coarse sand; ~30% silt; moderate to high K

Boring Log and Well Construction Details - Well MW-14 (BH-H)

Chevron SS #9-0260
Hayward, California

WELL MW-15 (BH-J)



EXPLANATION

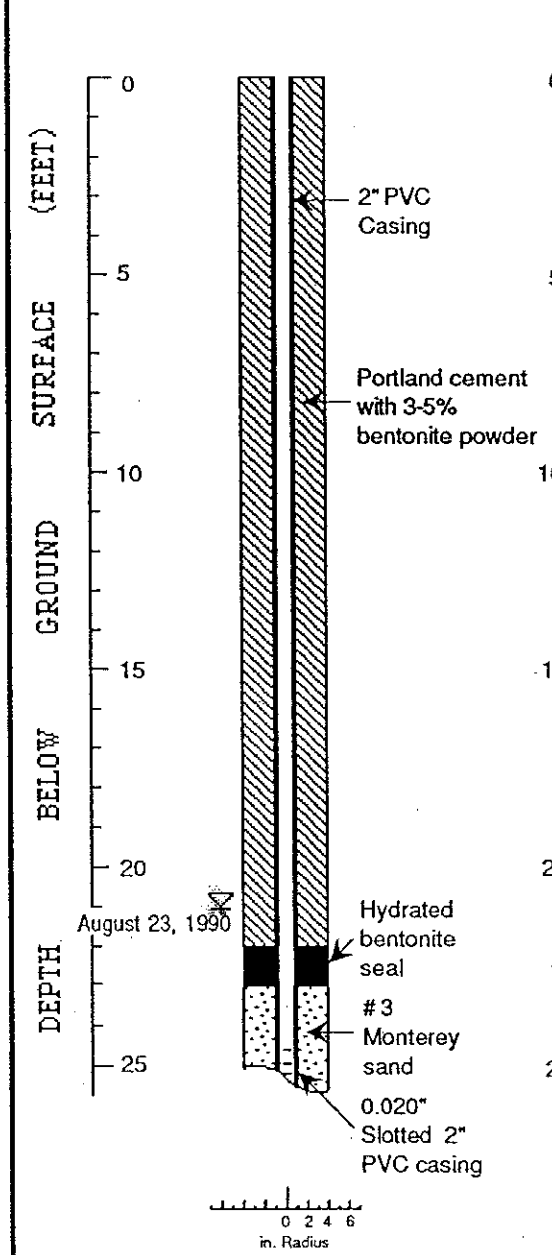
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

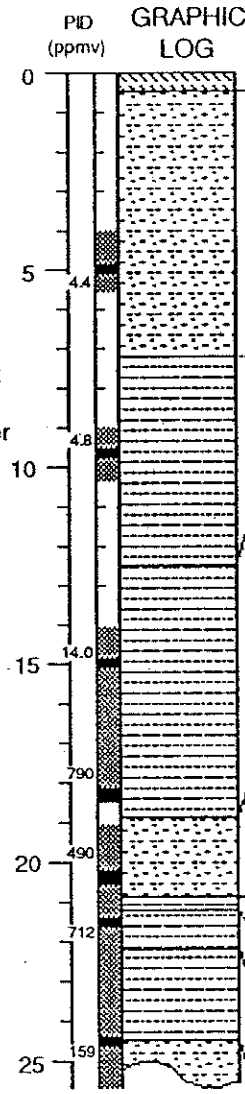
Logged by:	John Duey
Supervisor:	James Carmody; RG 4872
Drilling Company:	Soils Exploration Services
Driller:	Rick Carr
Drilling Method:	Hollow stem auger
Date Drilled:	August 16, 1990
Well Head Completion:	Locking watertigh well plug with traffic-rated vault
Type of sampler:	Split barrel (1.5", 2", 2.5" ID)

Boring Log and Well Construction Details - Well MW-15 (BH-J)

Chevron SS #9-0260
Hayward, California

WELL MW-16 (BH-K)





DESCRIPTION

Asphalt and baserock (Gravelly SILT) 6"

Sandy SILT (ML); olive-brown; stiff; dry; ~35% very fine to fine sand; non plastic; moderate K; no odor

~40 % sand at 4'

Silty CLAY (CL); dark brown mottled white; very stiff; damp; ~20% very fine to fine sand; low plasticity; very low K; no odor; caliche horizon

(Contact-driller)

Sandy CLAY (CL); light blue-gray; very stiff; damp; ~35% very fine to fine sand; low plasticity; very low K; slight hydrocarbon odor

6" Sandy SILT (ML) layer; light blue-gray; ~40%very fine to fine sand; low to moderate K; root pores at 15.5'

Mottled yellow-brown; stiff; weak hydrocarbon odor at16'

Sandy SILT (ML); blue-gray; firm; moist; ~40% very fine to fine sand; non to low plasticity; low to moderate K; weak hydocarbon odor

4" Silty Clay (CL) layer; very low K; weak hydrocarbon odor

1' Clayey SILT (ML) layer; low plasticity; low K

Silty CLAY (CL); blue-gray mottled olive-gray; firm; moist; ~10% very fine sand; low plasticity; very low K; slight hydrocarbon odor

Sandy SILT (ML); blue-gray mottled olive-gray; firm; moist; ~20% very fine to fine sand; very low to low plasticity; low K; slight hydrocarbon odor

EXPLANATION

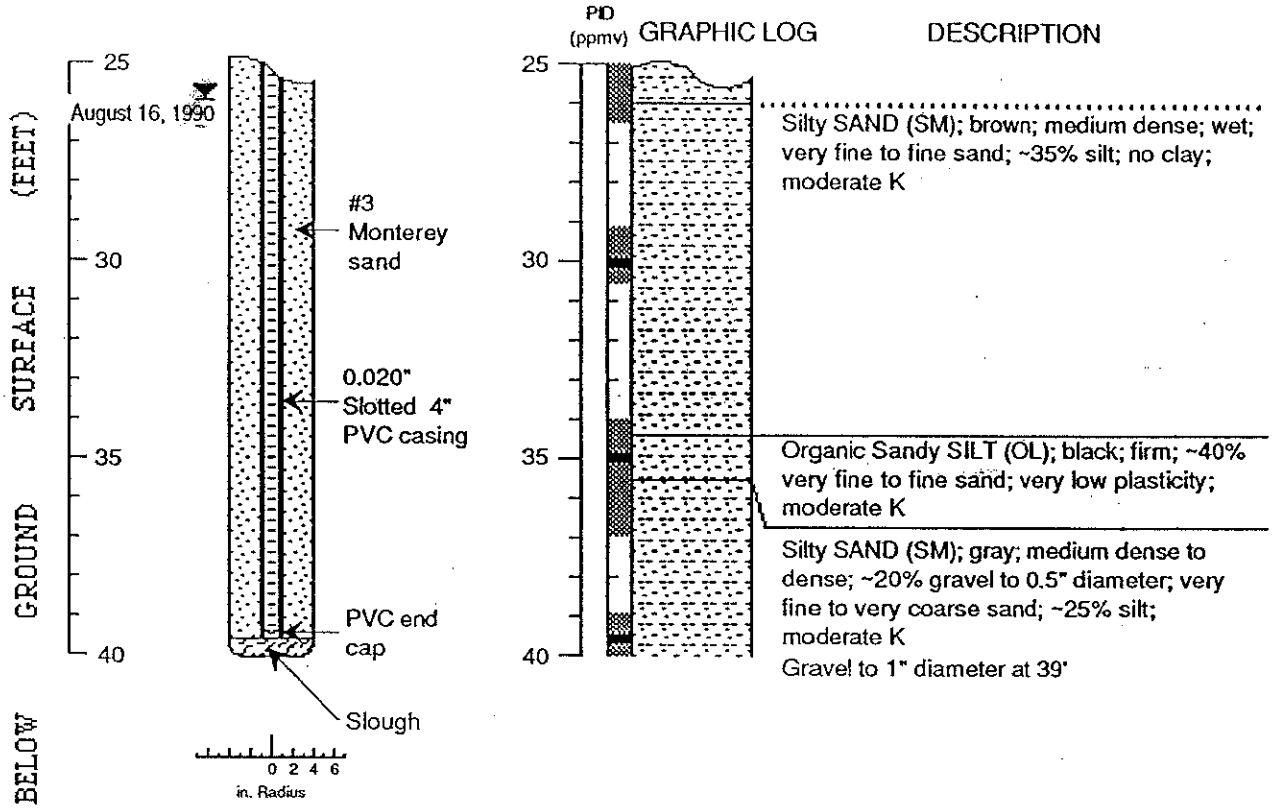
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approx.)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged by:	John Duey
Supervisor:	James Carmody; RG 48722
Drilling Company:	Soils Exploration Services
Driller:	Rick Carr
Drilling Method:	Hollow stem auger
Date Drilled:	August 16, 1990
Well Head Completion:	Locking watertight well-plug with traffic-rated vault
Type of sampler:	Split barrel (1.5" ID)

Boring Log and Well Construction Details - Well MW-16 (BH-K)

Chevron SS #9-0260
Hayward, California

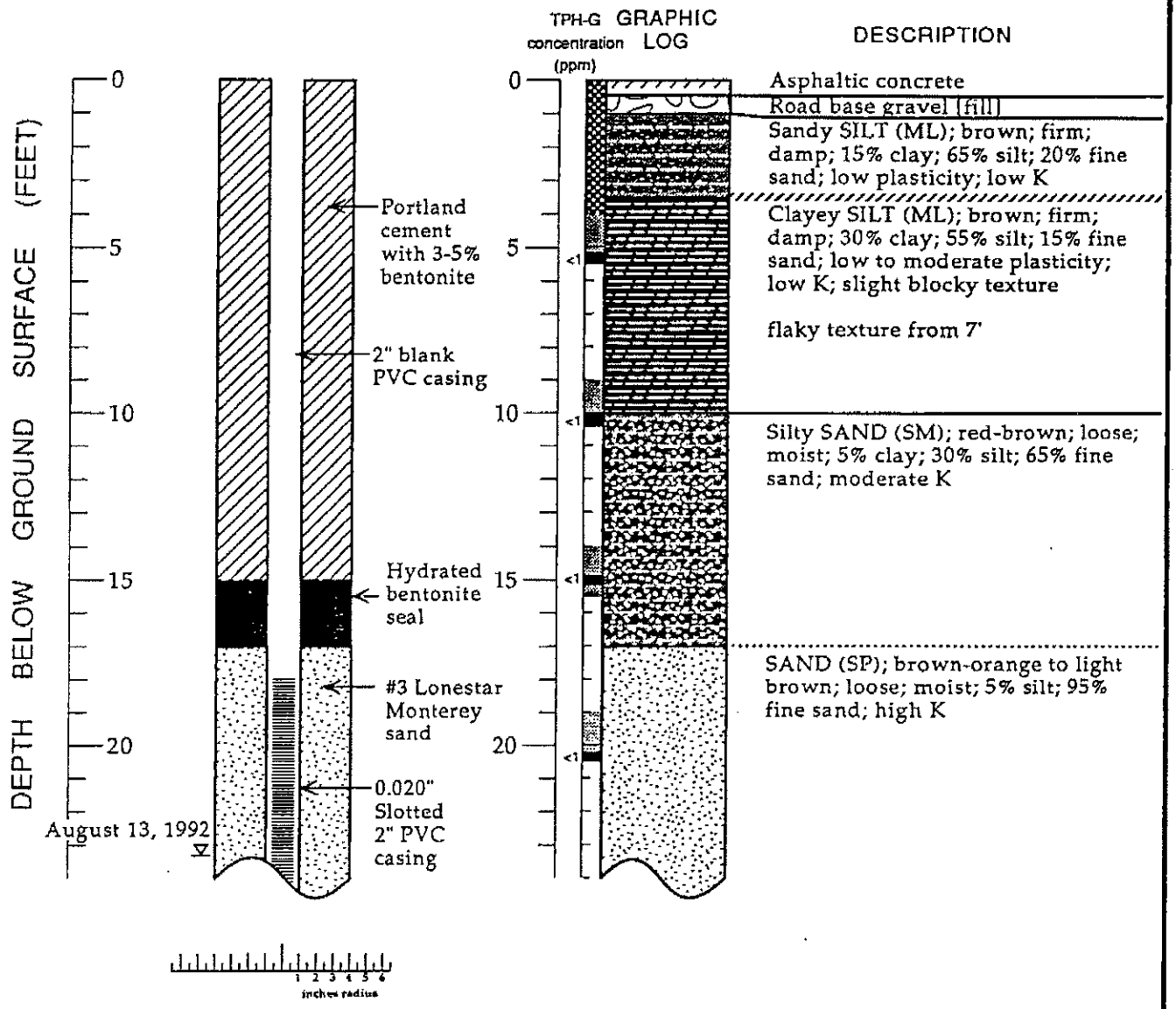
WELL MW-16 (BH-K) (cont.)



Boring Log and Well Construction Details - Well MW-16 (BH-K)

Chevron SS #9-0260
Hayward, California

WELL MW-17 (BH-T)



EXPLANATION

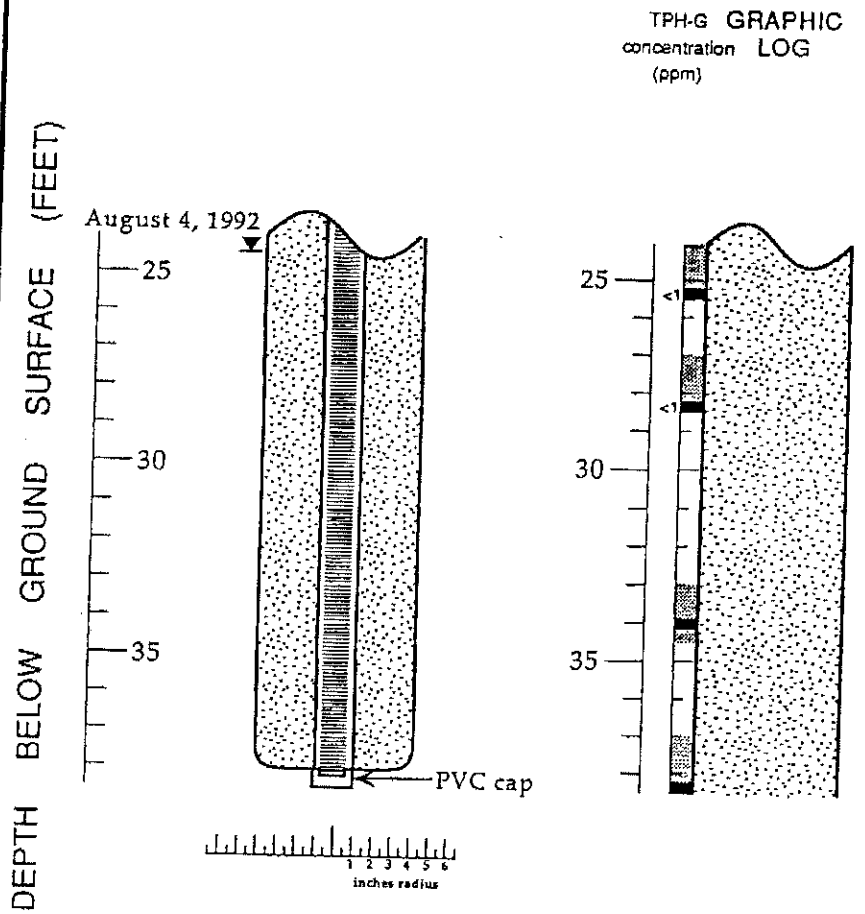
- ▼ Water level during drilling (date)
- ▽ Water level (date)
- ..... Contact (dotted where approximate)
- —?—?— Uncertain contact
- ////////// Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Bayland Drilling, Menlo Park, CA
License Number: C57-374152
Driller: Frank Bartolovich
Drilling Method: Hollow-stem auger
Date Drilled: August 4, 1992
Well Head Completion: 2" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 106.59 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-17 (BH-T) - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

8/20/92

WELL MW-17 (BH-T) (cont.)



Boring Log and Well Construction Details - Well MW-17 (BH-T) - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

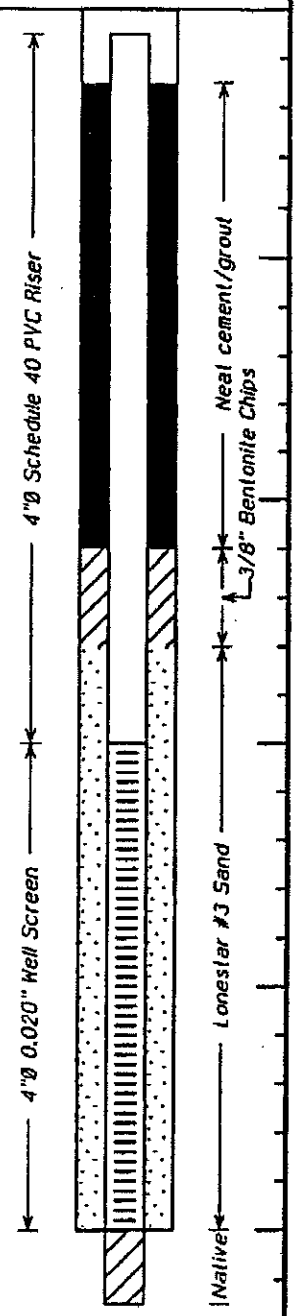
8/20/92

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF GROUNDWATER MONITORING WELL MW-18

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						PAVEMENT section
					CL	CLAY, silt (15-20%), very dark gray 10YR3/1), soft, damp, plastic
0.2	10	MW18-5.3	5			AS above, dark grayish brown, (10YR4/2), stiff, damp
60.4	24	MW18-10.8	10			AS above, grayish brown (2.5Y5/2), very stiff, damp, plastic, product odor, veins with gray staining
135.9	10	MW18-15.8	15			AS above, sand (10-15%), greenish gray (5/10GY), moist, slightly plastic, slight product odor
					SM	SAND, fine, silt (10-20%), clay (5-10%), olive (5Y4/3), medium dense, wet
72.4	13	MW18-20.8	20			
			25			AS above
3.1	20	MW18-25.8			CL	CLAY, silt (5-10%), dark grayish brown (2.5Y4/2), very stiff, moist, plastic, mottling
			30			*Bottom of boring at 25 feet.*

WELL DIAGRAM



PROJECT Chevron Station 9-0260	DRILLING COMPANY BAEI
LOCATION 21995 Foothill Boulevard, Hayward	DATE DRILLED 7/16/97
JOB NUMBER 30-0236	SURFACE ELEVATION Not surveyed
GEOLOGIST Cliff M. Garratt	TOTAL DEPTH OF HOLE 25 Feet
8"Ø Hollow Stem Auger	FIRST GROUNDWATER @ 20 Feet

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-19/MW-19
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	311915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8-inch	**SCREENED INTERVAL**	35 to 45 ft bgs
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	40.0 ft (08-May-06)
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
0		MW-19-5	5	SW	**Silty SAND with gravel** : Light brown; 55% sand, 35% silt, 10% 1/2-inch diameter gravel; dry; non-plastic; high estimated permeability.	6.0
				ML	**Sandy SILT with clay** : Dark brown; 60% silt, 20% sand, 20% clay; dry; moderate estimated plasticity; moderate estimated permeability.	10.0
1	3 6 8	MW-19-10.5	10	ML	**Clayey SILT with sand** : Brown to dark brown, mottled; 70% silt, 25% clay, 5% sand; medium dense; dry; moderate estimated plasticity; moderate estimated permeability.	15.0
399	3 6 8	MW-19-15.5	15	ML	**Sandy SILT** : Dark brown; 60% silt, 35% fine-grained sand, 5% clay; medium dense; damp; low estimated plasticity; moderate estimated permeability.	20.0
29	3 8 9	MW-19-20.5	20	ML	**Clayey SILT** : Greenish gray with blue; 70% silt, 30% clay; medium dense; damp; moderate estimated plasticity; moderate to low estimated permeability.	25.0
2	4 6 7	MW-19-25.5	25	SP	**Silty SAND with clay** : Greenish gray with blue; 70% fine-grained sand, 20% silt, 10% clay; medium dense; damp; non-plastic; high estimated permeability.	31.0
	4 6 8	MW-19-30	30	CL	**Silty CLAY with sand and gravel** : Greenish gray with blue; 40% clay, 30% silt, 15% sand, 15% gravel; stiff; damp; moderate estimated plasticity; low estimated permeability.	35.0
			35			

WELL DIAGRAM: 2" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12

WELL LOG (PID): I:\CHEVRON\3119-1311915-1311915-1IGINT\9-0260.GPJ DEFAULT.GDT 7/16/09

Continued Next Page

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

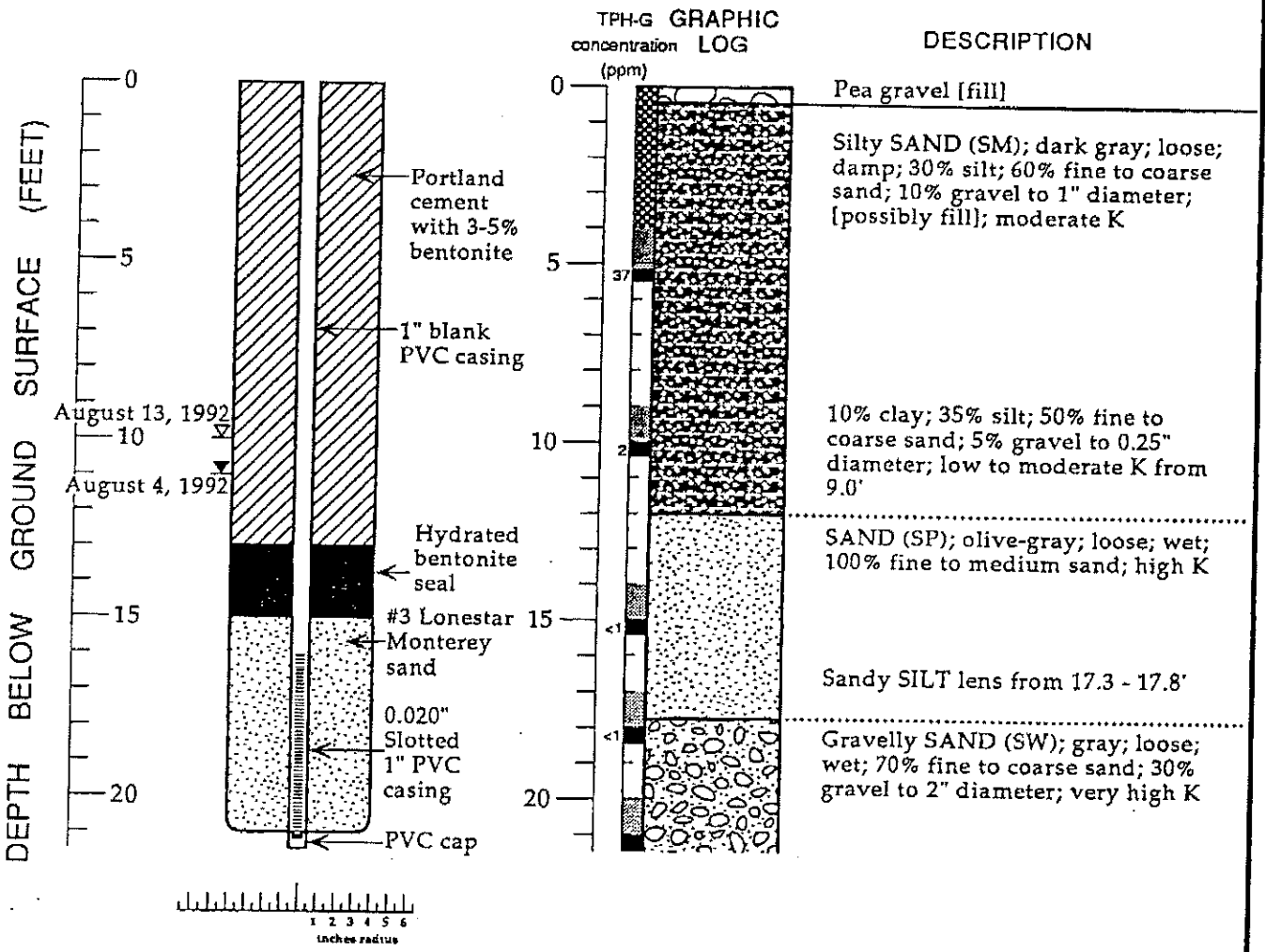
CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	MW-19/MW-19
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	08-May-06

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
	4 7 11	MW-19-35			SP		**Silty SAND** : Greenish gray with blue; 70% fine-grained sand, 30% silt; medium dense; moist; non-plastic; high estimated permeability.		
				40			▽	40.0	
0	7 12 13	MW-19-40.5			SP		**Silty SAND** : Greenish gray; 70% fine-grained sand, 20% silt, 5% clay, 5% sand; medium dense; wet; non-plastic; high estimated permeability.		2"-diam., 0.020" Slotted Schedule 40 PVC
				45				45.0	
0	7 9 13	MW-19-45.5			ML		**Sandy SILT with clay** : Greenish gray; 65% silt, 20% very fine-grained sand, 10% clay, 5% gravel; medium dense; moderate estimated plasticity; moderate estimated permeability.	46.5	Bottom of Boring @ 45 ft

WELL LOG (PID) I:\CHEVRON\3119-\311915-1\GINT\9-0260.GPJ DEFAULT.GDT 7/16/09

PIEZOMETER P-1 (BH-U)



EXPLANATION

- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: James W. Carmody; CEG 1576
Drilling Company: Bayland Drilling, Menlo Park, CA
License Number: C57-374152
Driller: Frank Bartolovich
Drilling Method: Hollow-stem auger
Date Drilled: August 4, 1992
Type of Sampler: Split barrel (2" ID)
Piezometer Head Completion: Locking cap, traffic-rated vault
Ground Surface Elevation: 86.73 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Piezometer Construction Details - Piezometer P-1 (BH-U) - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

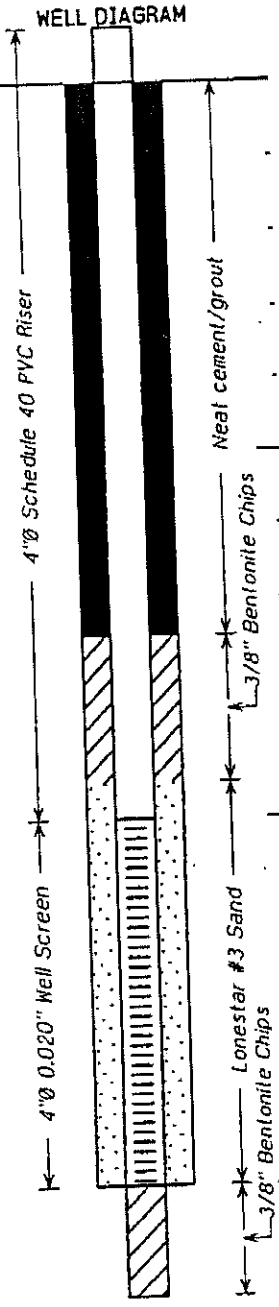
8/20/92

LOG OF DUAL VAPOR EXTRACTION WELL DVE-1

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					ML	SILT, clay (25-30%), brown (10YR5/3), very stiff, damp, slightly plastic
4.4	21	DVE1-5.3	5			
					CL	CLAY, silt (20-25%), sand (trace), fine, olive gray (5Y4/2), stiff, damp, plastic
210.5	14	DVE1-10.3	10		SM	SAND, fine, silt (15-25%), clay (trace), olive gray (5Y4/2), medium dense, moist, product odor
					SP	SAND, fine, fines (trace), olive gray (5Y3/2), medium dense, wet, product odor
466.6	20	DVE1-15.5	15			
			20			*Bottom of boring at 15 feet.*

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 15 Feet
15 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-2

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5-10%), sand (trace), fine, dark olive gray (5Y3/2), stiff, damp, slightly plastic
0.9	11	DVE2-5.3	5			
391.3	16	DVE2-10.3	10			AS above, silt (20-30%), olive gray (5Y5/2), very stiff, plastic
						AS above, silt (25-35%), stiff, wet, slightly plastic
116.8	14	DVE2-15.5	15		SP	SAND, fine, fines (trace), olive gray (5Y3/2), medium dense, wet.
			20			*Bottom of boring at 14.5 feet.*

WELL DIAGRAM

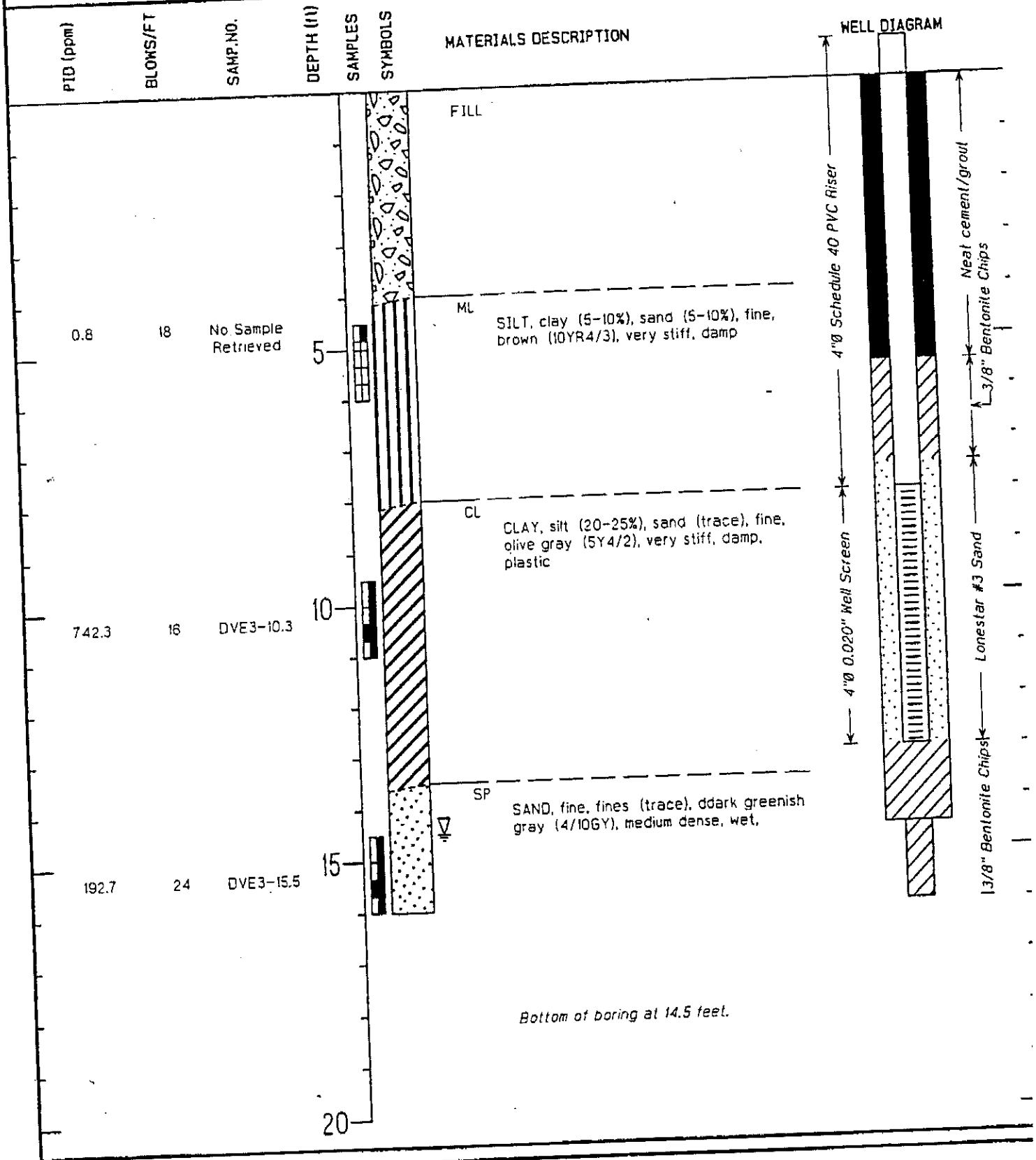
4"Ø Schedule 40 PVC Riser
4"Ø 0.020" Well Screen
Neat cement/grout
3/8" Bentonite Chips
Lonestar #3 Sand
3/8" Bentonite Chips

PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet
14.5 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-3

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
Cliff M. Garratt

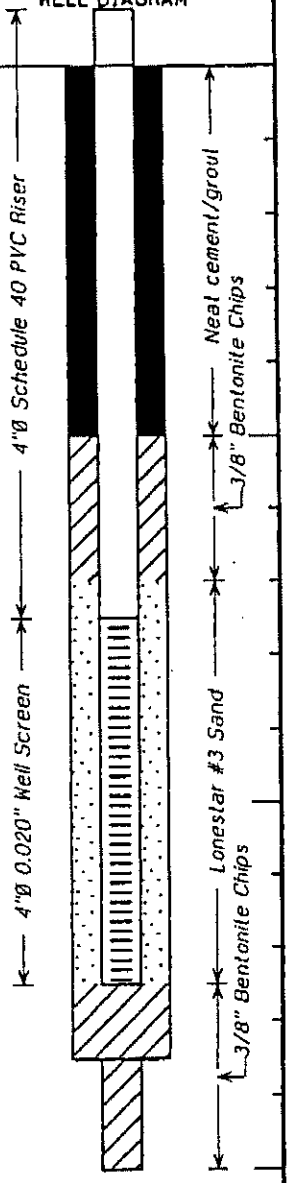
DRILLING COMPANY BAE
DATE DRILLED 7/18/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-4

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES SYMBOLS	MATERIALS DESCRIPTION
					FILL
				CL	CLAY, silt (5-10%), olive (5Y4/3), stiff, damp, plastic, product odor
937.6	13	DVE4-4.8	5		
					AS above, silt (10-20%), dark greenish gray (4/10Y), plastic product staining
181.4	14	DVE4-9.8	10		
					AS above, sand (5-15%), moist
1093	17	DVE4-14.3		SM	SAND, fine, silt (10-20%), dark greenish gray (4/10Y), medium dense, wet,
			15		
					Bottom of boring at 13.5 feet.
			20		

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

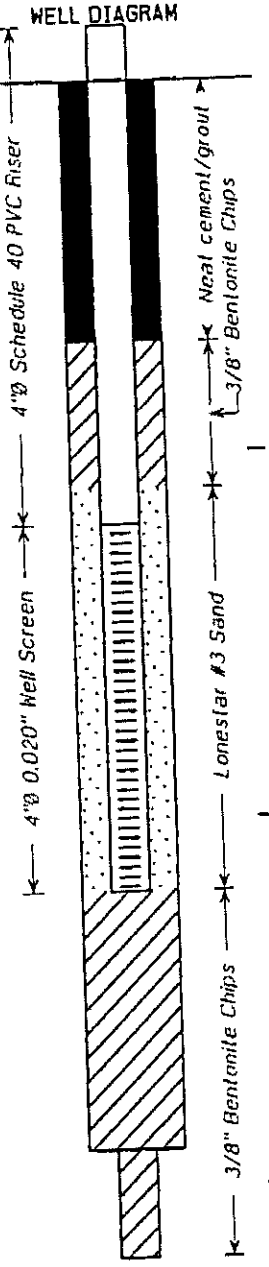
DRILLING COMPANY BAEi
DATE DRILLED 7/18/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 13.5 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-5

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (10-15%), sand (trace), fine, dark grayish brown (2.5Y4/2), stiff, damp, plastic
366.4	9	No Sample Retrieved	5			
492.6	16	DVE5-10.0 DVE5-10.3	10			AS above, silt (20-30%), sand (5-10%), olive (5Y4/3), very stiff, mottling
					SP	SAND, fine, silt (5-10%), olive (5Y4/3), medium dense, wet.
125.3	24	DVE5-15.0 DVE5-15.3	15			
			20			*Bottom of boring at 14.5 feet.*

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
Cliff M. Garratt

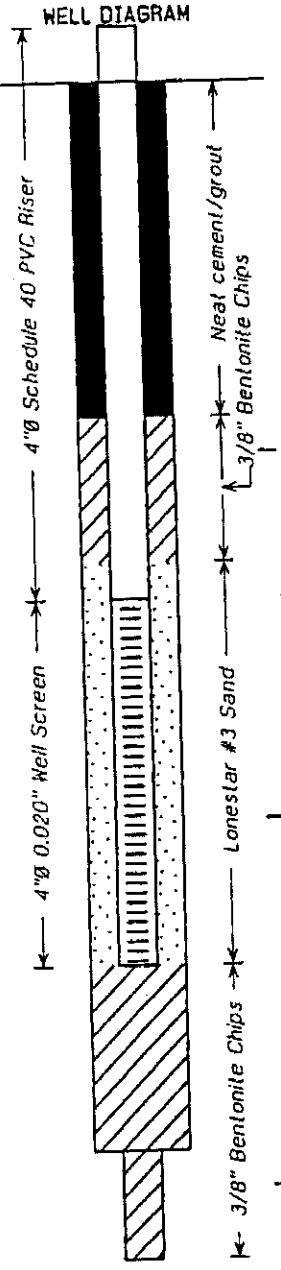
DRILLING COMPANY BAEi
DATE DRILLED 7/16/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-6

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5-10%), dark olive gray (5Y3/2), medium stiff, moist to damp, plastic
38.8	7	DVE6-5.3	5			
1093	18	DVE6-10.3	10			AS above, silt (20-30%), sand (trace), light olive brown (2.5Y5/3), very stiff, damp, plastic, greenish gray mottling
					SP	SAND, fine, silt (±5%), olive (5Y4/3), medium dense, wet,
510.2	24	DVE6-15.3	15			
			20			Bottom of boring at 14.5 feet.

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

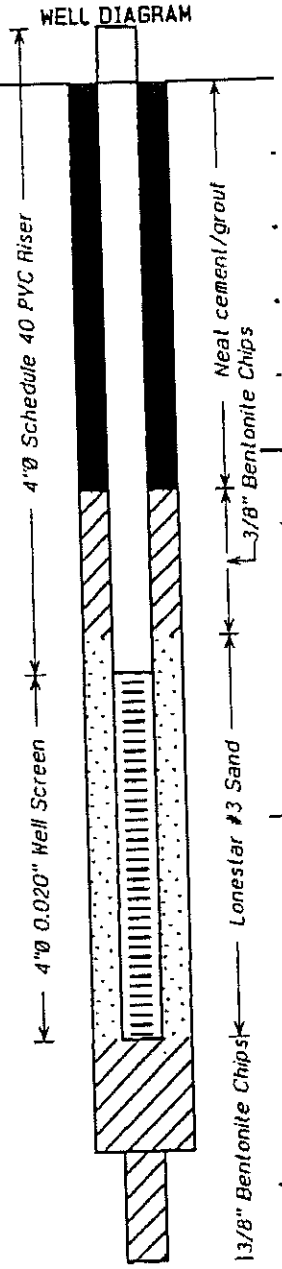
DRILLING COMPANY BAEi
DATE DRILLED 7/16/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-7

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5-10%), dark greenish gray (4/10Y), stiff, moist, slightly plastic, mottling
12.4	8	DVE7-5.3	5			
424.2	17	DVE7-10.3	10			AS above, silt (25-35%), sand (10-15%), dark grayish brown (2.5Y4/2), very stiff, damp, plastic, mottling
					SP	SAND, fine, silt (5-10%), dark greenish gray (4/10Y), medium dense, wet,
156.8	25	DVE7-15.5	15			
			20			*Bottom of boring at 14.5 feet.*

WELL DIAGRAM



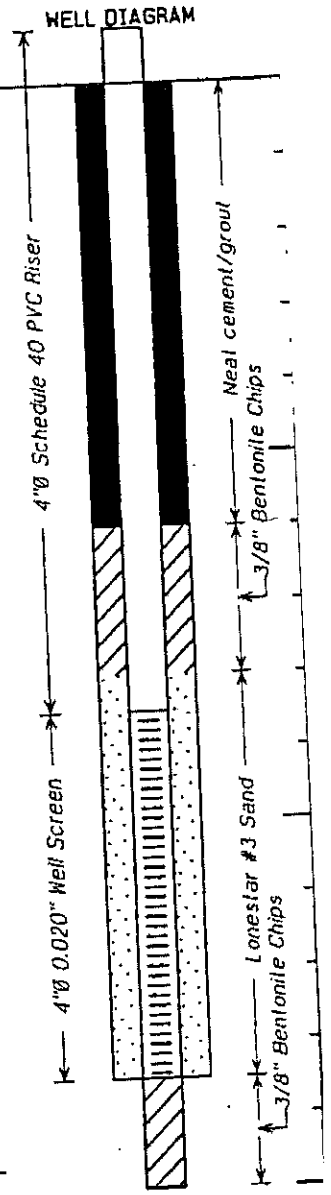
PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/18/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-8

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5-10%), dark greenish gray (4/10Y), stiff, moist to damp, slightly plastic, mottling
7.6	10	DVE8-5.0	5			
						AS above, silt (25-35%), sand (5-10%), olive (5Y4/3), very stiff, damp to moist
297.6	15	DVE8-10.3	10			
1032	20	DVE8-14.3	15		SP	SAND, fine, silt (5-10%), dark greenish gray (4/10Y), medium dense, wet.
			20			*Bottom of boring at 13.5 feet.*



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

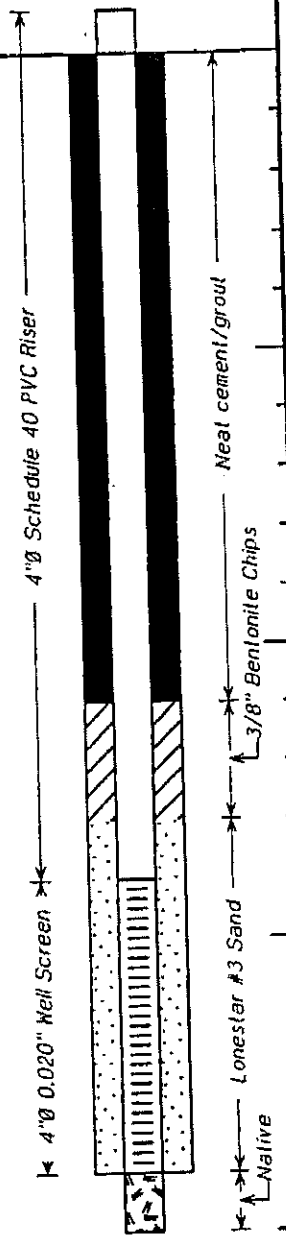
DRILLING COMPANY BAEi
DATE DRILLED 7/18/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 13.5 Feet
FIRST OBSERVED GW 13.5 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-9

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5–10%), sand (trace), fine, dark greenish gray (3/10Y), medium stiff, damp to moist, plastic
3.2	7	DVE9-5.3	5			
1093	17	DVE9-10.0 DVE9-10.3	10			AS above, silt (25–35%), olive brown (2.5Y4/3), very stiff, damp, very plastic, motling, product odor
					SM	SAND, fine, silt (15–20%), clay (trace), dark greenish gray (4/5GY), medium dense, wet, silt grades to 20–25%
1093	18	DVE9-15.5	15			
					SP	SAND, fine, fines (trace), dark greenish gray (4/5GY), medium dense, wet.
182.9	20	DVE9-19.3	20			
			25			*Bottom of boring at 20 feet.*

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 20 Feet

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DVE-9
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10-inch	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	14.5 ft (17-Jul-97)
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA

REMARKS

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				5, 10, 15, 20, 25			DVE-9 was deepened in the same location. Originally DVE-9 was a 4-inch diameter remediation well 13 feet deep, screened from 8 to 13 feet below grade. DVE-9 was overdrilled using 10-inch diameter hollow stem augers to a depth of 28 feet and the original 4-inch diameter well was removed. MW-5 was then constructed using 4-inch diameter, 0.010-inch Slotted Schedule 40 PVC and screened from 10 to 25 feet below grade.	28.0	4" diam., Schedule 40 PVC Portland Type I/II Bentonite Seal Monterey Sand #2/12 4"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 28 ft

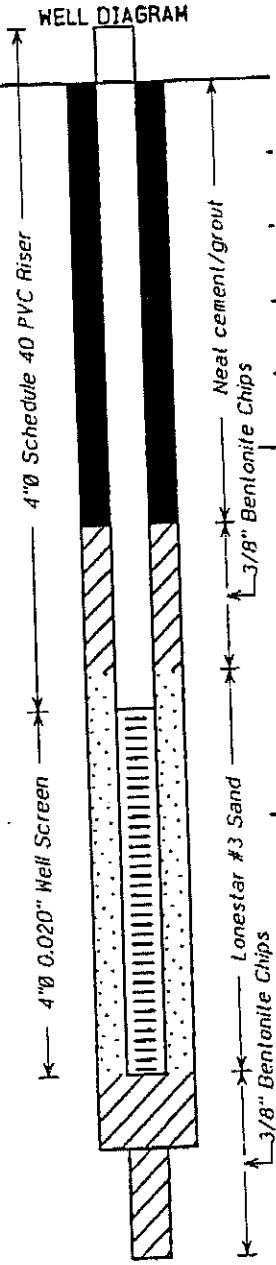
WELL LOG (COAX/AL/TPHG) I:\9-0260 HAYWARD\REMEDIATION 2006\WELL MODIFICATIONS\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 11/27/06

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-10

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					ML	SILT, clay (5-10%), sand (trace), fine, black (10YR2/1), damp
						AS above, clay (25-30%), no sand
30.3	9	DVE10-5.3	5			
						AS above, clay (15-20%), olive gray (5Y4/2), very stiff, damp, mottling
34.7	19	DVE10-10.3	10			
					CL	CLAY, silt (5-10%), olive gray (5Y4/2), stiff, moist, plastic
724	17	DVE10-15.0 DVE10-15.3	15		SP	SAND, fine, silt (15-25%), clay (5-10%), olive gray (5Y4/2), medium dense, wet,
						Bottom of boring at 14.5 feet.
			20			

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236

DRILLING COMPANY BAEi
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

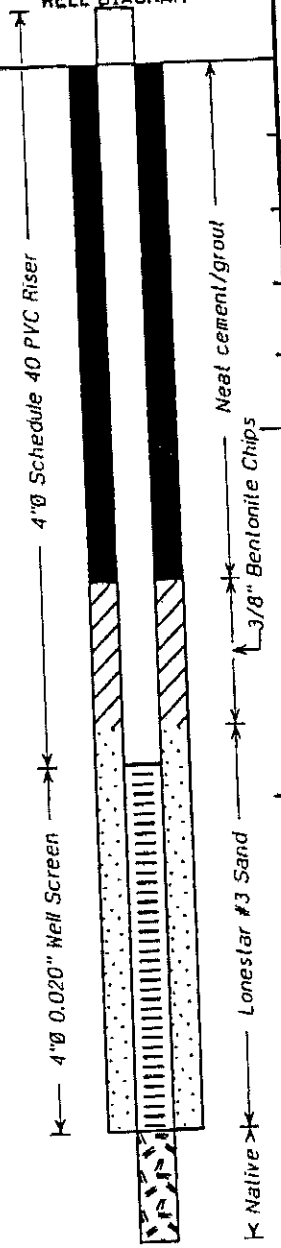
LOG OF DUAL VAPOR EXTRACTION WELL DVE-11

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (25-35%), black (2.5/N), very stiff, damp, plastic
2.8	13	DVE11-5.3	5			
					ML	SILT, clay (20-25%), olive gray (5Y4/2), very stiff, damp, mottling plastic
					CL	CLAY, silt (5-10%), greenish gray (5/5GY), stiff, wet, slightly plastic, thin SM bed @ ±15.2 feet
731	21	DVE11-10.3	10			
1093	12	DVE11-15.3	15			
			20			

Bottom of boring at 14.5 feet.

WELL DIAGRAM



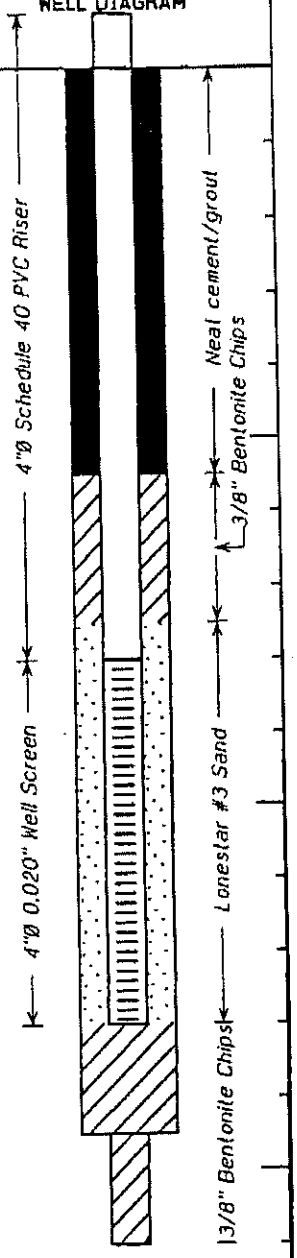
PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236

DRILLING COMPANY BAEi
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-12

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
					CL	CLAY, silt (5-10%), dark greenish gray (3/10Y), stiff, damp, plastic
3.1	13	DVE12-5.3	5			
1093	17	DVE12-10.3	10			AS above, silt (25-35%), sand (5-10%), olive (5Y5/3), very plastic, product odor, mottling
1093	21	DVE12-15.3	15		SM	SAND, fine, silt (10-20%), dark greenish gray (4/10Y), medium dense, moist to wet.
			20			*Bottom of boring at 14.5 feet.*



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236

DRILLING COMPANY BAEI
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
14.5 Feet

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DVE-12
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	10-inch	**SCREENED INTERVAL**	NA; NA
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	14.5 ft (17-Jul-97) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				5, 10, 15, 20, 25			DVE-12 was deepened in the same location. Originally DVE-12 was a 4-inch diameter remediation well 13 feet deep, screened from 8 to 13 feet below grade. DVE-12 was overdrilled using 10-inch diameter hollow stem augers to a depth of 28 feet and the original 4-inch diameter well was removed. DVE-12 was then constructed using 4-inch diameter, 0.010-inch Slotted Schedule 40 PVC and screened from 10 to 25 feet below grade. ▽	28.0	4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.010" Slotted Schedule 40 PVC; Bottom of Boring @ 28 ft

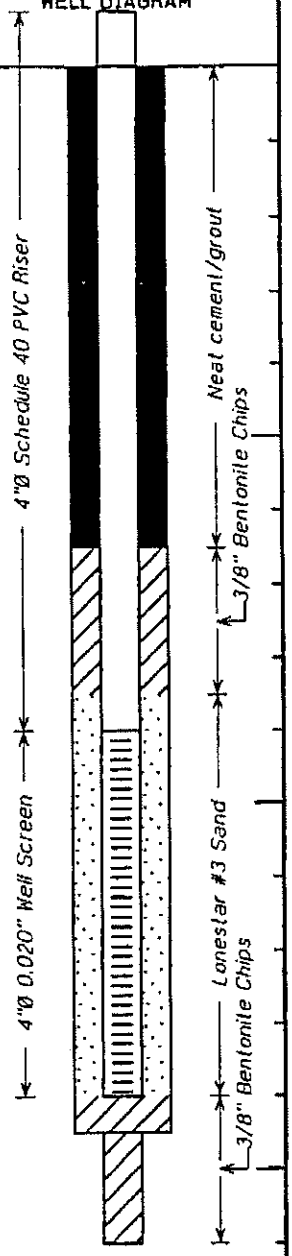
WELL LOG (COAXIAL/TPHG) I:\9-0260 HAYWARD\REMEDIATION 2006\WELL MODIFICATIONS\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 11/27/06

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-13

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						FILL
						ML — SILT, sand (10-15%), fine, very dark grayish brown (2.5Y3/2), stiff damp
N/A	18	No Sample Retrieved	5			
						CL — CLAY, silt (20-30%), olive brown (2.5Y4/3), stiff, damp, plastic
732.5	17	DVE13-10.3	10			
					▽	AS above, sand (5-10%), fine, olive (5Y5/3), wet
1093	27	DVE13-15.3	15			SP — SAND, fine, fines (trace), dark greenish gray (4/10GY), medium dense, wet.
			20			*Bottom of boring at 14.5 feet.*

WELL DIAGRAM



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236

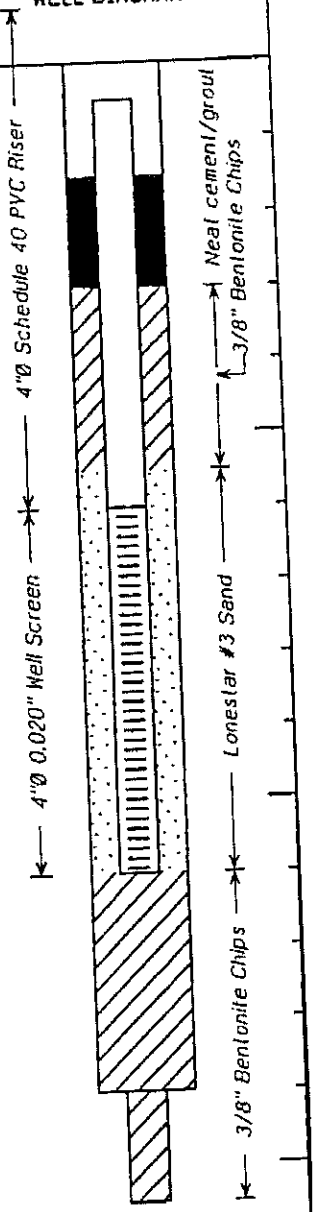
DRILLING COMPANY BAEI
DATE DRILLED 7/17/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14.5 Feet

LOG OF DUAL VAPOR EXTRACTION WELL DVE-14

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						PAVEMENT section
					CL	CLAY, silt (10-15%), sand (5-10%), dark greenish gray (3/10Y), medium stiff, damp, very plastic, product odor
32.4	7	No Sample Retained	5			
418.9	12	DVE14-10.3	10			AS above, dark yellowish brown (10YR4/6), stiff, damp, plastic.
					SM	SAND, fine, silt (10%), clay (trace), olive (5Y4/2) grades to dark greenish gray (4/5GY), dense, wet
485.3	29	DVE14-14.8	15			
			20			*Bottom of boring at 14 feet.*

WELL DIAGRAM



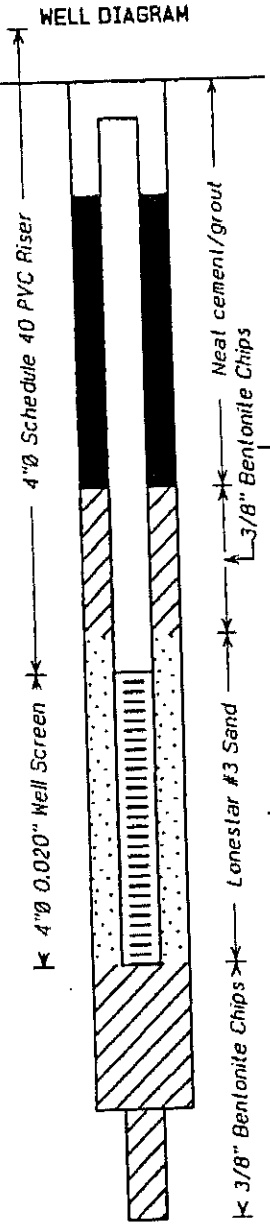
PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/16/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-15

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						PAVEMENT section
					CL	CLAY, silt (10-15%), sand (trace), black (2.5/N), medium stiff, damp, slightly plastic, product odor
			5			
3.5	12	DVE15-5.8				AS above, silt (5-10%), no sand, dark olive gray (5Y3/2), stiff
			10			
344.9	12	DVE15-10.8				AS above, sand (10-15%), dark grayish brown (2.5Y4/2), moist
						FROM cuttings, sand (25-35%)
					SP	SAND, fine, silt (trace), olive gray (5Y4/2), dense, wet
127.2	30	DVE15-14.5	15			
						Bottom of boring at 14 feet.
			20			



PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

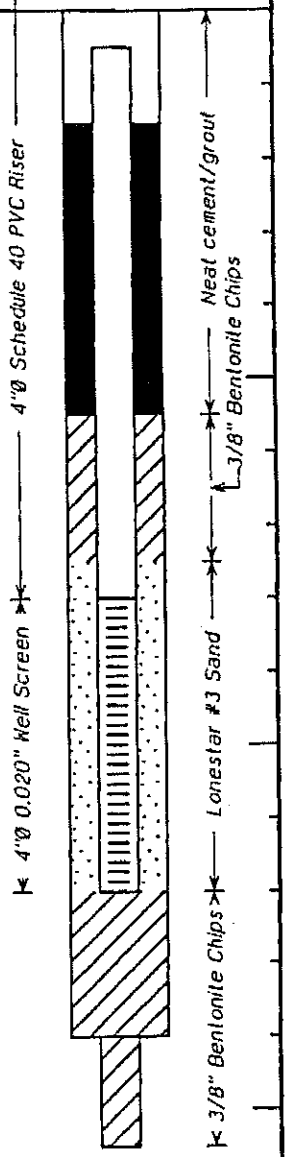
DRILLING COMPANY BAEi
DATE DRILLED 7/16/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14 Feet
14 Feet

TERRA VAC CORPORATION
1651 Alvarado Street, San Leandro, CA 94577

LOG OF DUAL VAPOR EXTRACTION WELL DVE-16

PID (ppm)	BLOWS/FT	SAMP.NO.	DEPTH (ft)	SAMPLES	SYMBOLS	MATERIALS DESCRIPTION
						PAVEMENT section
					CL	CLAY, silt (15-20%), sand (trace), very dark grayish brown (10YR3/2), medium stiff, damp, slightly plastic
2.3	20	DVE16-5.7	5			AS above, silt (20-30%), sand (5-10%), very dark brown (10YR2/2), medium stiff, dry to damp, non plastic
1093	16	DVE16-10.8	10			AS above, sand (trace), olive brown (2.5Y4/3), veery stiff, damp, slightly plastic, product odor
458.1	11	DVE16-14.8	15			AS above, sand (10-15%), olive (5Y4/3) with gray green mottling, wet
					SM	SAND, fine, silt (>10%), insufficient sample to log color, medium dense, wet
			20			*Bottom of boring at 14 feet.*

WELL DIAGRAM



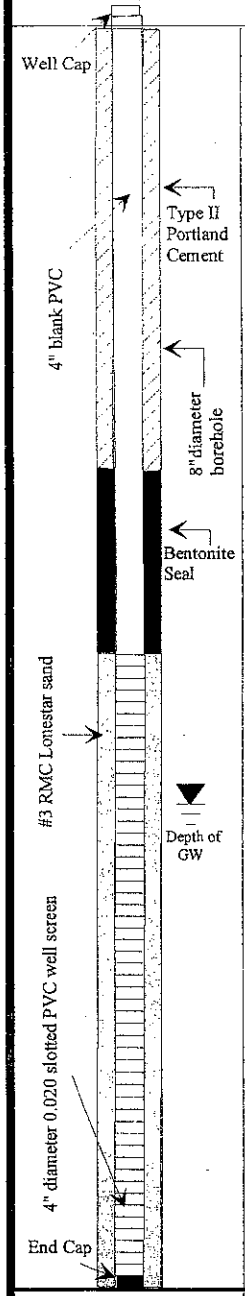
PROJECT Chevron Station 9-0260
LOCATION 21995 Foothill Boulevard, Hayward
JOB NUMBER 30-0236
GEOLOGIST Cliff M. Garratt

DRILLING COMPANY BAEi
DATE DRILLED 7/16/97
SURFACE ELEVATION Not surveyed
TOTAL DEPTH OF HOLE 14 Feet

Terra Vac

Logged by: Mary Holland-Ford

BORING NO.	PROJECT NAME:	PROJECT ADDRESS:	PROJECT NUMBER:	DATE DRILLED:	SHEET
DVE-17	Former Chevron 9-0260	21995 Foothill Blvd, Hayward, California	30-0236	March 12, 1999	1 OF 1

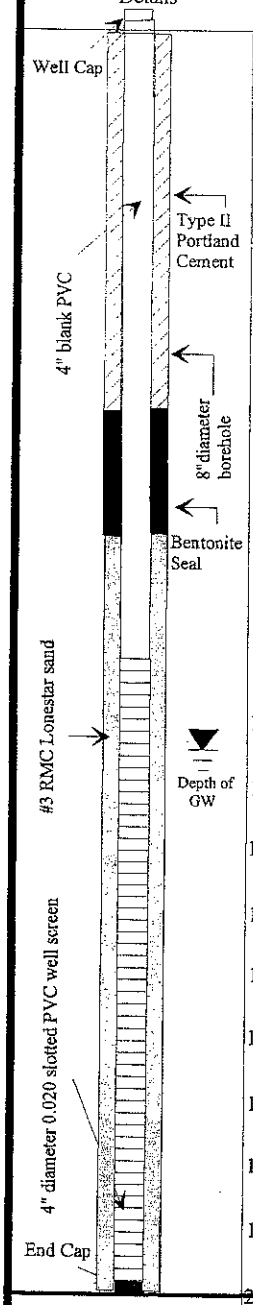


DEPTH	Sampler Interval	PID Reading	Blow/ 6 inches	USCS	LOG OF MATERIAL
				af	FILL
5	4½'-5'	0	2/4/6	CL	**Silty Clay.** Clay with silt; some gravel; stiff; slightly plastic; roots and rootholes; brown.
10	9½'-10'	0	5/12/15		increasing sand and gravel content (10%); light brown with gray.
15	14½'-15'	17	5/10/14	SP	**Gravelly Sand.** fine grained sand, well sorted, and well rounded with some gravel (15%); tan with gray; wet; petroleum odor.
20					Total Depth 20 feet

Terra Vac

Logged by: Mary Holland-Ford

BORING NO. DVE-18	PROJECT NAME: Former Chevron 9-0260	PROJECT ADDRESS: 21995 Foothill Blvd, Hayward, California	PROJECT NUMBER: 30-0236	DATE DRILLED: March 12, 1999	SHEET 1 OF 1

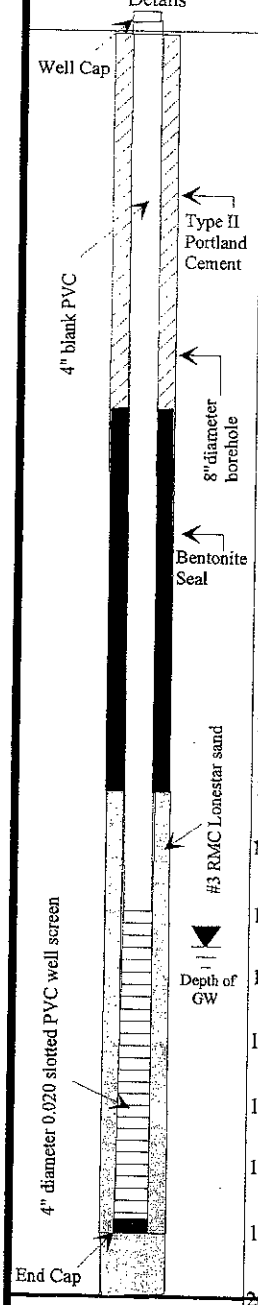


DEPTH	Sampler Interval	PID Reading	Blow/ 6 inches	USCS	LOG OF MATERIAL
				af	FILL
5	4½'-5'	0	3/3/5	CL	**Silty Clay.** with some gravel; stiff; moderately plastic; roots and rootholes; damp; brown with rust mottling.
10	9½'-10'	10	5/7/11		increasing to very stiff; plastic.
15	14½'-15'	28	5/9/14	SP	**Sandy Silt.** ravel: fine grained sand (20%); well sorted, and well rounded; green; crumbles easily with hand pressure; wet; petroleum odor.
20		32		CL	**Silty Clay.** very stiff; highly plastic; green; petroleum odor.
					Total Depth 20 feet

Terra Vac

Logged by: Mary Holland-Ford

BORING NO.	PROJECT NAME:	PROJECT ADDRESS:	PROJECT NUMBER:	DATE DRILLED:	SHEET
DVE-19	Former Chevron 9-0260	21995 Foothill Blvd, Hayward, California	30-0236	March 12, 1999	1 OF 1



DEPTH	Sampler Interval	PID Reading	Blow/ 6 inches	USCS	LOG OF MATERIAL
				af	FILL
5	4 1/2'-5'	0	2/5/7	CL	**Clayey Silt.** Clay with silt; some sand; very stiff; moderately plastic; roots and rootholes; brown with dark brown streaks.
10	9 1/2'-10'	0	5/7/9		increasing fine sands (10%).
14	13 1/2'-14'	58	5/8/16		
15				SP	**Silty Sand.** Very fine grained sand, well sorted, well rounded; green; wet; petroleum odor.
19		41	4/7/9	CL	**Clayey Silt.** With very fine grained sand, green; moist; petroleum odor.
20					Total Depth 20 feet

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DVE-20
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06
PROJECT NUMBER	31J-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	10-inch	**SCREENED INTERVALS**	10 to 25 fbg
LOGGED BY	Kamran Javandel/Charlotte Evans	**DEPTH TO WATER (First Encountered)**	25.00 fbg (08-May-06) ▽
REVIEWED BY	B. Foss PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
			5	SW	**Silty SAND with gravel** : Light brown; 55% sand, 35% silt, 10% 1/2-inch diameter gravel; dry; non-plastic; high estimated permeability.	5.8
		DVE20 -6		ML	**Sandy SILT with clay** : Dark brown; 60% silt, 25% very fine-grained sand, 15% clay; medium stiff; damp; moderate estimated plasticity; moderate estimated permeability.	
0	5 11 33	DVE20 -10.5	10		@ 10.25' color change to light brown; increase in moisture to moist.	11.0
				SP	**Gravelly SAND** : Brown; 65% very fine-grained sand, 25% 1/4-inch diameter gravel, 10% silt; dense; moist; non-plastic; high estimated permeability.	11.3
				GP	**GRAVEL with sand** : White; 90% white layered rocks (gravel), 10% very fine-grained sand; dense; dry; non-plastic; low estimated permeability.	
143	5 7 12		15			16.0
				GP	**Sandy GRAVEL with silt** : White; 60% white layered rocks (gravel), 30% very fine-grained sand, 10% silt; medium dense; dry; non-plastic; low estimated permeability.	
			20			20.0

WELL DIAGRAM: 4" diam., Schedule 40 PVC; Portland Type I/II; Bentonite Seal; Monterey Sand #2/12; 4"-diam., 0.010" Slotted Schedule 40 PVC

Continued Next Page

WELL LOG (PID) I:\CHEVRON\3119--1\311915--1\REMEDI~1\WELLMO~1\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 5/7/09

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	DVE-20
JOB/SITE NAME	9-0260	**DRILLING STARTED**	08-May-06
LOCATION	21995 Foothill Boulevard, Hayward, CA	**DRILLING COMPLETED**	08-May-06

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
29	3 4 6	DVE20 -20.5			ML		**Sandy SILT with clay** : Green; 65% silt, 25% fine-grained sand, 10% clay; stiff; damp; moderate estimated plasticity; moderate estimated permeability.	23.0	
				25	ML		**Gravelly SILT with sand** : Bluish green; 60% silt, 25% gravel, 15% fine-grained sand; very stiff; wet; moderate estimated plasticity; moderate estimated permeability. ▽		
7		DVE20 -25.5			ML		**Sandy SILT** : Bluish green; 60% silt, 40% very fine-grained sand; very stiff; damp; low estimated plasticity; low estimated permeability.	26.0 28.0	Bottom of Boring @ 28 fbg

WELL LOG (PID) I:\CHEVRON\3119--1311915--1\REMEDI~1\WELLMO~1\9-0260 BORING LOGS 05-06.GPJ DEFAULT.GDT 5/7/09

02/05/2003 12:29 FAX 002

Street Address: 21995 Foothill Blvd. (FORMER CHEVRON 9-0260) | Total Depth: 25' | Surface E

City State: HAYWARD, CA | Date Project: BG9-0260 | Casing El

TMP-1 Pg 1 of 2

Dates and Times	Logged: WILL SLOWIK	Bore Hole Diameter: 2"
Start: 11/26/02 9:39	Drilling Equipment and Method: GEOPROBE	Diameter, Type and Casing: 3/4" PVC 0.020
Total Depth: 11/26/02 10:25	Sampling Method and Diameter: 2" DIRECT PUSH	
Completion or Backfill: 11/26/02 11:30	Permitting Agency: ALAMEDA CO.	Permit #: W02-1076
Drilling Company and Driller: GREGG DRILLING - PAUL		Driller's C-57

Depth	Casing Size and Type	Annulus Filler	Sample ID	Sample Driven (in)	Sample Recovered	Blow Count	PID readings	USCS	Depth	Visual Discription	Comments
1	0.75-inch PVC	Bent. GROUT						ML	1	GRASS SILT WITH TRACE CLAY AND COARSE SAND; BROWN; SOFT; NON PLASTIC (ML)	
2									2		
3								CL	3	LEAN CLAY, BROWN TO DARK BROWN; MOD PLASTIC; FRIABLE; MOIST (CL)	
4									4		
5									5		
6								CL	6	LEAN CLAY; BROWN; PLASTIC;	NO HC GI
7									7	FIRM; DRY (DARK BROWN MOTTLES) (CL)	OR STAIN
8							0		8		
9									9		
10							6		10		
11							0		11		
12								CL	12	LEAN CLAY BROWN TO LT. BRN;	LIGHT
13									13	FIRM; PLASTIC - MODERATELY, MOIST / DRY (CL)	COLORED "P" "POWDERY" MOTTLES
14							38		14		
15							192	CL	15	LEAN CLAY W/ TRACE FINE SAND	NOTICEABLE
16							242		16	LIGHT BROWN; MOD. PLASTIC;	HC ODOR
17							1000		17	FRIABLE (SOFT) VERY MOIST (CL)	NO STAIN
18	0.020" SLOT	#3 LONESTAR SAND					971	SW	18	WELL GRADED FINE TO VERY	STRONG HC
19							>1300		19	FINE SAND W/ APPRECIABLE CLAY; GRAY; SOFT; VERY MOIST (SW)	ODOR AND STAIN
20							>1000	CL	20	LEAN CLAY LIGHT BROWN TO GRAY W/ APPRECIABLE FINE	
21									21	TO VERY FINE SAND; MOD PLASTIC; SOFT SATURATED (CL)	
22							1250	SW	22	WELL GRADED FINE TO VERY FINE SAND; GRAY; LOOSE; SATURATED (SW)	

02/05/2003 12:29 FAX 003

Street Address: 21995 Foothill Blvd.

City State: Hayward CA

TMP-1. Pg 2 of 2

Dates and Times	Logger	Total Depth	Surface Elevation
Start	Drilling Equipment and Method	Data Project	Casing Elevation
Total Depth 11/26/02 10:25	Sampling Method and Diameter		Bore Hole Diameter
Completion or backfill	Permitting Agency		Diameter, Type and Slot Size Casing
Drilling Company and Driller			Permit #
			Driller's C-57

Casing Size and Type: #3 concrete

Annulus Filler: bb20/

Depth	Sample ID	Sample Driven (in)	Sample Recovered	Blow Count	PID readings	USCS	Depth	Visual Discription	Comments
						CH		FAT CLAY; GRAY; PLASTIC;	NOTICEABLE
23							23	FIRM; MOIST (CH)	HC ODOR AND
24					80	SW	24	WELL GRADED FINE TO MEDIUM SAND. GRAY (STAINED) LOOSE; SATURATED (SW)	STAINING
25							25	CLAY; GRAY; FIRM;	STRONG
26					97	CH	26	FAT PLASTIC-HIGHLY; V. MOIST (CH)	HC ODOR AND STAIN
27							27	BORING TERMINATED @ 25' bsg	
28							28		
29							29		
30							30		
31							31		
32							32		
33							33		
34							34		
35							35		
36							36		
37							37		
38							38		
39							39		
40							40		
41							41		
42							42		
43							43		
44							44		

02/05/2003 12:29 FAX 004

21995 Foothill Blvd. (FORMER CTEVRON 9-0660) 25'659

City State: HAYWARD, CA

Cross Project: DG902260

TMP-2 Pg 1 of 2

Dates and Times	Logged: WILL SLOWIK	Bore Hole Diameter: 2"
Start: 11/26/02 08:30	Drilling Equipment and Method: Geoprobe	Diameter, Type and Sl Casing: 0.75" PI 0.020
Total Depth: 11/26/02 09:25	Sampling Method and Diameter: 2" DIRECT PUSH	
Completion or backfill: 11/26/02 11:20	Permitting Agency: ALAMEDA CO.	Permit #: W02-1075
Drilling Company and Driller: GREGG DRILLING - PAUL		Driller's C-57

Casing Size and Type: 0.75-inch PVC
Annulus Filler: CEMENT (bent.)
#3 LONESTAR SAND
0.020 SLOT

Depth	Sample ID	Sample Driven (in)	Sample Recovered	Blow Count	PID readings	USCS	Depth	Visual Discription	Comments
								GRASS	
							1		
							2	LEAN CLAY WITH APPRECIABLE SILT; BROWN TO DARK BROWN; FRIABLE; LOW PLASTICITY;	
						CL	3	MOIST. (CL)	
							4		
						CL	5	LEAN CLAY; LIGHT BROWN;	
					0			FRIABLE; MODRATE PLASTICITY;	
							6	MOIST (CL)	
							7		
					2	CL		LEAN CLAY, DARK BROWN	
							8	VERY FRIABLE (SOFT); MOD PLASTICITY; MOIST (CL)	
							9		
					17	CL		LEAN CLAY; LIGHT BROWN W/	
							10	GRAY MOTTLES (CL)	
							11		
					2				
							12		
							13		
					31				
							14		
							15		
							16		
						CL		LEAN CLAY - GRAY/BROWN	NOTICEABLE
					109			FRIABLE; MOD PLASTIC	STALE HC
							17	VERY MOIST (CL)	ODOR
									▼
				>2000			18		
				16		SC		CLAYEY SAND - WELL GRADED	STRONG
							19	FINE TO MEDIUM SAND;	PETROLEUM
								(SC)	HYDROCAR
							20		
				56			21		
						CL		LEAN CLAY; GRAY; MOD PLASTIC;	STRONG
							22	FRIABLE MOIST (CL)	HC ODOR
				197					GRAY STAIN

Street Address: 21995 Foothill Blvd.
City State: Hayward, CA

TMP-2 Pg 2 of 2

Dates and Times	Logger	Bore Hole Diameter
Start	Drilling Equipment and Method	Diameter, Type and Slot Si: Casing
Total Depth 11/26/02 9:25	Sampling Method and Diameter	
Completion or backfill	Permitting Agency	Permit #
Drilling Company and Driller		Driller's C-57

Delta Project | Surface Elevation | Casing Elevation

Depth	Casing Size and Type	Annulus Filler	Sample ID	Sample Driven (in)	Sample Recovered	Blow Count	PID readings	USCS	Depth	Visual Discription	Comments
23	0.020	-						SW	23	WELL GRADED SAND; FINE TO MEDIUM GRAINED SAND; LOOSE; SATURATED (SW)	STRONG VOC; HC ODOR
24		#3						CH	24	FAT CLAY; GRAY, STIFF, PLASTIC, MOIST; (CH)	STRONG HC ODOR
25							140 ppm		25		
26									26	BORING TERMINATED	

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

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	VP-1
JOB/SITE NAME	9-0260	**DRILLING STARTED**	31-Jul-03
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	31-Jul-03
PROJECT NUMBER	31D 1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
	9/10/13	VP-1- 3.5		5	ML		**Clayey SILT**:Dark brown; dry; stiff; 90% silt, 10% clay; low plasticity; low estimated permeability. Vacuum cleared to 8 fbg.	7.0	Portland Type I/II; Monterey Sand #2/16
	6/13/18	VP-1- 8.5		10	ML		**Clayey SILT**:Dark brown; dry; stiff; 60% silt, 40% clay; moderate to low plasticity; low estimated permeability.	11.0	Portland Type I/II; Monterey Sand #2/16
6	5/5/6	VP-1- 12.5			CL ML		**Silty CLAY**:Gray-brown; dry; very stiff; 80% clay, 20% silt; moderate to high plasticity; low estimated permeability.	13.5	Portland Type I/II; Monterey Sand #2/16; Bottom of Boring @ 13.5 fbg

WELL LOG (PID) I:\9-0260 HAYWARD\GINT\9-0260.GPJ DEFAULT.GDT 3/10/04

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

BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	VP-2
JOB/SITE NAME	9-0260	**DRILLING STARTED**	31-Jul-03
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	31-Jul-03
PROJECT NUMBER	31D 1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					ML		**Clayey SILT**:Medium brown; dry; stiff; 90% silt, 10% clay; low plasticity; low estimated permeability.		Portland Type I/II
	3/10/12	VP-2- 3.5					Vacuum cleared to 8 fbg.		Monterey Sand #2/16
				5				5.0	
					ML		**Clayey SILT**:Medium brown; dry; stiff; 80% silt, 20% clay; low plasticity; moderate to low estimated permeability.		Portland Type I/II
	4/8/11	VP-2- 8.5							Monterey Sand #2/16
				10				10.0	
					ML		**Clayey SILT**:Light brown; dry; stiff; 85% silt, 15% clay; low plasticity; low estimated permeability.		Portland Type I/II
0	11/20/28	VP-2- 12.5						13.5	Monterey Sand #2/16
									Bottom of Boring @ 13.5 fbg

WELL LOG (PID) I:\9-0260 HAYWARD\GINT\9-0260.GPJ DEFAULT.GDT 3/10/04

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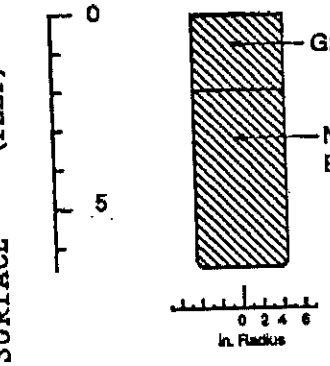
BORING/WELL LOG

CLIENT NAME	Chevron Products Company	**BORING/WELL NAME**	VP-3
JOB/SITE NAME	9-0260	**DRILLING STARTED**	31-Jul-03
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	31-Jul-03
PROJECT NUMBER	31D 1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVAL**	NA
LOGGED BY	Sarah Owen	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	B. Foss, RG# 7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Water not encountered.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					SM		**Sandy SILT**:Medium brown; dry; loose; 90% silt, 10% sand; high estimated permeability.	1.0	Portland Type I/II
							Clayey SILT:Dark brown; dry; stiff; 80% silt, 20% clay; low plasticity; moderate to low estimated permeability.		
	6/11/14	VP-3- 3.5					Vacuum cleared to 8 fbg.		Monterey Sand #2/16
				5	ML				Portland Type I/II
								8.0	
							Clayey SILT:Light brown; dry; stiff; 85% silt, 15% clay; low plasticity; low estimated permeability.		Monterey Sand #2/16
	7/12/18	VP-3-10.5		10	ML				Portland Type I/II
	6/10/15	VP-3-12.5						13.5	Monterey Sand #2/16
									Bottom of Boring @ 13.5 fbg

WELL LOG (PID) I:\9-0260 HAYWARD\GINT\9-0260.GPJ DEFAULT.GDT 3/10/04

BORING B-6



DEPTH BELOW GROUND SURFACE (FEET)

OVA (ppmw)	GRAPHIC LOG	DESCRIPTION
0		Concrete
1000+		Gravelly CLAY (CL); orange-brown, mottled gray; medium stiff; damp; 30% pebbles to 1/2 in; 10-20% sand; low est K; moderate hydrocarbon odor [fill]
1000+		Sandy CLAY (CL); gray, olive-brown; medium stiff; damp; 30% fine sand; low est K; very strong hydrocarbon odor [fill?]
5 300		Silty CLAY (CL); dark brown-black, mottled blue-gray; medium stiff; damp; 20-30% silt; low est K; moderate to strong hydrocarbon odor; [fill?] (Hole abandoned, hit object)

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

K = Estimated Permeability (hydraulic conductivity)

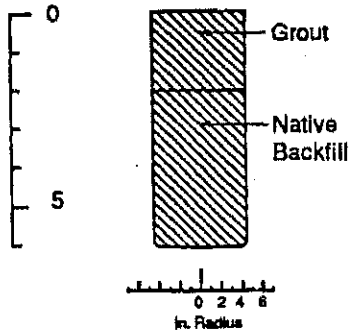
Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager
Drilling Method: Hollow stem auger
Dates Drilled: 1-21-88
Well Head Completion: None
Type of sampler: Split barrel

Boring Log B-6

Chevron Facility #0260
Hayward, CA

BORING B-8

DEPTH BELOW GROUND SURFACE (FEET)



OVA (ppmv)	GRAPHIC LOG	DESCRIPTION
0		Concrete
70		Gravelly CLAY (CL); orange-brown, mottled gray; stiff; damp; 30% pebbles to 1/4 in; 10-20% very fine sand; low est K; moderate hydrocarbon odor [fill?] <5% pebbles at 2 ft
5		Silty CLAY (CL); black, mottled gray-olive; medium stiff; damp; 20% silt; low est K; moderate hydrocarbon odor [fill?] (Hole abandoned, hit object)

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

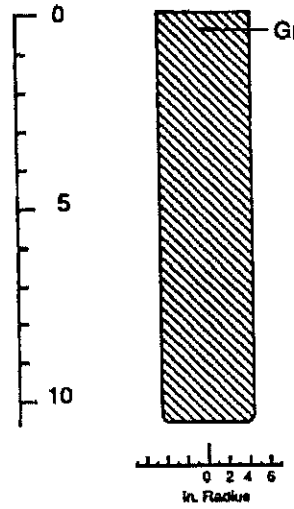
K = Estimated Permeability (hydraulic conductivity)

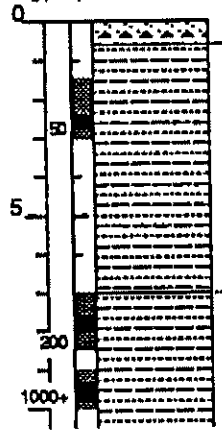
Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager
Drilling Method: Hollow stem auger
Dates Drilled: 1-21-88
Well Head Completion: None
Type of sampler: Split barrel

Boring Log B-8

Chevron Facility #0260
Hayward, CA

BORING B-9





GRAPHIC LOG

DESCRIPTION

Concrete

Silty CLAY (CL); olive-brown; medium stiff; damp; 30% silt; 10% pebbles to 1/4 in; low est K; slight hydrocarbon odor
Becomes black; <5% pebbles at 2 ft

Contact (driller, cuttings)

Silty CLAY (CL); olive-brown, mottled blue-gray; very stiff; damp; 20% silt; low est K; <5% roots; moderate hydrocarbon odor
Becomes olive-brown to yellow-brown; blocky texture at 8 ft
Minor caliche; very strong hydrocarbon odor at 9 ft

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

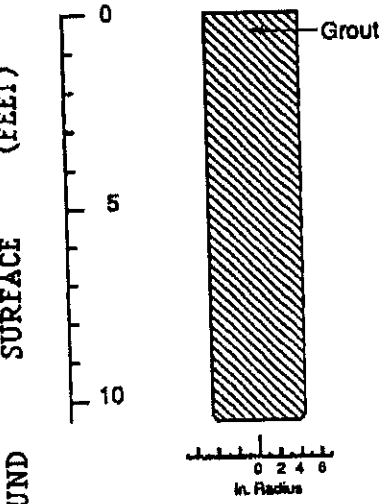
K = Estimated Permeability (hydraulic conductivity)

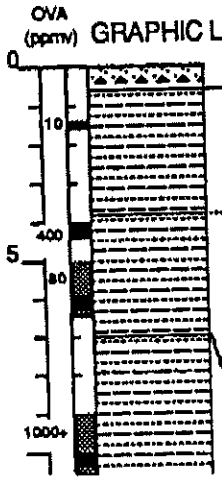
Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc
Driller: Dave Yeager
Drilling Method: Hollow stem auger
Dates Drilled: 1-22-88
Well Head Completion: None
Type of sampler: Split barrel

Boring Log B-9

Chevron Facility #0260
Hayward, CA

BORING B-10





GRAPHIC LOG

DESCRIPTION

Concrete

Silty CLAY (CL); brown, mottled orange, yellow-gray; medium stiff; damp; 40% silt; 10% pebbles to 1/4 in; low est K; minor debris, small nail, concrete; [fill]

Silty CLAY (CL); black; soft to medium stiff; damp; 30% silt; low est K; slight hydrocarbon odor

Becomes orange-brown, mottled blue-gray; minor rootlets at 5 ft

Contact (driller)

Silty CLAY (CL); olive, mottled orange-brown; stiff to very stiff; damp; 30% silt; 10% pebbles to 1/2 in; low est K; slight blocky texture; strong hydrocarbon odor

EXPLANATION

- Water level during drilling (date)
- Water Level (date)
- Contact (dotted where approx.)
- Uncertain Contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Grab sample

K = Estimated Permeability (hydraulic conductivity)

Logged by: Todd Daniels
Supervisor: Richard Weiss; EG 1112
Drilling Company: Exploration Geoservices, Inc.
Driller: Dave Yeager
Drilling Method: Hollow stem auger
Dates Drilled: 1-22-88
Well Head Completion: None
Type of sampler: Split barrel

Boring Log B-10

Chevron Facility #026
Hayward, CA

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-11
JOB/SITE NAME	9-0260	**DRILLING STARTED**	20-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	20-Sep-05
PROJECT NUMBER	311915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Charlotte Evans	**DEPTH TO WATER (First Encountered)**	13.0 ft ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							FILL: Dirt and Gravel	1.0	
8		SB-11@4		5	SP		**SAND:** Brown; fine sand; damp. @ 3 fbg change in color to Dark Brown to black, coarse sand @ 4 fbg rocks	7.0	
				10	ML		**Sandy SILT:** Dark Brown; fine sand; damp; low estimated plasticity.	11.0	
261		SB-11@11 SB-11@13.5		15	ML		**SILT with gravel:** Dark Brown; damp; medium estimated plasticity. @ 13 fbg wet ▽	15.0	
					SP		**SAND with gravel:** Light Brown; coarse sand; well-rounded gravel; wet. @ 17fbg change in color to Dark Grey. @ 18 fbg change in color to Grey/Brown, damp. @ 19 fbg change in color to Light Brown	20.0	◄ Portland Type I/II
				20	GP		**GRAVEL with sand:** Light Brown; wet.	21.0	
					SP		**SAND with gravel:** Light Brown; wet.	22.0	
					GP		**GRAVEL with sand:** Light Brown; wet.	23.0	
					SP		**SAND with gravel:** Light Brown; wet.	24.0	
					GP		**GRAVEL with sand:** Light Brown; we.	25.0	
				25	SP		**SAND with gravel:** Light Brown; wet.	27.0	
		SB-11@27.5			CL		**CLAY:** Light Brown; dry; high estimated plasticity.	28.0	
					SP		**SAND with gravel:** Grey Brown; wet; coarse sand.	29.0	
					GP		**GRAVEL with sand:** Brown; angular gravel; wet; low estimated plasticity.	30.0	
				30	SP		**SAND with silt and gravel:** Brown; wet.	31.5	
					CL		**CLAY:** Light Brown; wet; high estimated plasticity.	34.0	

WELL LOG (PID) I:\CHEVRON\3119--311915--1315C38--1311915-BORING LOGS.GPJ DEFAULT.GDT 2/5/10

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

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05
PROJECT NUMBER	311915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Bill DeBoer	**DEPTH TO WATER (First Encountered)**	16.0 ft ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							FILL: Dirt and Gravel	2.0	
					SP		**SAND:** Dark Grey to Black; fine sand; damp.	5.0	
		SB-12 @ 5		5			**No Recovery**		
				10				11.0	
					SP		**SAND:** Black; fine sand; damp.	12.0	
							No Recovery	15.0	
		SB-12@16		15	SM		**Sandy SILT:** Dark Grey; fine sand; wet; medium estimated plasticity. ▽	16.0	
							No Recovery		
				20					
				25					
				30					
				35					Portland Type I/II

WELL LOG (PID) I:\CHEVRON\3119--\311915--\1315C38--1311915-BORING LOGS.GPJ DEFAULT.GDT 2/5/10

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Telephone: 510-420-0700
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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				40				42.0	Bottom of Boring @ 42 ft

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5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-13
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05
PROJECT NUMBER	311915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Bill DeBoer	**DEPTH TO WATER (First Encountered)**	13.0 ft ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							FILL: Dirt and Gravel	1.0	
					SM		**Silty SAND:** Dark Brown; fine sand; rounded gravel up to 0.5".	4.0	
					SP		**SAND with gravel:** Dark Brown.	5.0	
22		SB-13@5		5	CL		**Sandy CLAY with gravel:** Dark Brown; damp; medium estimated plasticity.	7.0	
							Silty SAND: Dark Brown; damp.		
				10	SM		**SAND with silt and gravel:** Dark Brown; damp; gravel up to 0.25" diameter.		
							@ 13 fbg wet ▽		
19		SB-13@15		15	SP		**SAND with gravel:** Light Brown; wet.	15.0	
							No Recovery	16.0	
				20					
				25					Portland Type I/II
				30					
				35					

WELL LOG (PID) I:\CHEVRON\3119--\311915~1\315C36~1\311915-BORING LOGS.GPJ DEFAULT.GDT 2/5/10

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Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-13
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
				40					
				45					
				50				50.0	Bottom of Boring @ 50 ft

WELL LOG (PID) I:\CHEVRON\3119--\311915-\1\315C38-1\311915-BORING LOGS.GPJ DEFAULT.GDT 2/5/10

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Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-14
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05
PROJECT NUMBER	31H-1915	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Bill DeBoer	**DEPTH TO WATER (First Encountered)**	14.50 fbg ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							FILL Dirt and Gravel	1.0	
					SP		**Silty SAND with Gravel:** Dark Brown; damp; 60% sand, 20% gravel, 20% silt; medium plasticity, medium estimated permeability.		
0		SB-14 @5		5	SP		**Silty SAND with Gravel:** Dark Brown; damp; 60% silt, 30% sand, 10% clay; medium plasticity, medium estimated permeability.	5.0	
					GP		**Sandy GRAVEL with mica:** Brown; damp; 40% gravel, 40% sand, 10% silt, 10 clay; low plasticity, low estimated permeability.	6.0	
1.1					SP		**SAND with Gravel:** Dark Brown; damp; 70% fine-grained sand, 20% silt, 10% gravel; glass fragments found suggest backfill; low plasticity, high estimated permeability.	7.0	
				10					
					SP		**Silty SAND:** Dark Brown; damp; 80% sand, 20% silt; low plasticity, high estimated permeability.	10.5	
					SP		▽	14.5	
				15	SP		**Mature SAND:** Brown; wet; 100% sand; low plasticity, high estimated permeability.	15.5	
0		SB-14 @16					**No Recovery**		
		SB-14 @20							
				20					

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WELL LOG (PID) I:\CHEVRON\3119-\311915-1311915-11GINT\9-0260.GPJ DEFAULT.GDT 7/8/09

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Telephone: 510-420-0700
Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB-14
JOB/SITE NAME	9-0260	**DRILLING STARTED**	21-Sep-05
LOCATION	21995 Foothill Boulevard, Hayward	**DRILLING COMPLETED**	21-Sep-05

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		SB-14 @30		25, 30, 35, 40				42.0	Portland Type I/II; Bottom of Boring @ 42 fbg
		SB-14 @42							

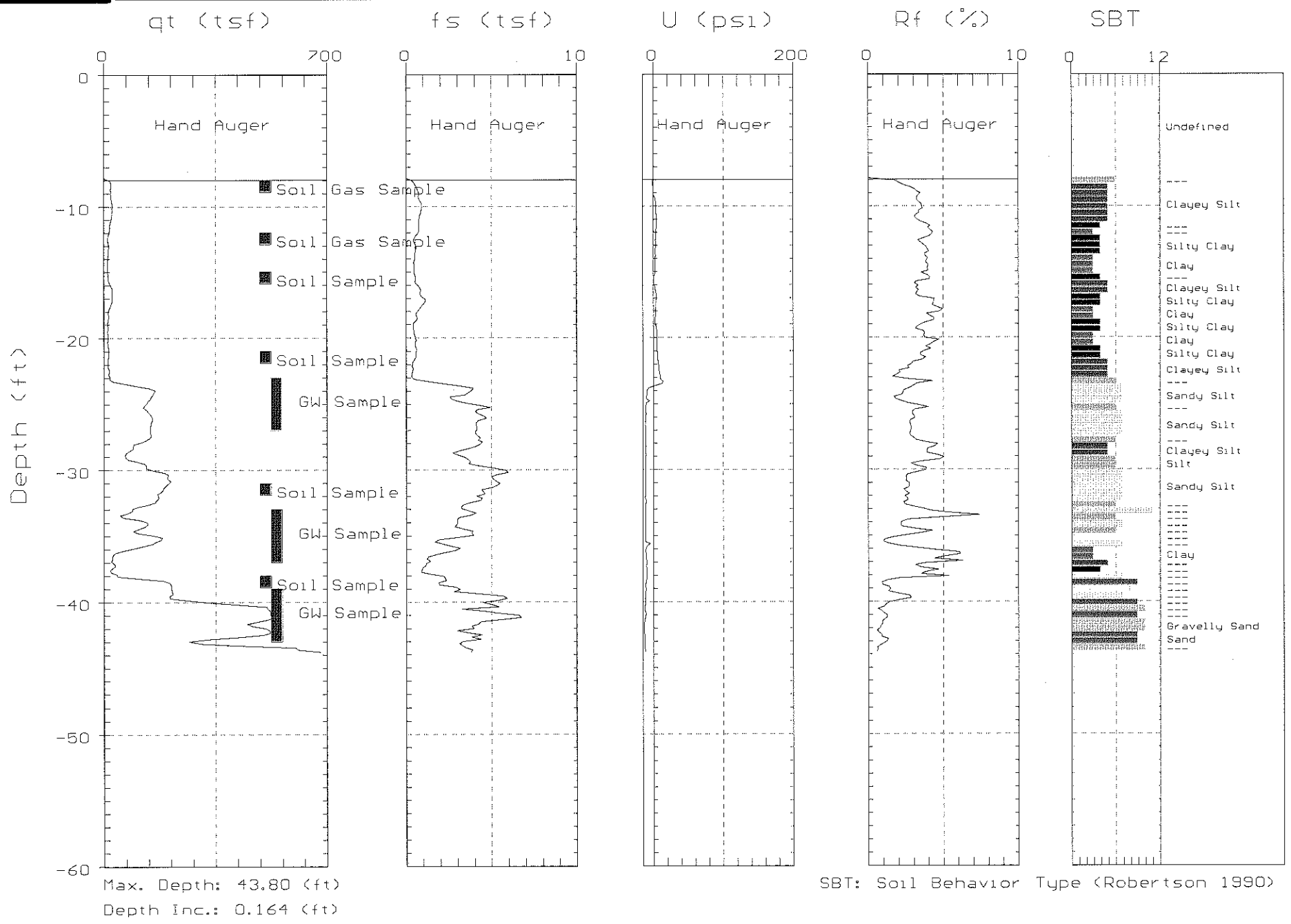
WELL LOG (PID) I:\CHEVRON\3119-\311915-1\311915-1\GINT\9-0260.GPJ DEFAULT.GDT 7/8/09

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-01

Engineer: C.EVANS
Date: 06:13:05 09:55



Max. Depth: 43.80 (ft)
Depth Inc.: 0.164 (ft)

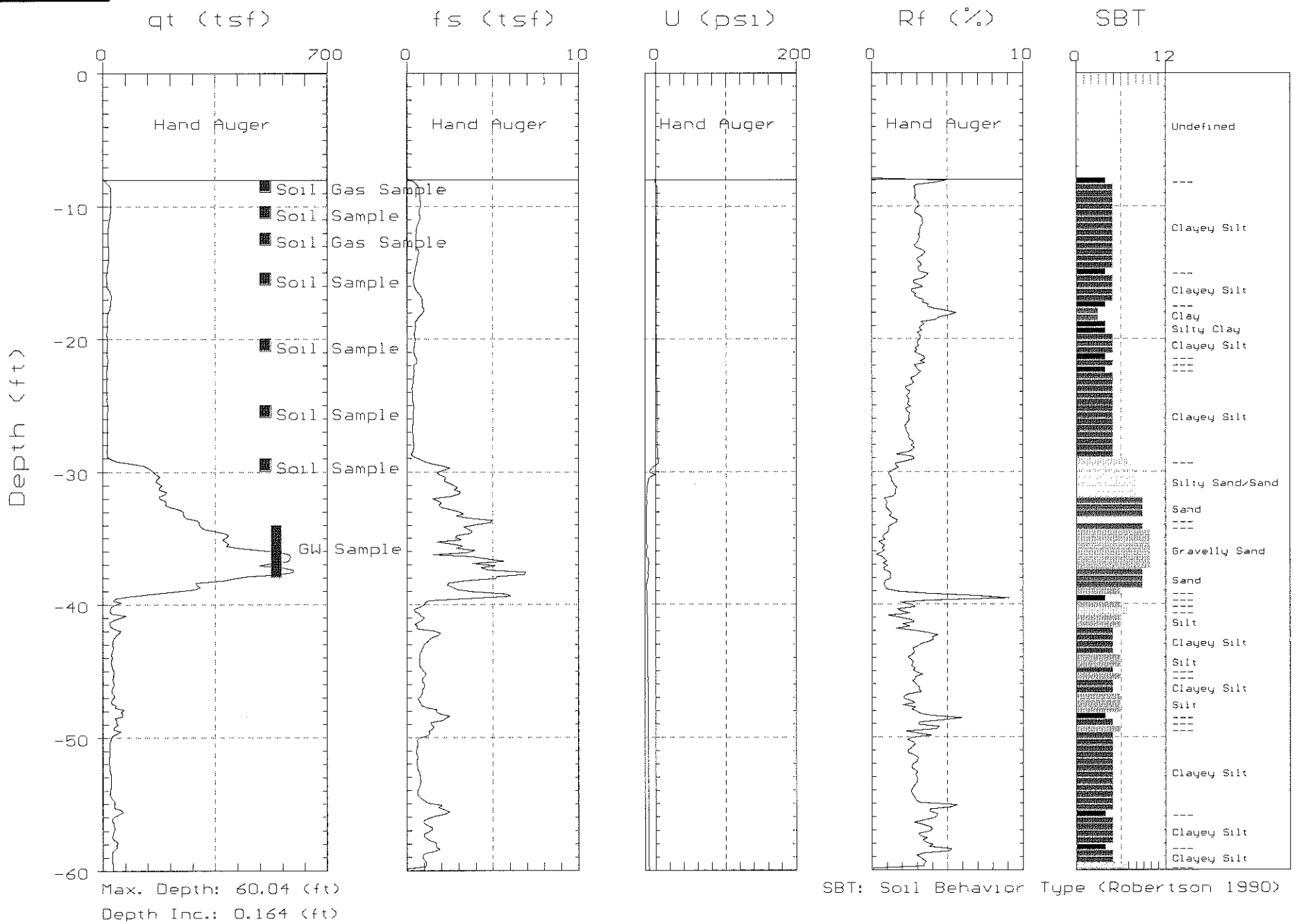
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-02

Engineer: C.EVANS
Date: 06:17:05 08:54



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

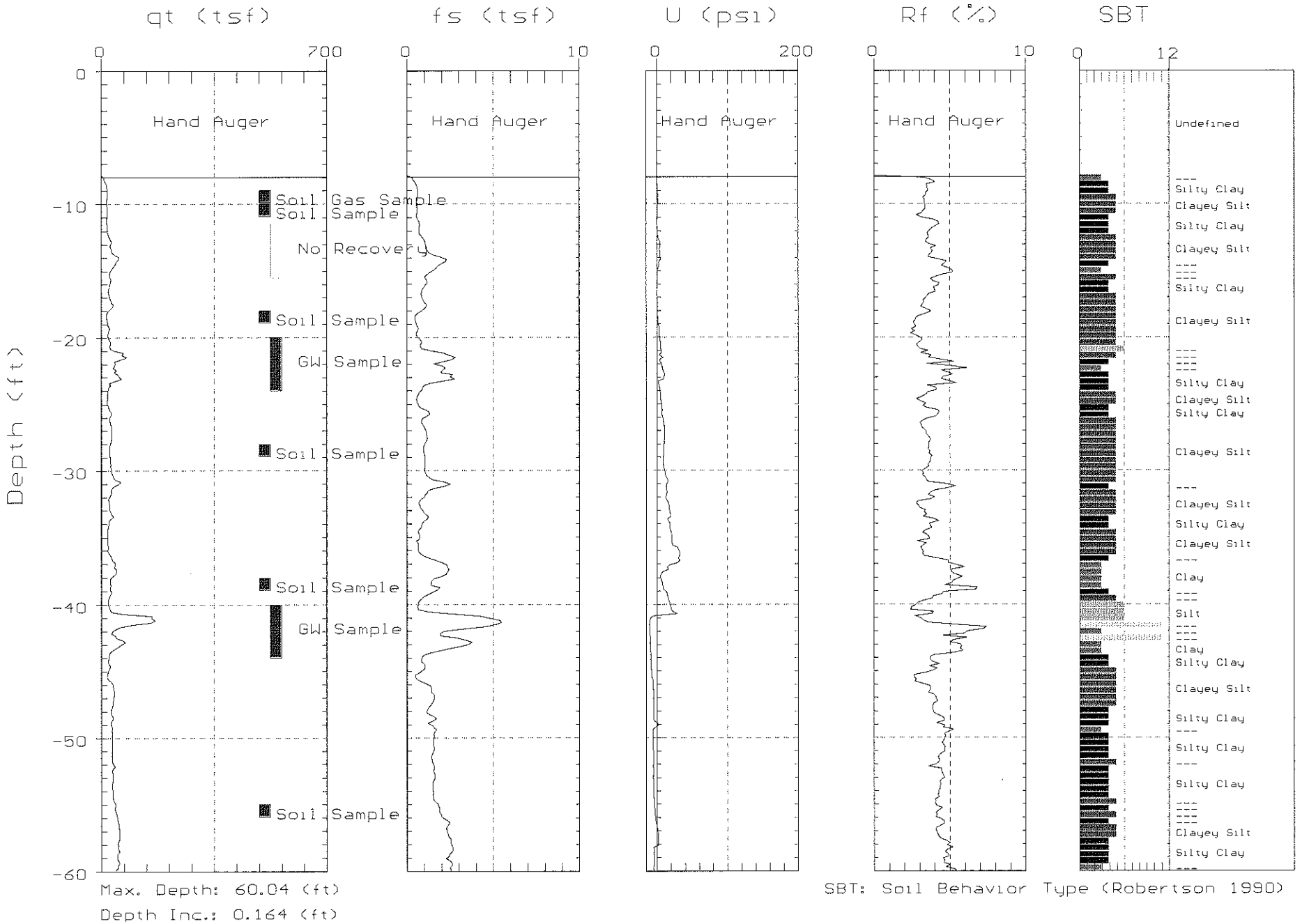
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-03

Engineer: C.EVANS
Date: 06:14:05 10:01

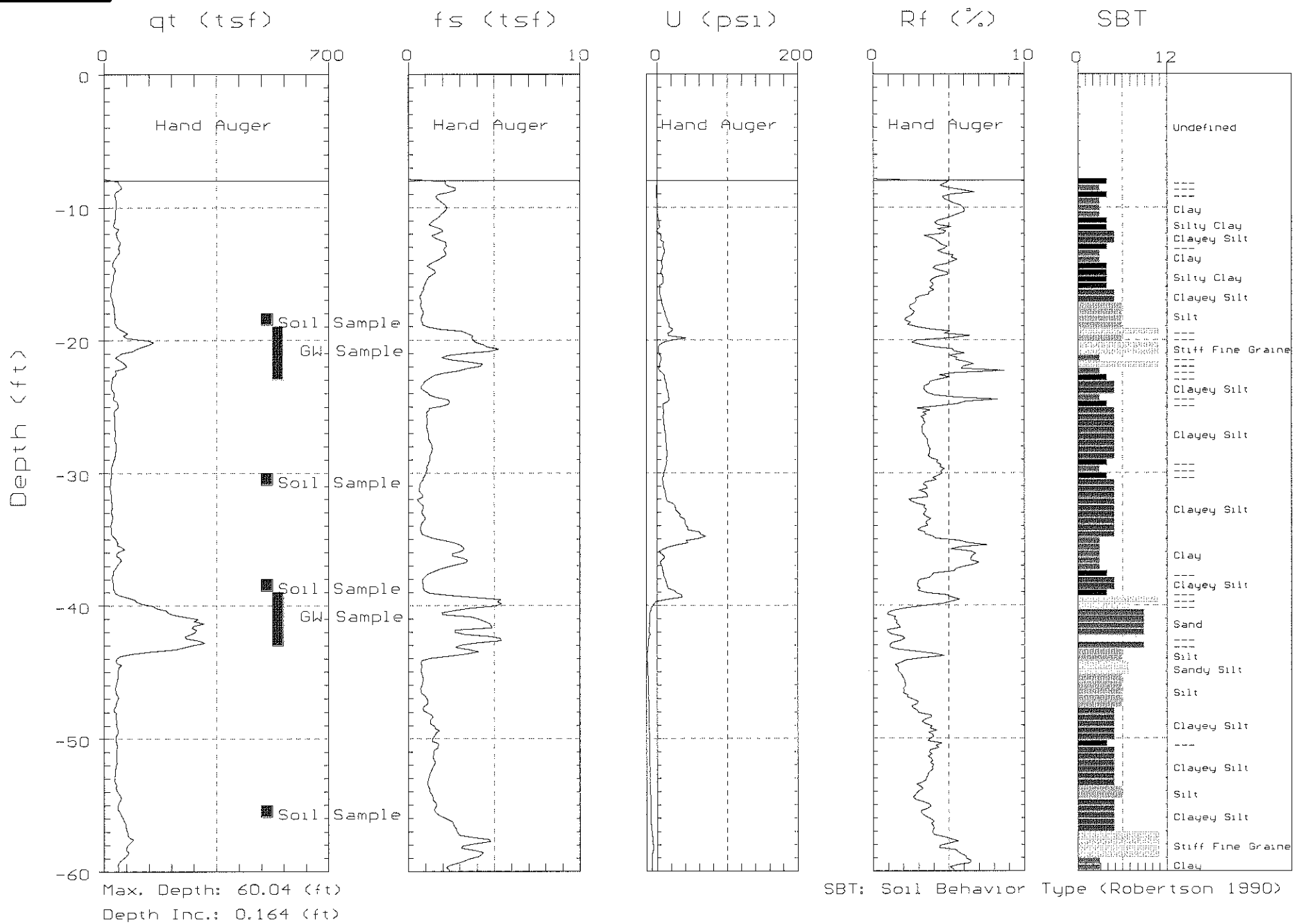


GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-04

Engineer: C.EVANS
Date: 06:14:05 14:59



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

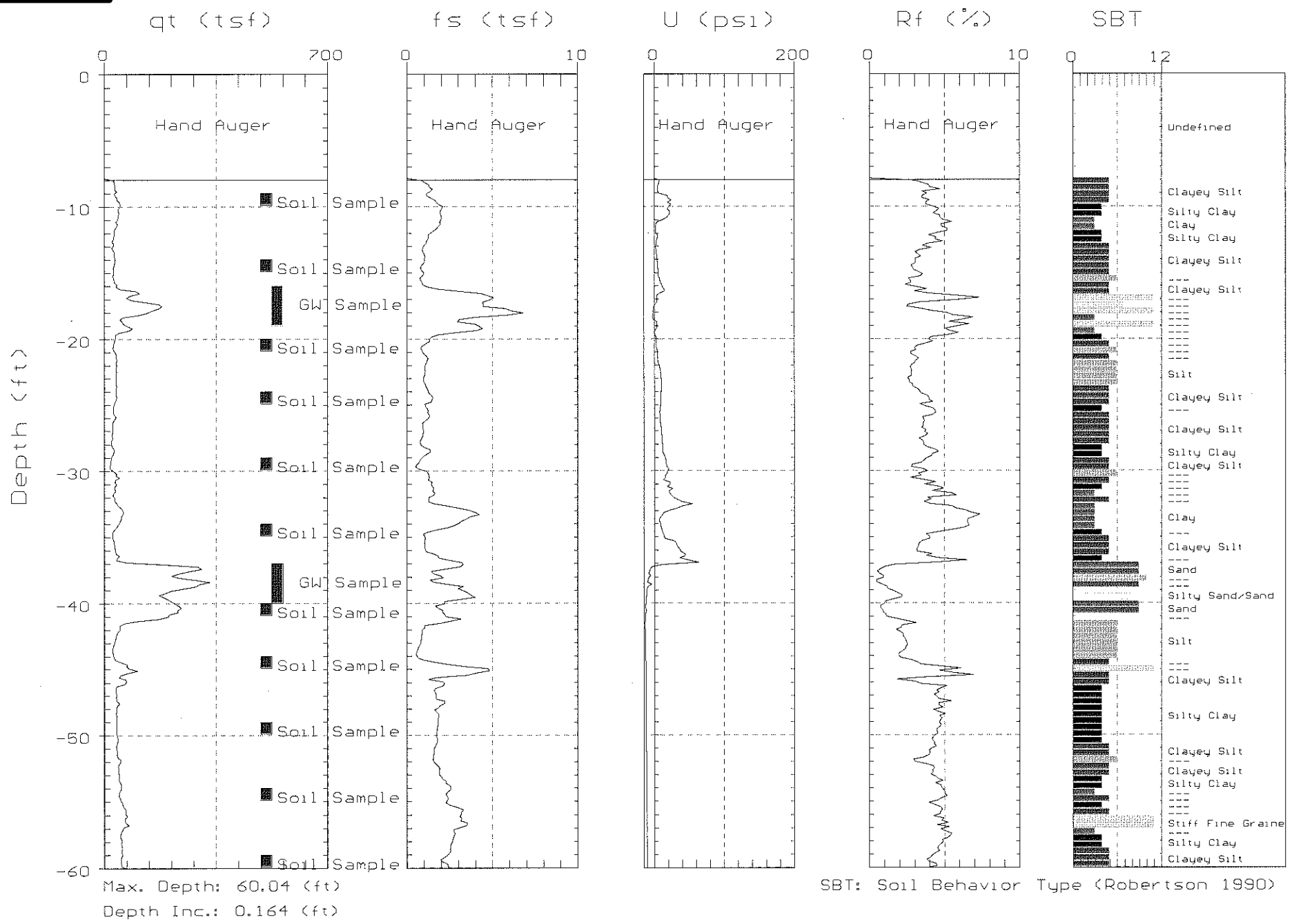
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-05

Engineer: C.EVANS
Date: 06:16:05 08:30



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

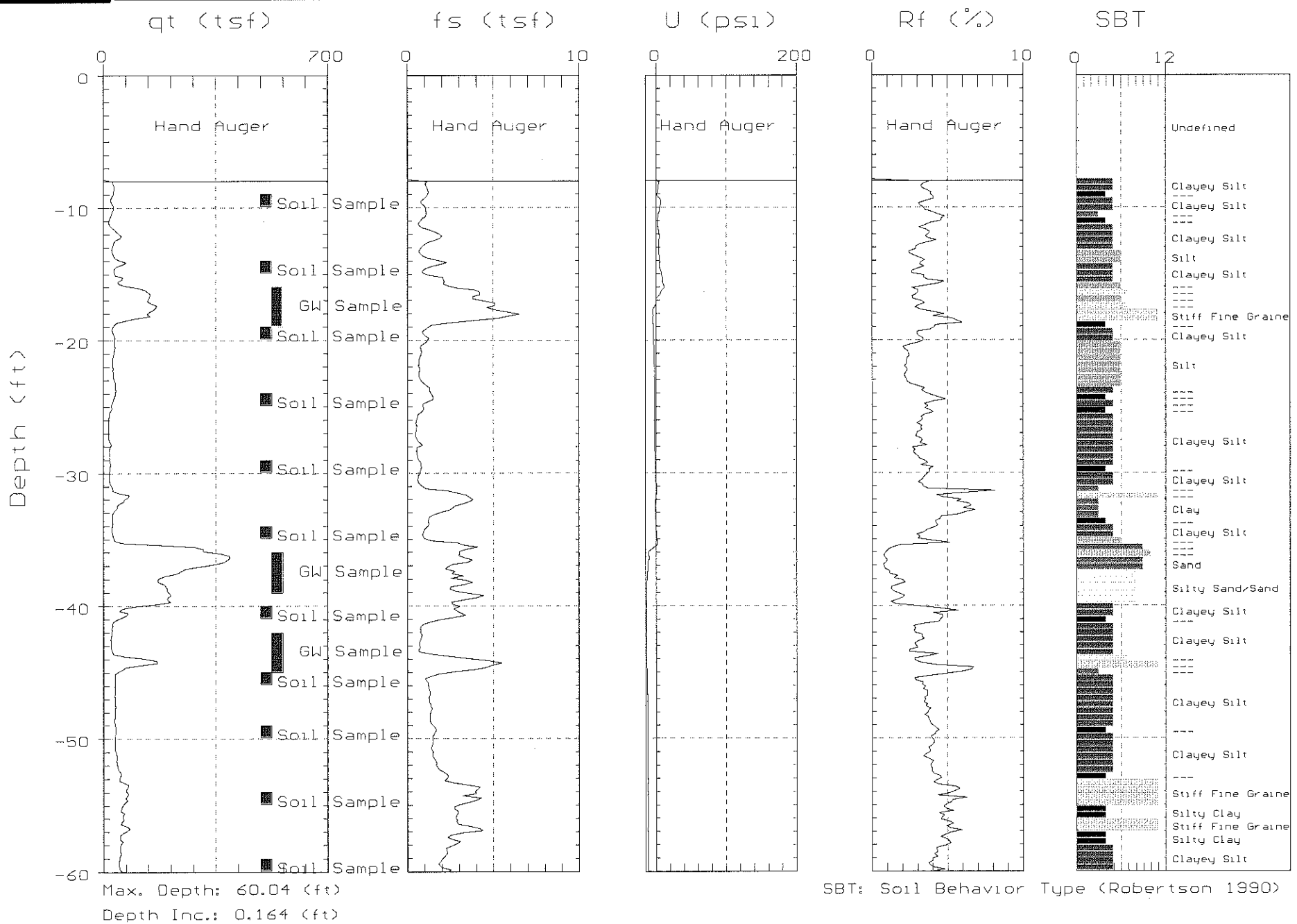
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-06

Engineer: C.EVANS
Date: 06:16:05 12:55



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

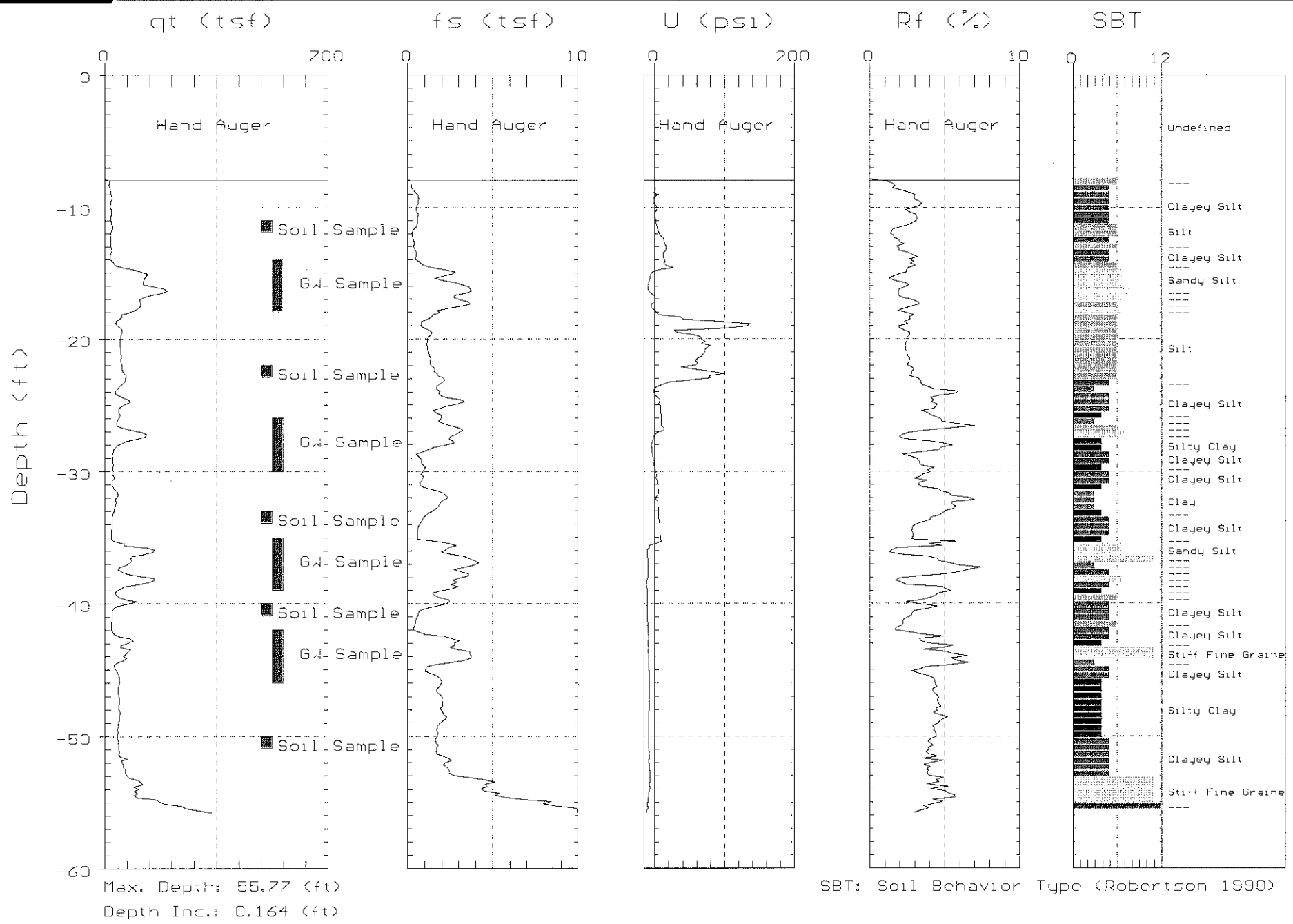
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA ENV.

Site: 9-0260 CHEVRON
Location: CPT-07

Engineer: C.EVANS
Date: 06:15:05 10:58



Max. Depth: 55.77 (ft)
Depth Inc.: 0.164 (ft)

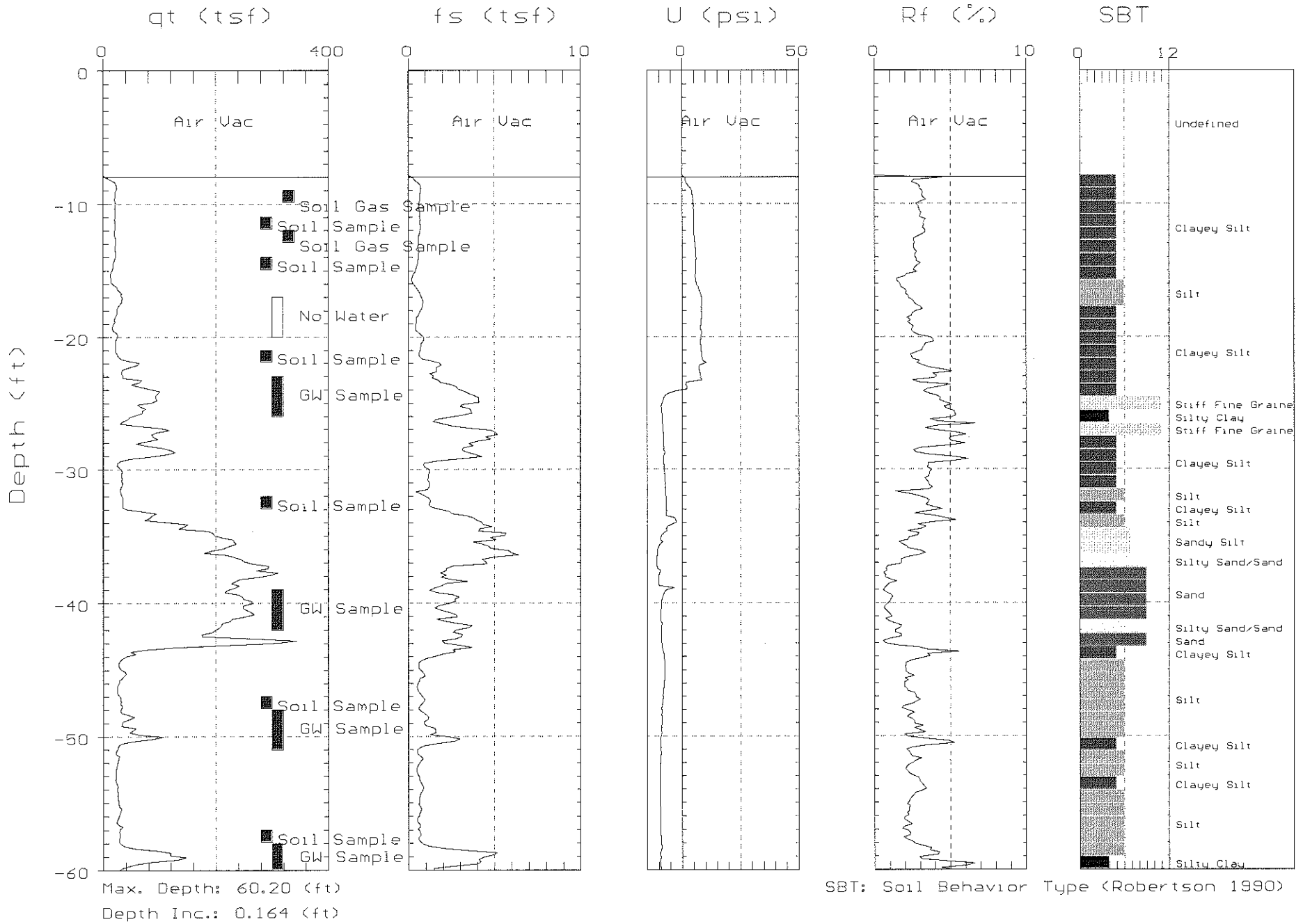
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON #9-0260
Location: CPT-08

Engineer: C.EVANS
Date: 08:15:05 12:30



Max. Depth: 60.20 (ft)
Depth Inc.: 0.164 (ft)

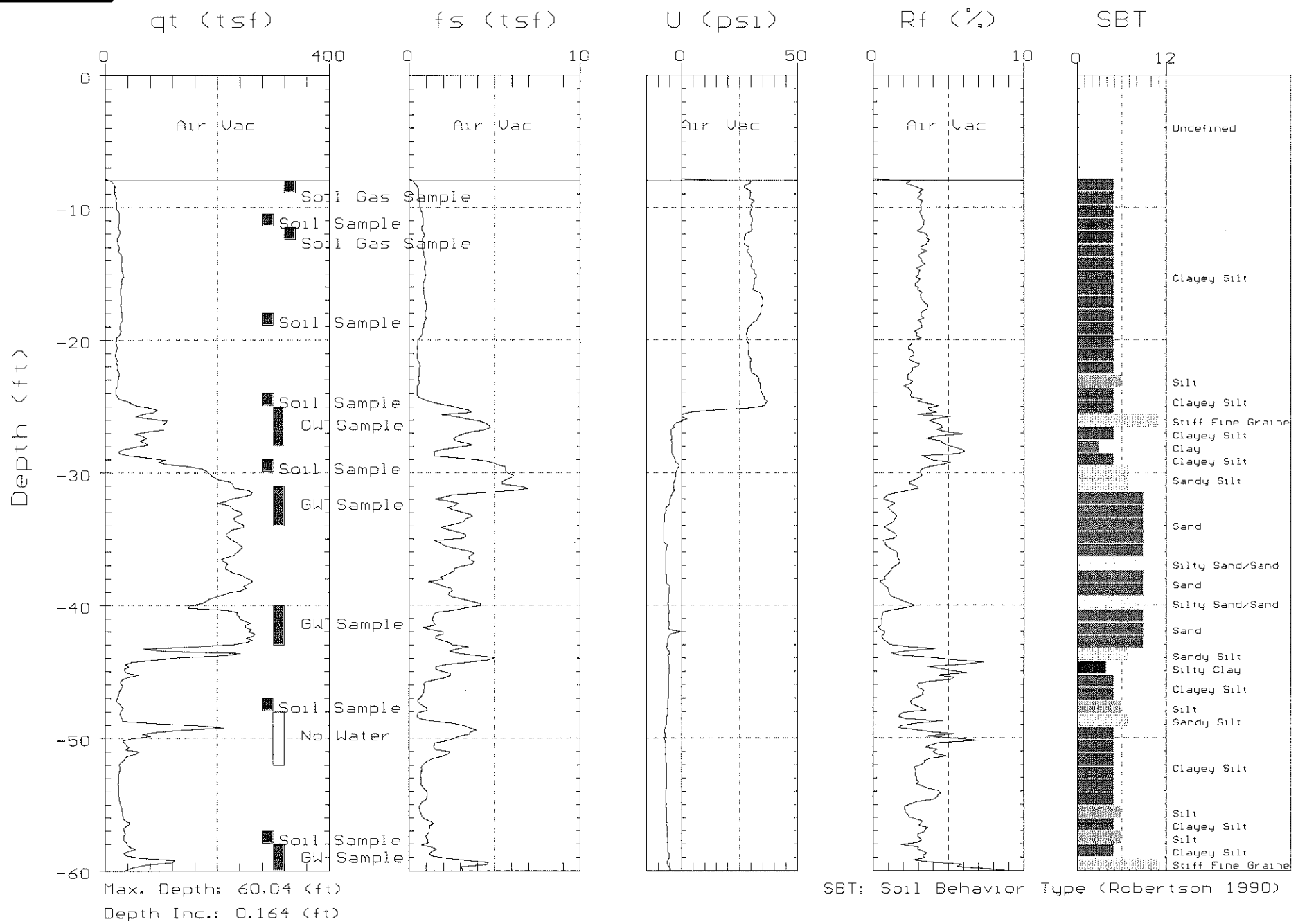
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON #9-0260
Location: CPT-09

Engineer: C.EVANS
Date: 08:16:05 11:47



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

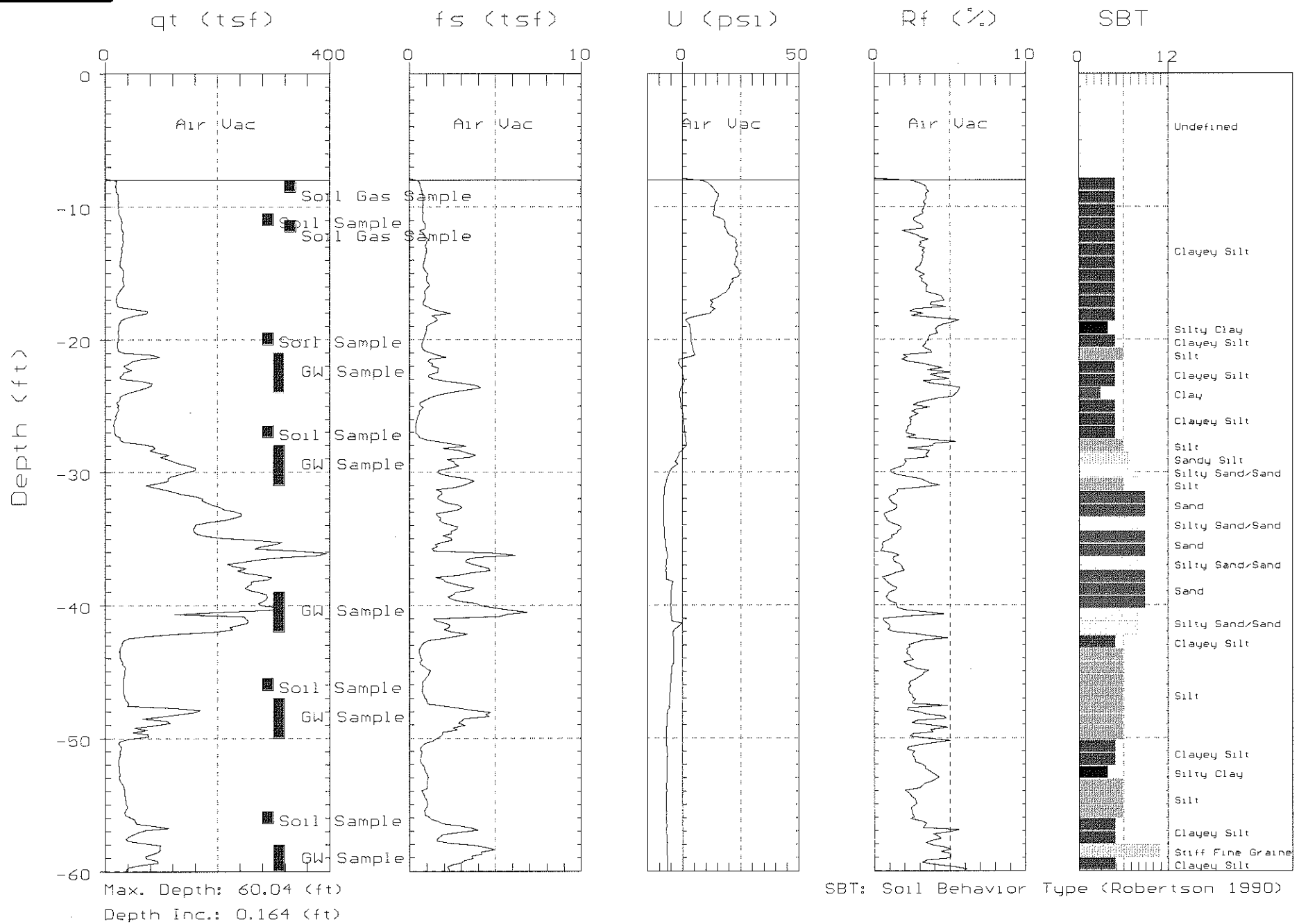
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: CHEVRON #9-0260
Location: CPT-10

Engineer: C.EVANS
Date: 08:17:05 12:22



Max. Depth: 60.04 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX D

SECOND QUARTER 2012 GROUNDWATER MONITORING AND SAMPLING DATA

BLAINE™
TECH SERVICES

July 9, 2012

Chevron Environmental Management Company
Catalina Devine
6111 Bollinger Canyon Rd.
San Ramon, CA 94583

Second Quarter 2012 Monitoring at
Chevron Service Station 90260
21995 Foothill Blvd
Hayward, CA

Monitoring performed on June 21, 2012

Blaine Tech Services, Inc. Groundwater Monitoring Event 120621-PH1

This submission covers the routine monitoring of groundwater wells conducted on June 21, 2012 at this location. Seventeen monitoring wells were measured for depth to groundwater (DTW). Sixteen monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO
1680 ROGERS AVENUE SAN JOSE, CA 95112-1105 (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

Samples were delivered under chain-of-custody to Lancaster Laboratories of Lancaster, Pennsylvania, for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to IWM facilities of San Jose, California.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,

Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

attachments: SOP
Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody
Wellhead Inspection Form
Bill of Lading
Calibration Log

cc: CRA
Attn: Nathan Lee
5900 Hollis St. Suite A
Emeryville, CA 94608

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO
1680 ROGERS AVENUE SAN JOSE, CA 95112-1105 (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT CHEVRON SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Chevron comply with Chevron's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Chevron site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. GeoTech). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be

evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed approximately 2 hours to recharge prior to sampling or will be sampled at site departure. All wells requiring off-site traffic control in the public right-of-way, the 80% recharge rule may be disregarded in the interests of Health and Safety. The sample may be collected as soon as there is sufficient water. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Duplicate sample is collected, typically from the well containing the most measurable contaminants. The Duplicate sample is labeled the same as the original.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 550) or HACH field test kits.

The YSI meters are able to collect accurate in-situ readings. The probe allows downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe is lowered into the water column and the reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

WELL GAUGING DATA

Project # 120621-PH1 Date 6/21/12 Client CHEVRON

Site 21995 Foothill Blvd, Hayward

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-4	0847	4	~~odor~~	—			13.12	22.13		
MW-5	0853	4	~~odor~~	—			11.69	26.18		
MW-6	0830	4					12.68	14.76		
MW-7	0817	4					12.23	16.44		
MW-8	0847	4					12.05	17.80		
MW-9	0843	4					12.84	17.35		
MW-11	0858	4		—			11.79	26.93		
MW-12	0833	4		—			11.87	26.20		
MW-13	0857	4					11.66	17.70		
MW-14	~~—~~	~~2~~	unable to Access - Parked ~~over~~					~~32.75~~		
MW-15	~~0820~~	—	unable to Access - Parked over				—	—		
MW-16	0820	2					18.48	32.42		
MW-17	0827	2					22.52	32.70		
MW-18	0855	2					15.10	22.75		
MW-19	0823	2	~~odor~~				12.59	44.63		
P-1	0836	1					8.62	20.17		
DVE-9	0835	4					12.25	27.09		

WELL GAUGING DATA

Project # 120621-PH1 Date 6/21/12 Client Chevron

Site 21995 Foothill Blvd, Hayward

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
DVE-12	0850	4	odor				11.67	27.40	↓	
DVE-20	0843	4	odor				11.99	27.03	↓	

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 64.5°F
Well I.D.: MW — 4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.13	Depth to Water: 13.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.92	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

5.9 (Gals.) X 3 = 17.7 Gals.

1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1323	64.5	7.15	1146	243	5.9	
WELL DEWATERED @ 5.9 GALS						
1440	64.2	7.34	1124	167	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5.9

Sampling Date: 6/21/12 Sampling Time: 1440 Depth to Water: 13.47

Sample I.D.: MW — 4 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	0.63 mg/L	Post-purge:	0.32 mg/L
O.R.P. (if req'd):	Pre-purge:	-22 mV	Post-purge:	-18 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 62.2°F
Well I.D.: MW – 5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 26.18	Depth to Water: 11.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.59	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

9.4 (Gals.) X 3 = 29.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1347	64.9	7.70	1251	90	9.4	odor
WELL DEWATERED @ 14 GALS						
1520	63.4	6.99	1247	36	—	

Did well dewater? (Yes) No Gallons actually evacuated: 14

Sampling Date: 6/21/12 Sampling Time: 1520 Depth to Water: 12.06

Sample I.D.: MW –5 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	0.59 mg/L	Post-purge:	0.59 mg/L
O.R.P. (if req'd):	Pre-purge:	–39 mV	Post-purge:	–67 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 62.4°F
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.76	Depth to Water: 12.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.10	

Purge Method:

Bailer / ~~Disposable Bailer~~ / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer

(Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: _____

1.4 (Gals.) X 3 = 4.2 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1137	63.3	6.96	1362	35	1.4	
WELL	DEWATERED	@ 1.4	GALS			
					—	
1440	62.6	7.6	1100	325	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.4

Sampling Date: 6/21/12 Sampling Time: 1440 Depth to Water: 13.20 (22 hrs)

Sample I.D.: MW-6 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.52 mg/L	Post-purge:	0.71	mg/L
O.R.P. (if req'd):	(Pre-purge):	-74 mV	Post-purge:	-85	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 61.2 °F
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 16.44	Depth to Water: 12.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.07	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- ~~Electric Submersible~~
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

2.7 (Gals.) X 3 = 8.1 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1013	61.4	7.65	1220	138	2.7	odor
WELL	DEWATERED @ 2.7 GALS					
1400	63.9	7.21	1296	241	—	

Did well dewater? (Yes) No Gallons actually evacuated: 2.7

Sampling Date: 6/21/12 Sampling Time: 1400 Depth to Water: 12.33

Sample I.D.: MW-7 Laboratory: (Lancaster) Other ___

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	0.95 mg/L	Post-purge:	0.68 mg/L
O.R.P. (if req'd):	Pre-purge:	-79 mV	Post-purge:	-78 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 17.80	Depth to Water: 12.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.20	

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Positive Air Displacement	Extraction Pump	
(Electric Submersible)	Other_____	

Sampling Method: Bailer

(Disposable Bailer)

Extraction Port

Dedicated Tubing

Other: _____

3.7 (Gals.) X 3 = 11.2 Gals.

1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1024	63.2	6.8	1075	32	4	clear/green
	—	Dewatered @	4 gallons	—		
1320	61.6	7.2	1076	34	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Date: 6/21/12 Sampling Time: 1320 Depth to Water: 12.36

Sample I.D.: MW-8 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	1.27 mg/L	Post-purge:	0.71 mg/L	
O.R.P. (if req'd):	Pre-purge:	10 mV	Post-purge:	9 mV	

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 12.35	Depth to Water: 12.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.74	

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Positive Air Displacement	Extraction Pump	
(Electric Submersible)	Other_____	

Sampling Method: Bailer

(Disposable Bailer)

Extraction Port

Dedicated Tubing

Other: _____

2.9 (Gals.) X 3 = 8.8 Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1015	61.9	6.9	995	36	3	
		—	Pumped dry @ 3 gallons		—	
1300	59.6	7.2	1004	88	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3

Sampling Date: 6/21/12 Sampling Time: 1300 Depth to Water: 13.52

Sample I.D.: MW-9 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.77	mg/L	Post-purge:	0.65	mg/L
O.R.P. (if req'd):	Pre-purge:	91	mV	Post-purge:	91	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: Cloudy	Ambient Air Temperature: 60.9°F
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 26.93	Depth to Water: 11.79
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.32	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

9.8 (Gals.) X 3 = 29.4 Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1120	63.7	6.76	1383	70	9.8	odor (gray
WELL	DEWATERED @			16.5 GALS		
					—	
1415	61.2	7.2	1346	34		

Did well dewater? (Yes) No Gallons actually evacuated: 16.5

Sampling Date: 6/21/12 Sampling Time: 1415 Depth to Water: 12.85

Sample I.D.: MW-11 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.66 mg/L	Post-purge:	0.41 mg/L	
O.R.P. (if req'd):	(Pre-purge):	-93 mV	Post-purge:	-68 mV	

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 61.1 °F
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 26.20	Depth to Water: 11.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.74	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ___

9.3 (Gals.) X 3 = 27.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1152	63.3	7.02	1269	97	9.3	
WELL DEWATERED @ 15.1 GALS						
					—	
1500	63.3	7.2	1239	172	—	

Did well dewater? (Yes) No Gallons actually evacuated: 15.1

Sampling Date: 6/21/12 Sampling Time: 1500 Depth to Water: 12.60

Sample I.D.: MW-12 Laboratory: (Lancaster) Other ___

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.51 mg/L	Post-purge:	0.57 mg/L
O.R.P. (if req'd):	Pre-purge:	-66 mV	Post-purge:	-69 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 17.70	Depth to Water: 11.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.86	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ___

3.9 (Gals.) X 3 = 11.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1040	62.6	6.6	1097	58	4	
		— Dewatered @ 4 gallons —				
1340	61.4	7.3	1132	38	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Date: 6/21/12 Sampling Time: 1340 Depth to Water: 12.37

Sample I.D.: MW-13 Laboratory: (Lancaster) Other ___

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.87	mg/L	Post-purge:	0.54	mg/L
O.R.P. (if req'd):	(Pre-purge):	4	mV	Post-purge:	68	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather:	Ambient Air Temperature: °F
Well I.D.: MW-M	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

Bailer / Waterra
Disposable Bailer / Peristaltic
Positive Air Displacement / Extraction Pump
Electric Submersible / Other ____

Sampling Method: Bailer
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Other: ____

____ (Gals.) X 3 = ____ Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
X	PARKED	OVER	ALL	DAY		
	- NO	SAMPLE	TAKEN			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6/ /12 Sampling Time: Depth to Water:

Sample I.D.: — Laboratory: (Lancaster) Other ____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-15	Well Diameter: 2 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

_____(Gals.) X 3 = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	—	unable to access - Parked over				—
		—	No Sample Taken		—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 6/ /12 Sampling Time: Depth to Water:

Sample I.D.: — Laboratory: (Lancaster) Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-16	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 37.42	Depth to Water: 18.48
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.26	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ____

3.0 (Gals.) X 3 = 9.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1057	62.9	7.0	893	>1000	3	
1102	63.8	6.6	878	>1000	6	
1106	63.5	6.6	887	>1000	92	

Did well dewater? Yes (No) Gallons actually evacuated: 9.2

Sampling Date: 6/21/12 Sampling Time: 1115 Depth to Water: 21.86

Sample I.D.: MW-16 Laboratory: (Lancaster) Other____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.64	mg/L	Post-purge:	0.44	mg/L
O.R.P. (if req'd):	Pre-purge:	-10	mV	Post-purge:	-20	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 60 °F
Well I.D.: MW-18	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.75	Depth to Water: 15.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.63	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

1.2 (Gals.) X 3 = 3.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1135	64.2	7.2	1036	>1000	1.2	clear/clean
1138	65.0	6.6	1050	>1000	2.5	
1141	65.2	6.6	1052	>1000	3.7	

Did well dewater? Yes (No) Gallons actually evacuated: 3.7

Sampling Date: 6/21/12 Sampling Time: 1150 Depth to Water: 16.27

Sample I.D.: MW-18 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.53	mg/L	Post-purge:	0.41	mg/L
O.R.P. (if req'd):	(Pre-purge):	31	mV	Post-purge:	14	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: Cloudy	Ambient Air Temperature: 61.1 °F
Well I.D.: MW — 19	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 44.63	Depth to Water: 12.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: +8 (ES) 19.00	

Purge Method:

- Bailer
- Disposable Bailer
- (Positive Air Displacement)
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ___

5.1 (Gals.) X 3 = 15.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1035	64.6	7.54	1347	>1000	5.1	odor, gray
1041	64.5	7.57	1277	>1000	10.2	odor, gray
1044	65.5	7.55	1252	870	15.3	" "

Did well dewater? Yes (No) Gallons actually evacuated: 15.3

Sampling Date: 6/21/12 Sampling Time: 1050 Depth to Water: 13.97

Sample I.D.: MW — 19 Laboratory: (Lancaster) Other ___

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	1.27 mg/L	Post-purge:	0.66 mg/L
O.R.P. (if req'd):	Pre-purge:	-40 mV	Post-purge:	-35 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: PH	Date: 6/21/12
Weather: overcast	Ambient Air Temperature: 57 °F
Well I.D.: P-1	Well Diameter: 2 3 4 6 8 (1)
Total Well Depth: 20.17	Depth to Water: 8.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.93	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- (Other) check valve + tubing

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- (Other) check valve + tubing

0.5 (Gals.) X 3 = 1.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0931	64.1	6.5	1184	>1000	0.5	
0933	64.7	6.6	1176	>1000	1.0	
0935	64.6	6.6	1172	>1000	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 6/21/12 Sampling Time: 0940 Depth to Water: 8.76

Sample I.D.: P-1 Laboratory: (Lancaster) Other

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.81	mg/L	Post-purge:	0.58	mg/L
O.R.P. (if req'd):	Pre-purge:	232	mV	Post-purge:	162	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 62.8°F
Well I.D.: DVE — 9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.04	Depth to Water: 12.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.21	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ___

9.6 (Gals.) X 3 = 28.8 Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1300	64.5	7.49	1155	47	9.6	odor
WELL	DEWATERED @		13 GALS			
					—	
1530	64.7	7.7	1130	27	—	

Did well dewater? (Yes) No Gallons actually evacuated: 13

Sampling Date: 6/21/12 Sampling Time: 1530 Depth to Water: 13.60

Sample I.D.: DVE — 9 Laboratory: (Lancaster) Other ___

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	0.71 mg/L	Post-purge:	0.35 mg/L
O.R.P. (if req'd):	Pre-purge:	-46 mV	Post-purge:	-47 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 63.1°F
Well I.D.: DUE — 12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.40	Depth to Water: 11.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.82	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

10.2 (Gals.) X 3 = 30.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1335	63.5	6.78	1344	61	10.2	odor
WELL DEWATERED @ 14.3 GALS						
1500	64.0	6.95	1284	46	—	Odor

Did well dewater? (Yes) No Gallons actually evacuated: 14.3

Sampling Date: 6/21/12 Sampling Time: 1500 Depth to Water: 12.22

Sample I.D.: DUE — 12 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	0.50 mg/L	Post-purge:	0.54 mg/L
O.R.P. (if req'd):	Pre-purge:	-29 mV	Post-purge:	-74 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 120621-PH1	Station #: 90260
Sampler: MW	Date: 6/21/12
Weather: cloudy	Ambient Air Temperature: 62.1 °F
Well I.D.: DVE — 20	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.03	Depth to Water: 11.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.00	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

1 Case Volume		Specified Volumes		Calculated Volume
9.8 (Gals.)	X	3	=	29.4 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1311	66.0	6.73	1380	53	9.8	odor
WELL DEWATERED @				@ 14.3	GALS	
1420	63.9	7.10	1267	66	—	
					—	

Did well dewater? (Yes) No Gallons actually evacuated: 14.3

Sampling Date: 6/21/12 Sampling Time: 1420 Depth to Water: 12.36

Sample I.D.: DVE —20 Laboratory: (Lancaster) Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	(Pre-purge):	0.51 mg/L	Post-purge:	0.51 mg/L
O.R.P. (if req'd):	Pre-purge:	−59 mV	Post-purge:	−88 mV

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ▪ 6111 Bollinger Canyon Rd. ▪ San Ramon, CA 94583

COC 1 of 2

Chevron Site Number: 90260

Chevron Site Global ID: T0600100315

Chevron Site Address: 21995 Foothill Blvd, Hayward, CA

Chevron PM: CATALINA DEVINE

Chevron PM Phone No.: (925)790-3949

☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: CRA

Address: 5900 Hollis St. Suite A Emeryville,

CAConsultant Contact: Nathan Lee

Consultant Phone No. 510-420-3333

Consultant Project No. 120621-PM1

Sampling Company: Blaine Tech Services

Sampled By (Print): Patrick Hernan

Sampler Signature:

Charge Code: NWRTB-0090260-0-OML
NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories
☒ Lancaster, PA
Lab Contact: Jill Parker
2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
1400	4°
1505	4°
1600	4°

ANALYSES REQUIRED

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other acct#10991 Gp#1317852 Sample# 66990092

Special Instructions: Must meet lowest detection limits possible for 8260 Compounds

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS OXYGENATES☐ HVOC☐ TPH-G☐ BTEX☒ MTBE☒	EPA 8015B GRO☒ DRO☒ ORO☐ HC SCREEN☐	EPA 8260B PCBs(8082) PAHs(8270) MTBE☐	EPA 6010 Ca, Fe, K, Mg, Na, Cl Dissolved Hydrocarbons	EPA6010/7000 TITLE 22 METALS☐ STLC☐	EPA 310.1 ALKALINITY☐ TPH-MO	LUFT Metals (CAM-17 metals)	EPA 413.1 OIL & GREASE☐ EPA 418.1 TRPH☐	Ethane Ethene Methane	Ferrous Iron	Nitrate / Sulfate as NO3 / SO4	Notes/Comments
MW-4	W		120621	1440	16	Various	X	X	X	X		X	X		X	X	X	DRO w/Silgel & dissolved metals per D. Becker. gmp 6/25/12
MW-5			1	1520	16		X	X	X	X		X	X		X	X	X	
MW-6				1440	16		X	X	X	X		X	X		X	X	X	
MW-7				1400	~~16~~		X	X	X	X		X	X		X	X	X	
MW-8				1320	16		X	X	X	X		X	X		X	X	X	
MW-9				1300	16		X	X	X	X		X	X		X	X	X	
MW-11				1415	16		X	X	X	X		X	X		X	X	X	
MW-12				1500	16		X	X	X	X		X	X		X	X	X	
MW-13				1340	16		X	X	X	X		X	X		X	X	X	
MW-16				1115	16		X	X	X	X		X	X		X	X	X	

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	6/21/12 1610		CLI	6/21/12 1610
	CLI	6/21/12 1630	FB		
					6-22-12 925
				CLI	6/22/12 1740

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 1.1-2.6

COC #

09-2.8

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd.■ San Ramon, CA 94583

COC 2 of 2

Chevron Site Number: 90260

Chevron Site Global ID: T0600100315

Chevron Site Address: 21995 Foothill Blvd.

Hayward, CA

Chevron PM: CATALINA DEVINE

Chevron PM Phone No.: (925)790-3949

☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: CRA

Address: 5900 Hollis St. Suite A Emeryville,

CAConsultant Contact: Nathan Lee

Consultant Phone No. 510-420-3333

Consultant Project No. 120621-PH1

Sampling Company: Blaine Tech Services

Sampled By (Print): Patrick Hurns

Sampler Signature:

Charge Code: NWRTB-0090260-0-OML
NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories

☒ Lancaster, PA
Lab Contact: Jill Parker

2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
0800	4°
0900	4°
1000	4°
1100	4°
1200	4°
1300	4°

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type
MW-18	W		120621	1150	16	various
MW-19				1050	16	
P-1				0940	16	
DVE-9				1530	17	
DVE-12				1500	16	
DVE-20				1420	16	
QA	T			0800	4	VOA

ANALYSES REQUIRED

Preservation Codes
H = HCL T= Thiosulfate N = HNO_3 B = NaOH S = H_2SO_4 O = Other acct#10091 QP# 1317852 Sample# 6699060-92

Special Instructions
Must meet lowest detection limits possible for 8260 Compounds

Notes/Comments
DRDW/Silcel and dissolved metals per D. Becker. gmp 6/20/12

Relinquished By	Company	Date/Time:
	BTS	6/21/12 1610
	LLI	6/21/12 1632

Relinquished To	Company	Date/Time
	LLI	6/21/12 1610
	FE	
	LLI	6-22-12 925
		1740

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 1.1-2.6
COC #

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 6/21/12

Site Address 21995 Foothill Blvd, Hayward

Job Number 120621-PH1 Technician PH

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-4								X		
MW-5	X	X	X							
MW-6	X	X	X							
MW-7	X	X	X							
MW-8								X		
MW-9								X		
MW-11	X	X	X							
MW-12	X	X	X							
MW-13								X		
MW-14								X	X	
MW-15									X	
MW-16								X		
MW-17	X	X	X							
MW-18								X		
MW-19		X	X					X		
P-1	X	X	X							
DVE-9	X	X	X							

NOTES: MW-16 3/3 tabs stripped MW-14 2/2 tabs stripped MW-9 -8/8 bolts MW-8 -8/8 bolts MW-13 christy MW-19 Holes in annular seal (3' deep) MW-4 casing above grade, 4" MW-14, MW-15 unable to access - parked over MW-18 3/3 tabs stripped

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 6/21/12

Site Address 21995 Foothill Blvd, Hayward

Job Number 120621-PH1 Technician PH

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
DVE-12	X	X	X							
DVE-20	X	X	X							

NOTES:

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-0260 — Catalina Devine
CHEVRON # — Chevron Project Manager

21995 — Foothill Blvd — Hayward — CA
street number — street name — city — state

WELL I.D.	GALS.	WELL I.D.	GALS.
~~MW-4~~	/	MW-13	/ 4
~~MW-5~~	/	MW-16	/ 9.2
~~MW-6~~	/	MW-18	/ 3.7
~~MW-7~~	/	~~MW-19~~	/
MW-8	/ 4	P-1	/ 1.5
MW-9	/ 3	~~DUP-9~~	/
~~MW-11~~	/	~~DUP-12~~	/
~~MW-12~~	/	~~DUP-20~~	/

added equip. rinse water / 7

any other adjustments /

TOTAL GALS. RECOVERED 32.5

loaded onto BTS vehicle # 81

BTS event # 120621-P2A1 — time 1630 — date 6/21/12

signature

****

REC'D AT BTS — time 1730 — date 6/21/12

unloaded by signature

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-0260	CATALINA DEVINE
CHEVRON #	Chevron Project Manager

21995	FOOTHILL BLVD	HAYWARD	CA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-4	5.9	DVE-12	14.3
MW-5	14	DVE-20	14.3
MW-6	1.4		
MW-7	2.7		
MW-11	16.5		
MW-12	15.1		
MW-19	15.3		
DVE-9	13		
added equip. rinse water	5.5	any other adjustments	

TOTAL GALS. RECOVERED 118

loaded onto BTS vehicle # 76

BTS event # 120621-PN1 time 1650 date 6/21/12

signature

****

REC'D AT BTS-SJ time 1720 date 6/21/12

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	CHEVRON - 21995 FOOTHILL RD HAYWARD, CA	PROJECT NUMBER	120621-PH1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
MYRON L ULTRAMETER II	6209577	6/21/12 0615	pH: 7.00; 10.00 4.00 cond: 3900 µs	pH: 7.00; 10.00 4.00 cond: 3900 µs	Yes	60 °F	MW
"	"	"	ORP: 244 mV	ORP: 244 mV	Yes	15 °C	MW
YSI 550	05A0590ME	6/21/12 0615	DO: 100% 10 mg/L	DO: 100% °C 10 mg/L	Yes	60 °F	MW
Myron L ultrameter II	6209492	6/21/12 0620	pH 7, 10, 4 ORP: 245 cond. 3900	7.03; 10.00, 4.00 ORP: 245 mV 3900	✓ ✓	61.2°F	PH
YSI 550	06E1424 AII	~~6/21/12 0615~~	DO 100%	100.0	✓	61.2°F	PH

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

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

July 11, 2012

Project: 90260

Submittal Date: 06/22/2012
Group Number: 1317852
PO Number: 0015103600
Release Number: HORNE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
MW-4-W-120621 NA Water	6699060
MW-4-W-120621 Filtered NA Water	6699061
MW-5-W-120621 NA Water	6699062
MW-5-W-120621 Filtered NA Water	6699063
MW-6-W-120621 NA Water	6699064
MW-6-W-120621 Filtered NA Water	6699065
MW-7-W-120621 NA Water	6699066
MW-7-W-120621 Filtered NA Water	6699067
MW-8-W-120621 NA Water	6699068
MW-8-W-120621 Filtered NA Water	6699069
MW-9-W-120621 NA Water	6699070
MW-9-W-120621 Filtered NA Water	6699071
MW-11-W-120621 NA Water	6699072
MW-11-W-120621 Filtered NA Water	6699073
MW-12-W-120621 NA Water	6699074
MW-12-W-120621 Filtered NA Water	6699075
MW-13-W-120621 NA Water	6699076
MW-13-W-120621 Filtered NA Water	6699077
MW-16-W-120621 NA Water	6699078
MW-16-W-120621 Filtered NA Water	6699079
MW-18-W-120621 NA Water	6699080
MW-18-W-120621 Filtered NA Water	6699081
MW-19-W-120621 NA Water	6699082
MW-19-W-120621 Filtered NA Water	6699083
P-1-W-120621 NA Water	6699084
P-1-W-120621 Filtered NA Water	6699085
DVE-9-W-120621 NA Water	6699086
DVE-9-W-120621 Filtered NA Water	6699087

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Analysis Report

DVE-12-W-120621 NA Water	6699088
DVE-12-W-120621 Filtered NA Water	6699089
DVE-20-W-120621 NA Water	6699090
DVE-20-W-120621 Filtered NA Water	6699091
QA-T-120621 NA Water	6699092

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Blaine Tech Services, Inc.	Attn: Dustin Becker
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	CRA	Attn: Nathan Lee
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Respectfully Submitted,

Jill M. Parker

Jill M. Parker
Senior Specialist

(717) 556-7262

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

Analysis Report

Sample Description: MW-4-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-4

LLI Sample # WW 6699060
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	3	J	1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	230		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	69		1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	620		1	8	2
10903	o-Xylene	95-47-6	310		1	8	2

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.1	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-4-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-4

LLI Sample # WW 6699060
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.1	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	76		0.1	0.5	1
07805	Phenanthrene	85-01-8	0.2	J	0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	7,600		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.099	0.50	1
10227	PCB-1221	11104-28-2	N.D.		0.099	0.50	1
10227	PCB-1232	11141-16-5	N.D.		0.20	0.50	1
10227	PCB-1242	53469-21-9	N.D.		0.099	0.50	1
10227	PCB-1248	12672-29-6	N.D.		0.099	0.50	1
10227	PCB-1254	11097-69-1	N.D.		0.099	0.50	1
10227	PCB-1260	11096-82-5	N.D.		0.15	0.50	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	2,100		100	300	20
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,600		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.		39	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.		39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,500		250	500	5
00228	Sulfate	14808-79-8	91,900		3,000	10,000	10
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	3,200		200	2,000	20

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-4-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-4

LLI Sample # WW 6699060
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH04

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 07:12	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 07:12	Christopher G Torres	2
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 02:07	Holly Berry	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 17:59	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 17:59	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 21:06	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 16:12	Elizabeth J Marin	20
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 10:32	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/25/2012 23:59	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 15:47	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/24/2012 17:52	Clinton M Wilson	10
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	20

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-4-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-4

LLI Sample # WW 6699061
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	54.5		6.8	20.0	1
07046	Barium	7440-39-3	203		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	4.0	J	0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	5.7	J	2.9	10.0	1
07061	Nickel	7440-02-0	5.4	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	3.4	J	1.3	5.0	1
07072	Zinc	7440-66-6	7.6	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	N.D.		0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07053	Copper	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 07:09	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/27/2012 23:53	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-4-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-4

LLI Sample # WW 6699061
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

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Analysis Report

Sample Description: MW-5-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-5

LLI Sample # WW 6699062
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	190	J	25	200	50
10903	Bromodichloromethane	75-27-4	N.D.		50	250	50
10903	Bromoform	75-25-2	N.D.		50	250	50
10903	Bromomethane	74-83-9	N.D.		50	250	50
10903	Carbon Tetrachloride	56-23-5	N.D.		50	250	50
10903	Chlorobenzene	108-90-7	N.D.		40	250	50
10903	Chloroethane	75-00-3	N.D.		50	250	50
10903	Chloroform	67-66-3	N.D.		40	250	50
10903	Chloromethane	74-87-3	N.D.		50	250	50
10903	Dibromochloromethane	124-48-1	N.D.		50	250	50
10903	1,2-Dichlorobenzene	95-50-1	N.D.		50	250	50
10903	1,3-Dichlorobenzene	541-73-1	N.D.		50	250	50
10903	1,4-Dichlorobenzene	106-46-7	N.D.		50	250	50
10903	1,1-Dichloroethane	75-34-3	N.D.		50	250	50
10903	1,2-Dichloroethane	107-06-2	N.D.		25	200	50
10903	1,1-Dichloroethene	75-35-4	N.D.		40	250	50
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		40	250	50
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		40	250	50
10903	1,2-Dichloropropane	78-87-5	N.D.		50	250	50
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		50	250	50
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		50	250	50
10903	Ethylbenzene	100-41-4	2,700		25	200	50
10903	Freon 113	76-13-1	N.D.		100	500	50
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		25	200	50
10903	Methylene Chloride	75-09-2	N.D.		100	250	50
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		50	250	50
10903	Tetrachloroethene	127-18-4	N.D.		40	250	50
10903	Toluene	108-88-3	13,000		25	200	50
10903	1,1,1-Trichloroethane	71-55-6	N.D.		40	250	50
10903	1,1,2-Trichloroethane	79-00-5	N.D.		40	250	50
10903	Trichloroethene	79-01-6	N.D.		50	250	50
10903	Trichlorofluoromethane	75-69-4	N.D.		100	250	50
10903	Vinyl Chloride	75-01-4	N.D.		50	250	50
10903	m+p-Xylene	179601-23-1	10,000		25	200	50
10903	o-Xylene	95-47-6	4,700		25	200	50

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.3	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	0.2	J	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-5-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-5

LLI Sample # WW 6699062
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.2	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	380		1	5	10
07805	Phenanthrene	85-01-8	0.3	J	0.1	0.5	1
07805	Pyrene	129-00-0	0.2	J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	99,000		5,000	10,000	100
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.47	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.47	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.47	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.47	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.47	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.47	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.47	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	11,000		500	1,500	100
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	5,700		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	260		39	120	1
10006	Total TPH w/Si Gel	n.a.	260		39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	2,100	J	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	18,200		1,000	10,000	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-5-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-5

LLI Sample # WW 6699062
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH05

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 13:28	Christopher G Torres	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 13:28	Christopher G Torres	50
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 02:30	Holly Berry	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 07:27	Brian K Graham	10
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 18:25	Marie D John	100
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 18:25	Marie D John	100
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 21:21	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 16:30	Elizabeth J Marin	100
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 10:55	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 00:24	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 12:14	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 12:14	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-5-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-5

LLI Sample # WW 6699063
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	121		6.8	20.0	1
07046	Barium	7440-39-3	35.8		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	3.5	J	0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	8.4	J	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	N.D.		1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	3.3	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.041	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:22	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 07:22	Tara L Snyder	1
07053	Copper	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:22	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 07:22	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/27/2012 23:57	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-5-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-5

LLI Sample # WW 6699063
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-6-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-6

LLI Sample # WW 6699064
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzene	71-43-2	N.D.	0.5	4	1
10903	Bromodichloromethane	75-27-4	N.D.	1	5	1
10903	Bromoform	75-25-2	N.D.	1	5	1
10903	Bromomethane	74-83-9	N.D.	1	5	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	5	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	5	1
10903	Chloroethane	75-00-3	N.D.	1	5	1
10903	Chloroform	67-66-3	N.D.	0.8	5	1
10903	Chloromethane	74-87-3	N.D.	1	5	1
10903	Dibromochloromethane	124-48-1	N.D.	1	5	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	5	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	4	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	5	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	4	1
10903	Freon 113	76-13-1	N.D.	2	10	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	4	1
10903	Methylene Chloride	75-09-2	N.D.	2	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	5	1
10903	Toluene	108-88-3	N.D.	0.5	4	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5	1
10903	Trichloroethene	79-01-6	N.D.	1	5	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	5	1
10903	Vinyl Chloride	75-01-4	N.D.	1	5	1
10903	m+p-Xylene	179601-23-1	N.D.	0.5	4	1
10903	o-Xylene	95-47-6	N.D.	0.5	4	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l	ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.	0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
07805	Chrysene	218-01-9	N.D.	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-6-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-6

LLI Sample # WW 6699064
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	N.D.		0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	N.D.		0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.		0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.		50	100	1
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.096	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.096	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.096	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.096	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.096	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	26		5.0	15	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.		50	100	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.		39	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.		39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	80,500		3,000	10,000	10
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	57	J	10	100	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-6-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-6

LLI Sample # WW 6699064
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH06

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 05:14	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 05:14	Christopher G Torres	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 07:50	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 14:10	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 14:10	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	06/29/2012 17:57	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/03/2012 18:17	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 11:23	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 00:48	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 16:01	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/24/2012 18:07	Clinton M Wilson	10
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	1

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Analysis Report

Sample Description: MW-6-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-6

LLI Sample # WW 6699065
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	12.5	J	6.8	20.0	1
07046	Barium	7440-39-3	137		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	1.5	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	6.0		1.3	5.0	1
07072	Zinc	7440-66-6	2.8	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.20		0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:26	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:26	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 07:26	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 07:26	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:09	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-6-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-6

LLI Sample # WW 6699065
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:40	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-7-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-7

LLI Sample # WW 6699066
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzene	71-43-2	N.D.	0.5	4	1
10903	Bromodichloromethane	75-27-4	N.D.	1	5	1
10903	Bromoform	75-25-2	N.D.	1	5	1
10903	Bromomethane	74-83-9	N.D.	1	5	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	5	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	5	1
10903	Chloroethane	75-00-3	N.D.	1	5	1
10903	Chloroform	67-66-3	N.D.	0.8	5	1
10903	Chloromethane	74-87-3	N.D.	1	5	1
10903	Dibromochloromethane	124-48-1	N.D.	1	5	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	5	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	4	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	5	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	4	1
10903	Freon 113	76-13-1	N.D.	2	10	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	140	0.5	4	1
10903	Methylene Chloride	75-09-2	N.D.	2	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	5	1
10903	Toluene	108-88-3	N.D.	0.5	4	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5	1
10903	Trichloroethene	79-01-6	N.D.	1	5	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	5	1
10903	Vinyl Chloride	75-01-4	N.D.	1	5	1
10903	m+p-Xylene	179601-23-1	N.D.	0.5	4	1
10903	o-Xylene	95-47-6	N.D.	0.5	4	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l	ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.	0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
07805	Chrysene	218-01-9	N.D.	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-7-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-7

LLI Sample # WW 6699066
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
07805	Fluorene	86-73-7	N.D.	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
07805	Naphthalene	91-20-3	0.4 J	0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
07805	Pyrene	129-00-0	N.D.	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
Pesticides/PCBs	**SW-846 8082**		**ug/l**	**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.	0.10	0.51	1
10227	PCB-1221	11104-28-2	N.D.	0.10	0.51	1
10227	PCB-1232	11141-16-5	N.D.	0.20	0.51	1
10227	PCB-1242	53469-21-9	N.D.	0.10	0.51	1
10227	PCB-1248	12672-29-6	N.D.	0.10	0.51	1
10227	PCB-1254	11097-69-1	N.D.	0.10	0.51	1
10227	PCB-1260	11096-82-5	N.D.	0.15	0.51	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Methane	74-82-8	37	5.0	15	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	160	50	110	1
	The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	39	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.	39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	6,500	250	500	5
00228	Sulfate	14808-79-8	64,700	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	54 J	10	100	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-7-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-7

LLI Sample # WW 6699066
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH07

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 05:37	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 05:37	Christopher G Torres	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 08:12	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 14:36	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 14:36	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	06/29/2012 18:11	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/03/2012 18:35	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 11:45	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 01:12	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 15:04	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 15:04	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-7-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-7

LLI Sample # WW 6699067
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**	**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.	3.5	20.0	1
07035	Arsenic	7440-38-2	N.D.	6.8	20.0	1
07046	Barium	7440-39-3	217	0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.	0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.	0.36	5.0	1
07051	Chromium	7440-47-3	N.D.	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.	0.66	5.0	1
07053	Copper	7440-50-8	N.D.	2.1	10.0	1
07055	Lead	7439-92-1	N.D.	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.	2.9	10.0	1
07061	Nickel	7440-02-0	N.D.	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.	7.5	20.0	1
07066	Silver	7440-22-4	N.D.	1.2	5.0	1
07022	Thallium	7440-28-0	N.D.	5.7	30.0	1
07071	Vanadium	7440-62-2	12.8	1.3	5.0	1
07072	Zinc	7440-66-6	5.5 J	2.0	20.0	1
	SW-846 7470A		**ug/l**	**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.094 J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 07:31	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:13	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-7-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-7

LLI Sample # WW 6699067
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:42	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-8-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-8

LLI Sample # WW 6699068
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	1	J	1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	390		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	400		1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	430		1	8	2
10903	o-Xylene	95-47-6	740		10	80	20

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.1	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-8-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-8

LLI Sample # WW 6699068
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.1	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	150		1	5	10
07805	Phenanthrene	85-01-8	0.2	J	0.1	0.5	1
07805	Pyrene	129-00-0	0.2	J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	8,300		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	3,200		250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,300		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	64	J	38	110	1
10006	Total TPH w/Si Gel	n.a.	64	J	38	110	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	10,500		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	1,000		50	500	5

*=This limit was used in the evaluation of the final result

Sample Description: MW-8-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-8

LLI Sample # WW 6699068
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH08

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 07:59	Christopher G Torres	2
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 08:22	Christopher G Torres	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 07:59	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W121871AA	07/05/2012 08:22	Christopher G Torres	20
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 08:35	Brian K Graham	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 14:37	Brian K Graham	10
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 18:50	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 18:50	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 21:35	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 16:49	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 12:08	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 01:35	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 14:07	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 14:07	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	5

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Analysis Report

Sample Description: MW-8-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-8

LLI Sample # WW 6699069
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	96.9		6.8	20.0	1
07046	Barium	7440-39-3	136		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	4.9	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	3.1	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.044	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:35	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:35	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 07:35	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:17	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-8-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-8

LLI Sample # WW 6699069
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:43	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-9

LLI Sample # WW 6699070
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	N.D.		1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	39		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	4	J	1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	12		1	8	2
10903	o-Xylene	95-47-6	8		1	8	2

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.4	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	0.3	J	0.1	0.5	1
07805	Anthracene	120-12-7	0.2	J	0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	0.1	J	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	0.1	J	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	0.2	J	0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	0.3	J	0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	0.2	J	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-9

LLI Sample # WW 6699070
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.3	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	0.1	J	0.1	0.5	1
07805	Naphthalene	91-20-3	31		0.1	0.5	1
07805	Phenanthrene	85-01-8	0.4	J	0.1	0.5	1
07805	Pyrene	129-00-0	0.4	J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,700		50	100	1
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.096	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.096	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.096	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.096	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.096	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	4,900		250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,600		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	440		38	110	1
10006	Total TPH w/Si Gel	n.a.	440		38	110	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	26,000		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	2,600		100	1,000	10

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-9

LLI Sample # WW 6699070
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH09

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 08:46	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 08:46	Christopher G Torres	2
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 08:58	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 15:52	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 15:52	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 21:50	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 17:07	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 12:31	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 01:59	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 13:53	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 13:53	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	10

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Analysis Report

Sample Description: MW-9-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-9

LLI Sample # WW 6699071
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	54.5		6.8	20.0	1
07046	Barium	7440-39-3	98.1		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	N.D.		1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	1.8	J	1.3	5.0	1
07072	Zinc	7440-66-6	5.6	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.018	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:39	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:39	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 07:39	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:21	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-9-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-9

LLI Sample # WW 6699071
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:48	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-11-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-11

LLI Sample # WW 6699072
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	12		1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	9		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	6	J	1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	6	J	1	8	2
10903	o-Xylene	95-47-6	1	J	1	8	2

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.		0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-11-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-11

LLI Sample # WW 6699072
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	N.D.		0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	7		0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.		0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,400		50	100	1
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.47	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.47	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.47	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.47	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.47	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.47	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.47	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	4,600		250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	270		50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	98	J	38	110	1
10006	Total TPH w/Si Gel	n.a.	98	J	38	110	1

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.
The reverse surrogate, capric acid, is present at <1%.

Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	7,300		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	15,400		500	5,000	50

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-11-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-11

LLI Sample # WW 6699072
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH11

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 09:33	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 09:33	Christopher G Torres	2
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 09:20	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 16:17	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 16:17	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 22:05	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 17:25	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 12:53	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 02:23	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 15:18	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 15:18	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	50

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-11-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-11

LLI Sample # WW 6699073
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	689		6.8	20.0	1
07046	Barium	7440-39-3	226		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	6.0	J	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	2.4	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	5.3	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.021	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:44	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:44	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 07:44	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:24	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-11-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-11

LLI Sample # WW 6699073
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-12

LLI Sample # WW 6699074
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	71		0.5	4	1
10903	Bromodichloromethane	75-27-4	N.D.		1	5	1
10903	Bromoform	75-25-2	N.D.		1	5	1
10903	Bromomethane	74-83-9	N.D.		1	5	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	5	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	5	1
10903	Chloroethane	75-00-3	N.D.		1	5	1
10903	Chloroform	67-66-3	N.D.		0.8	5	1
10903	Chloromethane	74-87-3	N.D.		1	5	1
10903	Dibromochloromethane	124-48-1	N.D.		1	5	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	5	1
10903	1,2-Dichloroethane	107-06-2	N.D.		0.5	4	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.8	5	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	5	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	5	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	5	1
10903	Ethylbenzene	100-41-4	72		0.5	4	1
10903	Freon 113	76-13-1	N.D.		2	10	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	34		0.5	4	1
10903	Methylene Chloride	75-09-2	N.D.		2	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	5	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	5	1
10903	Toluene	108-88-3	2	J	0.5	4	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	5	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	5	1
10903	Trichloroethene	79-01-6	N.D.		1	5	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	5	1
10903	Vinyl Chloride	75-01-4	N.D.		1	5	1
10903	m+p-Xylene	179601-23-1	61		0.5	4	1
10903	o-Xylene	95-47-6	N.D.		0.5	4	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.2	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	0.1	J	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-12

LLI Sample # WW 6699074
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
07805	Fluorene	86-73-7	0.1 J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
07805	Naphthalene	91-20-3	7	0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
07805	Pyrene	129-00-0	N.D.	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,500	50	100	1
Pesticides/PCBs	**SW-846 8082**		**ug/l**	**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.	0.096	0.48	1
10227	PCB-1221	11104-28-2	N.D.	0.096	0.48	1
10227	PCB-1232	11141-16-5	N.D.	0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.	0.096	0.48	1
10227	PCB-1248	12672-29-6	N.D.	0.096	0.48	1
10227	PCB-1254	11097-69-1	N.D.	0.096	0.48	1
10227	PCB-1260	11096-82-5	N.D.	0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Methane	74-82-8	3,600	250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	870	50	100	1
	The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	130	38	110	1
10006	Total TPH w/Si Gel	n.a.	130	38	110	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	500	5
00228	Sulfate	14808-79-8	56,200	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	7,200	250	2,500	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-12

LLI Sample # WW 6699074
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH12

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 06:24	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 06:24	Christopher G Torres	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 09:43	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 16:43	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 16:43	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 22:19	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 17:44	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 13:15	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 02:47	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 16:29	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 16:29	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	25

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Analysis Report

Sample Description: MW-12-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-12

LLI Sample # WW 6699075
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l	ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.	3.5	20.0	1
07035	Arsenic	7440-38-2	275	6.8	20.0	1
07046	Barium	7440-39-3	45.1	0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.	0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.	0.36	5.0	1
07051	Chromium	7440-47-3	N.D.	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.	0.66	5.0	1
07053	Copper	7440-50-8	N.D.	2.1	10.0	1
07055	Lead	7439-92-1	N.D.	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.	2.9	10.0	1
07061	Nickel	7440-02-0	N.D.	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.	7.5	20.0	1
07066	Silver	7440-22-4	N.D.	1.2	5.0	1
07022	Thallium	7440-28-0	N.D.	5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.	1.3	5.0	1
07072	Zinc	7440-66-6	45.3	2.0	20.0	1
	SW-846 7470A		ug/l	ug/l	ug/l	
00259	Mercury	7439-97-6	0.020 J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:48	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:48	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:29	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-12-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-12

LLI Sample # WW 6699075
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:52	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-13-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-13

LLI Sample # WW 6699076
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	12		1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	470		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	160		1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	310		1	8	2
10903	o-Xylene	95-47-6	15		1	8	2

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.		0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	0.2	J	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	0.4	J	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	0.7		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	0.7		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	0.3	J	0.1	0.5	1
07805	Chrysene	218-01-9	0.4	J	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-13-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-13

LLI Sample # WW 6699076
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	0.3	J	0.1	0.5	1
07805	Fluorene	86-73-7	0.1	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	0.5		0.1	0.5	1
07805	Naphthalene	91-20-3	73		0.1	0.5	1
07805	Phenanthrene	85-01-8	0.1	J	0.1	0.5	1
07805	Pyrene	129-00-0	0.4	J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	5,600		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.47	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.47	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.47	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.47	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.47	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.47	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.47	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	5,900		250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,200		50	100	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	210		38	110	1
10006	Total TPH w/Si Gel	n.a.	210		38	110	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	5,100		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	4,500		250	2,500	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-13-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-13

LLI Sample # WW 6699076
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH13

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 10:20	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 10:20	Christopher G Torres	2
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 10:05	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 19:15	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 19:15	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 22:34	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 18:02	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 13:54	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 05:58	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 14:21	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 14:21	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-13-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-13

LLI Sample # WW 6699077
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	108		6.8	20.0	1
07046	Barium	7440-39-3	173		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	1.3	J	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	N.D.		1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	3.1	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	N.D.		0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:53	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:53	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:32	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-13-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-13

LLI Sample # WW 6699077
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 13:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 09:59	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-16-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-16

LLI Sample # WW 6699078
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH16

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	130		5	40	10
10903	Bromodichloromethane	75-27-4	N.D.		10	50	10
10903	Bromoform	75-25-2	N.D.		10	50	10
10903	Bromomethane	74-83-9	N.D.		10	50	10
10903	Carbon Tetrachloride	56-23-5	N.D.		10	50	10
10903	Chlorobenzene	108-90-7	N.D.		8	50	10
10903	Chloroethane	75-00-3	N.D.		10	50	10
10903	Chloroform	67-66-3	N.D.		8	50	10
10903	Chloromethane	74-87-3	N.D.		10	50	10
10903	Dibromochloromethane	124-48-1	N.D.		10	50	10
10903	1,2-Dichlorobenzene	95-50-1	N.D.		10	50	10
10903	1,3-Dichlorobenzene	541-73-1	N.D.		10	50	10
10903	1,4-Dichlorobenzene	106-46-7	N.D.		10	50	10
10903	1,1-Dichloroethane	75-34-3	N.D.		10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.		5	40	10
10903	1,1-Dichloroethene	75-35-4	N.D.		8	50	10
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		8	50	10
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		8	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.		10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		10	50	10
10903	Ethylbenzene	100-41-4	180		5	40	10
10903	Freon 113	76-13-1	N.D.		20	100	10
10903	Methyl Tertiary Butyl Ether	1634-04-4	5	J	5	40	10
10903	Methylene Chloride	75-09-2	N.D.		20	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10	50	10
10903	Tetrachloroethene	127-18-4	N.D.		8	50	10
10903	Toluene	108-88-3	13	J	5	40	10
10903	1,1,1-Trichloroethane	71-55-6	N.D.		8	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.		8	50	10
10903	Trichloroethene	79-01-6	N.D.		10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.		20	50	10
10903	Vinyl Chloride	75-01-4	N.D.		10	50	10
10903	m+p-Xylene	179601-23-1	56		5	40	10
10903	o-Xylene	95-47-6	N.D.		5	40	10

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.2	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-16-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-16

LLI Sample # WW 6699078
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH16

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	N.D.		0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	40		0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.		0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	6,800		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	180		5.0	15	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,200		50	100	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	50	J	39	120	1
10006	Total TPH w/Si Gel	n.a.	50	J	39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	N.D.		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	11,700		500	5,000	50

*=This limit was used in the evaluation of the final result

Sample Description: MW-16-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-16

LLI Sample # WW 6699078
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH16

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 11:54	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 11:54	Christopher G Torres	10
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 10:28	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 19:41	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 19:41	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	06/29/2012 20:08	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/03/2012 20:45	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 14:17	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 03:11	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901A	06/23/2012 13:25	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901A	06/23/2012 13:25	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	50

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Analysis Report

Sample Description: MW-16-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-16

LLI Sample # WW 6699079
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	13.1	J	6.8	20.0	1
07046	Barium	7440-39-3	144		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	2.4	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	4.1	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.021	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 07:57	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 07:57	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 07:57	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:36	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-16-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-16

LLI Sample # WW 6699079
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:15 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:01	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-18-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-18

LLI Sample # WW 6699080
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH18

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	24	J	5	40	10
10903	Bromodichloromethane	75-27-4	N.D.		10	50	10
10903	Bromoform	75-25-2	N.D.		10	50	10
10903	Bromomethane	74-83-9	N.D.		10	50	10
10903	Carbon Tetrachloride	56-23-5	N.D.		10	50	10
10903	Chlorobenzene	108-90-7	N.D.		8	50	10
10903	Chloroethane	75-00-3	N.D.		10	50	10
10903	Chloroform	67-66-3	N.D.		8	50	10
10903	Chloromethane	74-87-3	N.D.		10	50	10
10903	Dibromochloromethane	124-48-1	N.D.		10	50	10
10903	1,2-Dichlorobenzene	95-50-1	N.D.		10	50	10
10903	1,3-Dichlorobenzene	541-73-1	N.D.		10	50	10
10903	1,4-Dichlorobenzene	106-46-7	N.D.		10	50	10
10903	1,1-Dichloroethane	75-34-3	N.D.		10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.		5	40	10
10903	1,1-Dichloroethene	75-35-4	N.D.		8	50	10
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		8	50	10
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		8	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.		10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		10	50	10
10903	Ethylbenzene	100-41-4	1,300		5	40	10
10903	Freon 113	76-13-1	N.D.		20	100	10
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		5	40	10
10903	Methylene Chloride	75-09-2	N.D.		20	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10	50	10
10903	Tetrachloroethene	127-18-4	N.D.		8	50	10
10903	Toluene	108-88-3	47		5	40	10
10903	1,1,1-Trichloroethane	71-55-6	N.D.		8	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.		8	50	10
10903	Trichloroethene	79-01-6	N.D.		10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.		20	50	10
10903	Vinyl Chloride	75-01-4	N.D.		10	50	10
10903	m+p-Xylene	179601-23-1	740		5	40	10
10903	o-Xylene	95-47-6	24	J	5	40	10

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.6		0.09	0.5	1
07805	Acenaphthylene	208-96-8	0.5		0.09	0.5	1
07805	Anthracene	120-12-7	0.2	J	0.09	0.5	1
07805	Benzo(a)anthracene	56-55-3	0.1	J	0.09	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.09	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.09	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.09	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.09	0.5	1
07805	Chrysene	218-01-9	N.D.		0.09	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-18-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-18

LLI Sample # WW 6699080
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH18

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.09	0.5	1
07805	Fluoranthene	206-44-0	0.2	J	0.09	0.5	1
07805	Fluorene	86-73-7	0.6		0.09	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.09	0.5	1
07805	Naphthalene	91-20-3	130		0.9	5	10
07805	Phenanthrene	85-01-8	0.9		0.09	0.5	1
07805	Pyrene	129-00-0	0.3	J	0.09	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	20,000		5,000	10,000	10
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.097	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.097	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.097	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.097	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.097	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.15	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	4,600		250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	17,000		50	100	1

Due to the presence of fuel in the sample extract, capric acid recovery can not be determined.

GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	700		39	120	1
10006	Total TPH w/Si Gel	n.a.	700		39	120	1

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.
The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

The reverse surrogate, capric acid, is present at 1.2%.

Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	N.D.		1,500	5,000	5

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-18-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-18

LLI Sample # WW 6699080
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM20 3500 Fe B modified**		ug/l	ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,400	250	2,500	25

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 12:40	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 12:40	Christopher G Torres	10
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 10:50	Brian K Graham	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 21:24	Holly Berry	10
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12178B07A	07/02/2012 21:48	Marie D John	10
01146	GC VOA Water Prep	SW-846 5030B	1	12178B07A	07/02/2012 21:48	Marie D John	10
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 22:49	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 18:21	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 14:39	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 03:35	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 13:39	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 13:39	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-18-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-18

LLI Sample # WW 6699081
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	185		6.8	20.0	1
07046	Barium	7440-39-3	101		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	2.7	J	0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	5.2	J	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	4.0	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	1.7	J	1.3	5.0	1
07072	Zinc	7440-66-6	6.4	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.034	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:02	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 08:02	Tara L Snyder	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:02	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 08:02	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 08:02	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:40	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-18-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-18

LLI Sample # WW 6699081
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 11:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:02	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-19-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-19

LLI Sample # WW 6699082
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 10:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzene	71-43-2	5,000	25	200	50
10903	Bromodichloromethane	75-27-4	N.D.	1	5	1
10903	Bromoform	75-25-2	N.D.	1	5	1
10903	Bromomethane	74-83-9	N.D.	1	5	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	5	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	5	1
10903	Chloroethane	75-00-3	N.D.	1	5	1
10903	Chloroform	67-66-3	N.D.	0.8	5	1
10903	Chloromethane	74-87-3	N.D.	1	5	1
10903	Dibromochloromethane	124-48-1	N.D.	1	5	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	5	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	4	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	5	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	1
10903	Ethylbenzene	100-41-4	130	0.5	4	1
10903	Freon 113	76-13-1	N.D.	2	10	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	180	0.5	4	1
10903	Methylene Chloride	75-09-2	N.D.	2	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	5	1
10903	Toluene	108-88-3	39	0.5	4	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5	1
10903	Trichloroethene	79-01-6	N.D.	1	5	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	5	1
10903	Vinyl Chloride	75-01-4	N.D.	1	5	1
10903	m+p-Xylene	179601-23-1	51	0.5	4	1
10903	o-Xylene	95-47-6	8	0.5	4	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l	ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.	0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
07805	Chrysene	218-01-9	N.D.	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-19-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-19

LLI Sample # WW 6699082
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 10:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	N.D.		0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	46		0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.		0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	16,000		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.099	0.50	1
10227	PCB-1221	11104-28-2	N.D.		0.099	0.50	1
10227	PCB-1232	11141-16-5	N.D.		0.20	0.50	1
10227	PCB-1242	53469-21-9	N.D.		0.099	0.50	1
10227	PCB-1248	12672-29-6	N.D.		0.099	0.50	1
10227	PCB-1254	11097-69-1	N.D.		0.099	0.50	1
10227	PCB-1260	11096-82-5	N.D.		0.15	0.50	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	91		5.0	15	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	270		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	44	J	40	120	1
10006	Total TPH w/Si Gel	n.a.	44	J	40	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	N.D.		1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	4,800		250	2,500	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-19-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-19

LLI Sample # WW 6699082
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 10:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBH19

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 14:15	Christopher G Torres	1
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121872AA	07/05/2012 23:01	Emily R Styer	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 14:15	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W121872AA	07/05/2012 23:01	Emily R Styer	50
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 11:13	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/29/2012 00:26	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/29/2012 00:26	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	06/29/2012 20:37	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/03/2012 21:20	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 15:01	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 03:59	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 13:10	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 13:10	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-19-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-19

LLI Sample # WW 6699083
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 10:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	45.6		6.8	20.0	1
07046	Barium	7440-39-3	47.3		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	N.D.		1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	1.7	J	1.3	5.0	1
07072	Zinc	7440-66-6	3.4	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.028	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:15	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:15	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 08:15	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:44	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-19-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 MW-19

LLI Sample # WW 6699083
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 10:50 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:04	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: P-1-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 P-1

LLI Sample # WW 6699084
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 09:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHP1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzene	71-43-2	N.D.	0.5	4	1
10903	Bromodichloromethane	75-27-4	N.D.	1	5	1
10903	Bromoform	75-25-2	N.D.	1	5	1
10903	Bromomethane	74-83-9	N.D.	1	5	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	5	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	5	1
10903	Chloroethane	75-00-3	N.D.	1	5	1
10903	Chloroform	67-66-3	N.D.	0.8	5	1
10903	Chloromethane	74-87-3	N.D.	1	5	1
10903	Dibromochloromethane	124-48-1	N.D.	1	5	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	5	1
10903	1,2-Dichloroethane	107-06-2	N.D.	0.5	4	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	5	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	5	1
10903	Ethylbenzene	100-41-4	N.D.	0.5	4	1
10903	Freon 113	76-13-1	N.D.	2	10	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	11	0.5	4	1
10903	Methylene Chloride	75-09-2	N.D.	2	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	5	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	5	1
10903	Toluene	108-88-3	N.D.	0.5	4	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5	1
10903	Trichloroethene	79-01-6	N.D.	1	5	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	5	1
10903	Vinyl Chloride	75-01-4	N.D.	1	5	1
10903	m+p-Xylene	179601-23-1	N.D.	0.5	4	1
10903	o-Xylene	95-47-6	N.D.	0.5	4	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l	ug/l	ug/l	
07805	Acenaphthene	83-32-9	N.D.	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.	0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.	0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.	0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.	0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.	0.1	0.5	1
07805	Chrysene	218-01-9	N.D.	0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: P-1-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 P-1

LLI Sample # WW 6699084
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 09:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHP1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	N.D.		0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	N.D.		0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.		0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.		50	100	1
Pesticides/PCBs	**SW-846 8082**		ug/l		ug/l	ug/l	
10227	PCB-1016	12674-11-2	N.D.		0.098	0.49	1
10227	PCB-1221	11104-28-2	N.D.		0.098	0.49	1
10227	PCB-1232	11141-16-5	N.D.		0.20	0.49	1
10227	PCB-1242	53469-21-9	N.D.		0.098	0.49	1
10227	PCB-1248	12672-29-6	N.D.		0.098	0.49	1
10227	PCB-1254	11097-69-1	N.D.		0.098	0.49	1
10227	PCB-1260	11096-82-5	N.D.		0.15	0.49	1
GC Miscellaneous	**SW-846 8015B modified**		ug/l		ug/l	ug/l	
07105	Methane	74-82-8	730		50	150	10
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		ug/l		ug/l	ug/l	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		ug/l		ug/l	ug/l	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.		39	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.		39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		ug/l		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	2,500	J	1,500	5,000	5
	SM20 3500 Fe B modified		ug/l		ug/l	ug/l	
08344	Ferrous Iron	n.a.	48,900		2,000	20,000	200

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: **P-1-W-120621 NA Water**
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 P-1

LLI Sample # WW 6699084
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 09:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHP1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 06:01	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 06:01	Christopher G Torres	1
07805	PAHs 8270C Water	SW-846 8270C	1	12175WAI026	06/26/2012 11:35	Brian K Graham	1
07807	BNA Water Extraction	SW-846 3510C	1	12175WAI026	06/25/2012 11:15	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/28/2012 14:28	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/28/2012 14:28	Marie D John	1
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	06/29/2012 20:52	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 18:58	Elizabeth J Marin	10
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 15:24	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 04:22	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 12:28	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 12:28	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	200

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: P-1-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 P-1

LLI Sample # WW 6699085
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 09:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**		**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	60.5		6.8	20.0	1
07046	Barium	7440-39-3	134		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	N.D.		1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	5.7	J	2.9	10.0	1
07061	Nickel	7440-02-0	1.9	J	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	9.0		1.3	5.0	1
07072	Zinc	7440-66-6	2.1	J	2.0	20.0	1
	SW-846 7470A		**ug/l**		**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.026	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:19	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:19	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 08:19	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 08:19	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 08:19	Tara L Snyder	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 00:56	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: P-1-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 P-1

LLI Sample # WW 6699085
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 09:40 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:09	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-9

LLI Sample # WW 6699086
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:30 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHD9

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	100		1	8	2
10903	Bromodichloromethane	75-27-4	N.D.		2	10	2
10903	Bromoform	75-25-2	N.D.		2	10	2
10903	Bromomethane	74-83-9	N.D.		2	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.		2	10	2
10903	Chlorobenzene	108-90-7	N.D.		2	10	2
10903	Chloroethane	75-00-3	N.D.		2	10	2
10903	Chloroform	67-66-3	N.D.		2	10	2
10903	Chloromethane	74-87-3	N.D.		2	10	2
10903	Dibromochloromethane	124-48-1	N.D.		2	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.		2	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.		2	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.		2	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.		2	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.		1	8	2
10903	1,1-Dichloroethene	75-35-4	N.D.		2	10	2
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		2	10	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		2	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.		2	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		2	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		2	10	2
10903	Ethylbenzene	100-41-4	270		1	8	2
10903	Freon 113	76-13-1	N.D.		4	20	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	66		1	8	2
10903	Methylene Chloride	75-09-2	N.D.		4	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2	10	2
10903	Tetrachloroethene	127-18-4	N.D.		2	10	2
10903	Toluene	108-88-3	13		1	8	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.		2	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.		2	10	2
10903	Trichloroethene	79-01-6	N.D.		2	10	2
10903	Trichlorofluoromethane	75-69-4	N.D.		4	10	2
10903	Vinyl Chloride	75-01-4	N.D.		2	10	2
10903	m+p-Xylene	179601-23-1	340		1	8	2
10903	o-Xylene	95-47-6	70		1	8	2

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.1	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	0.1	J	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	N.D.		0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: DVE-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-9

LLI Sample # WW 6699086
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:30 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHD9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**	**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.	0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.	0.1	0.5	1
07805	Fluorene	86-73-7	N.D.	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.1	0.5	1
07805	Naphthalene	91-20-3	23	0.1	0.5	1
07805	Phenanthrene	85-01-8	N.D.	0.1	0.5	1
07805	Pyrene	129-00-0	0.1 J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	5,600	250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**	**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.	0.094	0.47	1
10227	PCB-1221	11104-28-2	N.D.	0.094	0.47	1
10227	PCB-1232	11141-16-5	N.D.	0.19	0.47	1
10227	PCB-1242	53469-21-9	N.D.	0.094	0.47	1
10227	PCB-1248	12672-29-6	N.D.	0.094	0.47	1
10227	PCB-1254	11097-69-1	N.D.	0.094	0.47	1
10227	PCB-1260	11096-82-5	N.D.	0.14	0.47	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Methane	74-82-8	3,600	250	750	50
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,400	50	100	1
	The reverse surrogate, capric acid, is present at <1%.					
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**	**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	130	38	120	1
10006	Total TPH w/Si Gel	n.a.	130	38	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	500	5
00228	Sulfate	14808-79-8	45,400	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	4,700	250	2,500	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-9-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-9

LLI Sample # WW 6699086
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:30 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHD9

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121871AA	07/05/2012 11:07	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121871AA	07/05/2012 11:07	Christopher G Torres	2
07805	PAHs 8270C Water	SW-846 8270C	1	12177WAI026	06/27/2012 09:46	Joseph M Gambler	1
07807	BNA Water Extraction	SW-846 3510C	1	12177WAI026	06/26/2012 10:40	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/28/2012 19:59	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/28/2012 19:59	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121790009A	07/01/2012 23:03	Jamie L Brillhart	1
11117	PCB Waters Extraction	SW-846 3510C	1	121790009A	06/27/2012 15:50	JoElla L Rice	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 19:16	Elizabeth J Marin	50
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 15:47	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 04:46	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 16:43	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 16:43	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	25

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-9-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-9

LLI Sample # WW 6699087
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:30 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**	**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.	3.5	20.0	1
07035	Arsenic	7440-38-2	208	6.8	20.0	1
07046	Barium	7440-39-3	115	0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.	0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.	0.36	5.0	1
07051	Chromium	7440-47-3	N.D.	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.	0.66	5.0	1
07053	Copper	7440-50-8	N.D.	2.1	10.0	1
07055	Lead	7439-92-1	N.D.	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.	2.9	10.0	1
07061	Nickel	7440-02-0	N.D.	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.	7.5	20.0	1
07066	Silver	7440-22-4	N.D.	1.2	5.0	1
07022	Thallium	7440-28-0	N.D.	5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.	1.3	5.0	1
07072	Zinc	7440-66-6	3.7 J	2.0	20.0	1
	SW-846 7470A		**ug/l**	**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.028 J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:24	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:24	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 01:00	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-9-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-9

LLI Sample # WW 6699087
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:30 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:11	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-12

LLI Sample # WW 6699088
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	360		5	40	10
10903	Bromodichloromethane	75-27-4	N.D.		10	50	10
10903	Bromoform	75-25-2	N.D.		10	50	10
10903	Bromomethane	74-83-9	N.D.		10	50	10
10903	Carbon Tetrachloride	56-23-5	N.D.		10	50	10
10903	Chlorobenzene	108-90-7	N.D.		8	50	10
10903	Chloroethane	75-00-3	N.D.		10	50	10
10903	Chloroform	67-66-3	N.D.		8	50	10
10903	Chloromethane	74-87-3	N.D.		10	50	10
10903	Dibromochloromethane	124-48-1	N.D.		10	50	10
10903	1,2-Dichlorobenzene	95-50-1	N.D.		10	50	10
10903	1,3-Dichlorobenzene	541-73-1	N.D.		10	50	10
10903	1,4-Dichlorobenzene	106-46-7	N.D.		10	50	10
10903	1,1-Dichloroethane	75-34-3	N.D.		10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.		5	40	10
10903	1,1-Dichloroethene	75-35-4	N.D.		8	50	10
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		8	50	10
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		8	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.		10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		10	50	10
10903	Ethylbenzene	100-41-4	1,700		5	40	10
10903	Freon 113	76-13-1	N.D.		20	100	10
10903	Methyl Tertiary Butyl Ether	1634-04-4	13	J	5	40	10
10903	Methylene Chloride	75-09-2	N.D.		20	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10	50	10
10903	Tetrachloroethene	127-18-4	N.D.		8	50	10
10903	Toluene	108-88-3	830		5	40	10
10903	1,1,1-Trichloroethane	71-55-6	N.D.		8	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.		8	50	10
10903	Trichloroethene	79-01-6	N.D.		10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.		20	50	10
10903	Vinyl Chloride	75-01-4	N.D.		10	50	10
10903	m+p-Xylene	179601-23-1	8,000		50	400	100
10903	o-Xylene	95-47-6	2,600		5	40	10

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.3	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	N.D.		0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	0.1	J	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: DVE-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-12

LLI Sample # WW 6699088
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.2	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	440		1	5	10
07805	Phenanthrene	85-01-8	0.2	J	0.1	0.5	1
07805	Pyrene	129-00-0	0.1	J	0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	41,000		1,000	2,000	20
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.48	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.48	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.48	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.48	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.48	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.48	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.48	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	12,000		500	1,500	100
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	3,300		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	49	J	41	120	1
10006	Total TPH w/Si Gel	n.a.	49	J	41	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	4,300	J	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	14,400		1,000	10,000	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-12-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-12

LLI Sample # WW 6699088
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD12

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121872AA	07/05/2012 17:55	Emily R Styer	10
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121872AA	07/05/2012 23:24	Emily R Styer	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121872AA	07/05/2012 17:55	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W121872AA	07/05/2012 23:24	Emily R Styer	100
07805	PAHs 8270C Water	SW-846 8270C	1	12177WAI026	06/27/2012 10:09	Joseph M Gambler	1
07805	PAHs 8270C Water	SW-846 8270C	1	12177WAI026	06/28/2012 06:00	Brian K Graham	10
07807	BNA Water Extraction	SW-846 3510C	1	12177WAI026	06/26/2012 10:40	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/29/2012 00:52	Marie D John	20
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/29/2012 00:52	Marie D John	20
10227	PCBs in Water 8082	SW-846 8082	1	121800007A	06/29/2012 22:49	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121800007A	06/28/2012 13:00	Kelli M Barto	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 19:35	Elizabeth J Marin	100
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 16:10	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 05:10	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 16:15	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 16:15	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-12-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-12

LLI Sample # WW 6699089
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		ug/l		ug/l	ug/l	
07044	Antimony	7440-36-0	N.D.		3.5	20.0	1
07035	Arsenic	7440-38-2	281		6.8	20.0	1
07046	Barium	7440-39-3	50.3		0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.		0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.		0.36	5.0	1
07051	Chromium	7440-47-3	1.4	J	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.		0.66	5.0	1
07053	Copper	7440-50-8	N.D.		2.1	10.0	1
07055	Lead	7439-92-1	N.D.		5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.		2.9	10.0	1
07061	Nickel	7440-02-0	N.D.		1.1	10.0	1
07036	Selenium	7782-49-2	N.D.		7.5	20.0	1
07066	Silver	7440-22-4	N.D.		1.2	5.0	1
07022	Thallium	7440-28-0	N.D.		5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.		1.3	5.0	1
07072	Zinc	7440-66-6	2.8	J	2.0	20.0	1
	SW-846 7470A		ug/l		ug/l	ug/l	
00259	Mercury	7439-97-6	0.024	J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:28	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:28	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 01:04	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-12-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-12

LLI Sample # WW 6699089
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 15:00 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-20-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-20

LLI Sample # WW 6699090
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzene	71-43-2	40	J	10	80	20
10903	Bromodichloromethane	75-27-4	N.D.		20	100	20
10903	Bromoform	75-25-2	N.D.		20	100	20
10903	Bromomethane	74-83-9	N.D.		20	100	20
10903	Carbon Tetrachloride	56-23-5	N.D.		20	100	20
10903	Chlorobenzene	108-90-7	N.D.		16	100	20
10903	Chloroethane	75-00-3	N.D.		20	100	20
10903	Chloroform	67-66-3	N.D.		16	100	20
10903	Chloromethane	74-87-3	N.D.		20	100	20
10903	Dibromochloromethane	124-48-1	N.D.		20	100	20
10903	1,2-Dichlorobenzene	95-50-1	N.D.		20	100	20
10903	1,3-Dichlorobenzene	541-73-1	N.D.		20	100	20
10903	1,4-Dichlorobenzene	106-46-7	N.D.		20	100	20
10903	1,1-Dichloroethane	75-34-3	N.D.		20	100	20
10903	1,2-Dichloroethane	107-06-2	N.D.		10	80	20
10903	1,1-Dichloroethene	75-35-4	N.D.		16	100	20
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		16	100	20
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		16	100	20
10903	1,2-Dichloropropane	78-87-5	N.D.		20	100	20
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		20	100	20
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		20	100	20
10903	Ethylbenzene	100-41-4	760		10	80	20
10903	Freon 113	76-13-1	N.D.		40	200	20
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		10	80	20
10903	Methylene Chloride	75-09-2	N.D.		40	100	20
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		20	100	20
10903	Tetrachloroethene	127-18-4	N.D.		16	100	20
10903	Toluene	108-88-3	180		10	80	20
10903	1,1,1-Trichloroethane	71-55-6	N.D.		16	100	20
10903	1,1,2-Trichloroethane	79-00-5	N.D.		16	100	20
10903	Trichloroethene	79-01-6	N.D.		20	100	20
10903	Trichlorofluoromethane	75-69-4	N.D.		40	100	20
10903	Vinyl Chloride	75-01-4	N.D.		20	100	20
10903	m+p-Xylene	179601-23-1	1,700		10	80	20
10903	o-Xylene	95-47-6	500		10	80	20

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: chloromethane.

GC/MS Semivolatiles	**SW-846 8270C**		ug/l		ug/l	ug/l	
07805	Acenaphthene	83-32-9	0.3	J	0.1	0.5	1
07805	Acenaphthylene	208-96-8	0.1	J	0.1	0.5	1
07805	Anthracene	120-12-7	N.D.		0.1	0.5	1
07805	Benzo(a)anthracene	56-55-3	N.D.		0.1	0.5	1
07805	Benzo(a)pyrene	50-32-8	0.1	J	0.1	0.5	1
07805	Benzo(b)fluoranthene	205-99-2	N.D.		0.1	0.5	1
07805	Benzo(g,h,i)perylene	191-24-2	N.D.		0.1	0.5	1
07805	Benzo(k)fluoranthene	207-08-9	N.D.		0.1	0.5	1
07805	Chrysene	218-01-9	N.D.		0.1	0.5	1

*=This limit was used in the evaluation of the final result

Sample Description: DVE-20-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-20

LLI Sample # WW 6699090
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270C**		**ug/l**		**ug/l**	**ug/l**	
07805	Dibenz(a,h)anthracene	53-70-3	N.D.		0.1	0.5	1
07805	Fluoranthene	206-44-0	N.D.		0.1	0.5	1
07805	Fluorene	86-73-7	0.2	J	0.1	0.5	1
07805	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.1	0.5	1
07805	Naphthalene	91-20-3	280		1	5	10
07805	Phenanthrene	85-01-8	0.1	J	0.1	0.5	1
07805	Pyrene	129-00-0	N.D.		0.1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	16,000		250	500	5
Pesticides/PCBs	**SW-846 8082**		**ug/l**		**ug/l**	**ug/l**	
10227	PCB-1016	12674-11-2	N.D.		0.095	0.47	1
10227	PCB-1221	11104-28-2	N.D.		0.095	0.47	1
10227	PCB-1232	11141-16-5	N.D.		0.19	0.47	1
10227	PCB-1242	53469-21-9	N.D.		0.095	0.47	1
10227	PCB-1248	12672-29-6	N.D.		0.095	0.47	1
10227	PCB-1254	11097-69-1	N.D.		0.095	0.47	1
10227	PCB-1260	11096-82-5	N.D.		0.14	0.47	1
GC Miscellaneous	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Methane	74-82-8	9,700		500	1,500	100
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,400		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B modified**		**ug/l**		**ug/l**	**ug/l**	
10006	Motor Oil C16-C36 w/Si Gel	n.a.	160		39	120	1
10006	Total TPH w/Si Gel	n.a.	160		39	120	1
	TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <1%.						
Wet Chemistry	**EPA 300.0**		**ug/l**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		250	500	5
00228	Sulfate	14808-79-8	1,800	J	1,500	5,000	5
	SM20 3500 Fe B modified		**ug/l**		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	14,400		1,000	10,000	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-20-W-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-20

LLI Sample # WW 6699090
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBD20

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs by 8260B - Water	SW-846 8260B	1	W121872AA	07/05/2012 18:19	Emily R Styer	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W121872AA	07/05/2012 18:19	Emily R Styer	20
07805	PAHs 8270C Water	SW-846 8270C	1	12177WAI026	06/27/2012 10:31	Joseph M Gambler	1
07805	PAHs 8270C Water	SW-846 8270C	1	12177WAI026	06/28/2012 06:23	Brian K Graham	10
07807	BNA Water Extraction	SW-846 3510C	1	12177WAI026	06/26/2012 10:40	Denise L Trimby	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/29/2012 00:01	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/29/2012 00:01	Marie D John	5
10227	PCBs in Water 8082	SW-846 8082	1	121800007A	06/29/2012 23:04	Jessica L Miller	1
11117	PCB Waters Extraction	SW-846 3510C	1	121800007A	06/28/2012 13:00	Kelli M Barto	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	121840034A	07/04/2012 19:53	Elizabeth J Marin	100
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	121790025A	07/02/2012 16:32	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	121750014A	06/26/2012 05:34	Heather E Williams	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	121790025A	06/28/2012 09:10	Catherine R Wiker	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	121750014A	06/25/2012 10:00	Olivia Arosemena	1
00368	Nitrate Nitrogen	EPA 300.0	1	12175987901B	06/23/2012 15:32	Clinton M Wilson	5
00228	Sulfate	EPA 300.0	1	12175987901B	06/23/2012 15:32	Clinton M Wilson	5
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12178834401A	06/26/2012 23:30	Daniel S Smith	100

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-20-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-20

LLI Sample # WW 6699091
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**ug/l**	**ug/l**	**ug/l**	
07044	Antimony	7440-36-0	N.D.	3.5	20.0	1
07035	Arsenic	7440-38-2	233	6.8	20.0	1
07046	Barium	7440-39-3	83.9	0.33	5.0	1
07047	Beryllium	7440-41-7	N.D.	0.67	5.0	1
07049	Cadmium	7440-43-9	N.D.	0.36	5.0	1
07051	Chromium	7440-47-3	N.D.	1.1	15.0	1
07052	Cobalt	7440-48-4	N.D.	0.66	5.0	1
07053	Copper	7440-50-8	N.D.	2.1	10.0	1
07055	Lead	7439-92-1	N.D.	5.1	15.0	1
07060	Molybdenum	7439-98-7	N.D.	2.9	10.0	1
07061	Nickel	7440-02-0	N.D.	1.1	10.0	1
07036	Selenium	7782-49-2	N.D.	7.5	20.0	1
07066	Silver	7440-22-4	N.D.	1.2	5.0	1
07022	Thallium	7440-28-0	N.D.	5.7	30.0	1
07071	Vanadium	7440-62-2	N.D.	1.3	5.0	1
07072	Zinc	7440-66-6	3.6 J	2.0	20.0	1
	SW-846 7470A		**ug/l**	**ug/l**	**ug/l**	
00259	Mercury	7439-97-6	0.026 J	0.0081	0.20	1

General Sample Comments

State of California Lab Certification No. 2501
This sample was filtered in the lab for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07044	Antimony	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07035	Arsenic	SW-846 6010B	1	121781848002	06/28/2012 08:33	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07047	Beryllium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07052	Cobalt	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07053	Copper	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	121781848002	06/28/2012 08:33	Tara L Snyder	1
07060	Molybdenum	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07022	Thallium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1
07072	Zinc	SW-846 6010B	1	121781848002	06/28/2012 01:08	John W Yanzuk II	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: DVE-20-W-120621 Filtered NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 DVE-20

LLI Sample # WW 6699091
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 14:20 by PH

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00259	Mercury	SW-846 7470A	1	121785713001	06/27/2012 10:14	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	121781848002	06/27/2012 13:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	121785713001	06/26/2012 14:47	Nelli S Markaryan	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: QA-T-120621 NA Water
Facility# 90260 BTST
21995 Foothill-Hayward T0600100315 QA

LLI Sample # WW 6699092
LLI Group # 1317852
Account # 10991

Project Name: 90260

Collected: 06/21/2012 08:00

Submitted: 06/22/2012 09:25
Reported: 07/11/2012 19:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121821AA	06/30/2012 17:04	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121821AA	06/30/2012 17:04	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12179A07A	06/28/2012 14:02	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12179A07A	06/28/2012 14:02	Marie D John	1

*=This limit was used in the evaluation of the final result

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D121821AA	Sample number(s): 6699092								
Benzene	N.D.	0.5	1	ug/l	104		77-121		
Ethylbenzene	N.D.	0.5	1	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	95		68-121		
Toluene	N.D.	0.5	1	ug/l	101		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	97		77-120		
Batch number: W121871AA	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084,6699086								
Benzene	N.D.	0.5	4	ug/l	101	92	77-121	10	30
Bromodichloromethane	N.D.	1.	5	ug/l	105	96	73-120	9	30
Bromoform	N.D.	1.	5	ug/l	97	90	61-120	7	30
Bromomethane	N.D.	1.	5	ug/l	84	84	44-120	0	30
Carbon Tetrachloride	N.D.	1.	5	ug/l	120	107	67-122	11	30
Chlorobenzene	N.D.	0.8	5	ug/l	103	96	80-120	8	30
Chloroethane	N.D.	1.	5	ug/l	69	73	49-129	4	30
Chloroform	N.D.	0.8	5	ug/l	113	104	77-122	8	30
Chloromethane	N.D.	1.	5	ug/l	59*	59*	60-129	1	30
Dibromochloromethane	N.D.	1.	5	ug/l	105	97	72-120	8	30
1,2-Dichlorobenzene	N.D.	1.	5	ug/l	99	95	80-120	5	30
1,3-Dichlorobenzene	N.D.	1.	5	ug/l	99	92	80-120	7	30
1,4-Dichlorobenzene	N.D.	1.	5	ug/l	100	93	80-120	8	30
1,1-Dichloroethane	N.D.	1.	5	ug/l	105	96	79-120	9	30
1,2-Dichloroethane	N.D.	0.5	4	ug/l	135*	124	64-130	8	30
1,1-Dichloroethene	N.D.	0.8	5	ug/l	92	85	80-120	8	30
cis-1,2-Dichloroethene	N.D.	0.8	5	ug/l	101	93	80-120	8	30
trans-1,2-Dichloroethene	N.D.	0.8	5	ug/l	100	92	80-120	8	30
1,2-Dichloropropane	N.D.	1.	5	ug/l	90	83	80-120	7	30
cis-1,3-Dichloropropene	N.D.	1.	5	ug/l	102	95	78-120	7	30
trans-1,3-Dichloropropene	N.D.	1.	5	ug/l	103	96	79-120	7	30
Ethylbenzene	N.D.	0.5	4	ug/l	102	94	79-120	8	30
Freon 113	N.D.	2.	10	ug/l	107	96	69-128	10	30
Methyl Tertiary Butyl Ether	N.D.	0.5	4	ug/l	111	101	68-121	10	30
Methylene Chloride	N.D.	2.	5	ug/l	94	87	80-126	8	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5	ug/l	96	93	75-123	4	30
Tetrachloroethene	N.D.	0.8	5	ug/l	112	102	79-120	9	30
Toluene	N.D.	0.5	4	ug/l	106	96	79-120	10	30
1,1,1-Trichloroethane	N.D.	0.8	5	ug/l	115	105	70-121	9	30
1,1,2-Trichloroethane	N.D.	0.8	5	ug/l	101	93	80-120	8	30
Trichloroethene	N.D.	1.	5	ug/l	104	95	80-120	9	30
Trichlorofluoromethane	N.D.	2.	5	ug/l	120	121	56-128	1	30
Vinyl Chloride	N.D.	1.	5	ug/l	75	76	56-123	2	30
m+p-Xylene	N.D.	0.5	4	ug/l	100	91	77-120	9	30
o-Xylene	N.D.	0.5	4	ug/l	101	92	77-120	8	30

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W121872AA	Sample number(s): 6699082,6699088,6699090								
Benzene	N.D.	0.5	4	ug/l	95	97	77-121	2	30
Bromodichloromethane	N.D.	1.	5	ug/l	97	100	73-120	3	30
Bromoform	N.D.	1.	5	ug/l	91	93	61-120	2	30
Bromomethane	N.D.	1.	5	ug/l	77	83	44-120	7	30
Carbon Tetrachloride	N.D.	1.	5	ug/l	105	110	67-122	4	30
Chlorobenzene	N.D.	0.8	5	ug/l	100	102	80-120	1	30
Chloroethane	N.D.	1.	5	ug/l	67	67	49-129	0	30
Chloroform	N.D.	0.8	5	ug/l	103	107	77-122	4	30
Chloromethane	N.D.	1.	5	ug/l	55*	60	60-129	10	30
Dibromochloromethane	N.D.	1.	5	ug/l	99	101	72-120	2	30
1,2-Dichlorobenzene	N.D.	1.	5	ug/l	94	96	80-120	3	30
1,3-Dichlorobenzene	N.D.	1.	5	ug/l	92	94	80-120	2	30
1,4-Dichlorobenzene	N.D.	1.	5	ug/l	91	95	80-120	4	30
1,1-Dichloroethane	N.D.	1.	5	ug/l	98	101	79-120	3	30
1,2-Dichloroethane	N.D.	0.5	4	ug/l	123	128	64-130	4	30
1,1-Dichloroethene	N.D.	0.8	5	ug/l	87	85	80-120	2	30
cis-1,2-Dichloroethene	N.D.	0.8	5	ug/l	94	95	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5	ug/l	92	97	80-120	5	30
1,2-Dichloropropane	N.D.	1.	5	ug/l	86	89	80-120	4	30
cis-1,3-Dichloropropene	N.D.	1.	5	ug/l	96	100	78-120	4	30
trans-1,3-Dichloropropene	N.D.	1.	5	ug/l	98	102	79-120	3	30
Ethylbenzene	N.D.	0.5	4	ug/l	98	101	79-120	2	30
Freon 113	N.D.	2.	10	ug/l	91	94	69-128	4	30
Methyl Tertiary Butyl Ether	N.D.	0.5	4	ug/l	102	107	68-121	4	30
Methylene Chloride	N.D.	2.	5	ug/l	91	92	80-126	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5	ug/l	88	94	75-123	7	30
Tetrachloroethene	N.D.	0.8	5	ug/l	103	104	79-120	2	30
Toluene	N.D.	0.5	4	ug/l	100	101	79-120	0	30
1,1,1-Trichloroethane	N.D.	0.8	5	ug/l	109	113	70-121	3	30
1,1,2-Trichloroethane	N.D.	0.8	5	ug/l	96	98	80-120	3	30
Trichloroethene	N.D.	1.	5	ug/l	98	99	80-120	1	30
Trichlorofluoromethane	N.D.	2.	5	ug/l	107	109	56-128	2	30
Vinyl Chloride	N.D.	1.	5	ug/l	67	71	56-123	7	30
m+p-Xylene	N.D.	0.5	4	ug/l	97	100	77-120	2	30
o-Xylene	N.D.	0.5	4	ug/l	94	98	77-120	4	30
Batch number: 12175WAI026	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084								
Acenaphthene	N.D.	0.1	0.5	ug/l	98	98	75-114	0	30
Acenaphthylene	N.D.	0.1	0.5	ug/l	114	115	80-122	1	30
Anthracene	N.D.	0.1	0.5	ug/l	102	103	76-115	1	30
Benzo(a)anthracene	N.D.	0.1	0.5	ug/l	103	106	75-116	3	30
Benzo(a)pyrene	N.D.	0.1	0.5	ug/l	99	101	64-126	2	30
Benzo(b)fluoranthene	N.D.	0.1	0.5	ug/l	94	99	66-125	5	30
Benzo(g,h,i)perylene	N.D.	0.1	0.5	ug/l	105	107	66-132	2	30
Benzo(k)fluoranthene	N.D.	0.1	0.5	ug/l	115	119	66-131	3	30
Chrysene	N.D.	0.1	0.5	ug/l	101	105	76-116	4	30
Dibenz(a,h)anthracene	N.D.	0.1	0.5	ug/l	108	109	67-131	1	30
Fluoranthene	N.D.	0.1	0.5	ug/l	106	111	76-119	4	30
Fluorene	N.D.	0.1	0.5	ug/l	103	105	76-116	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5	ug/l	105	106	69-121	1	30
Naphthalene	N.D.	0.1	0.5	ug/l	93	94	70-111	1	30
Phenanthrene	N.D.	0.1	0.5	ug/l	98	99	76-113	1	30
Pyrene	N.D.	0.1	0.5	ug/l	100	103	75-119	3	30
Batch number: 12177WAI026	Sample number(s): 6699086,6699088,6699090								

*- Outside of specification
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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acenaphthene	N.D.	0.1	0.5	ug/l	96	96	75-114	0	30
Acenaphthylene	N.D.	0.1	0.5	ug/l	116	115	80-122	1	30
Anthracene	N.D.	0.1	0.5	ug/l	100	99	76-115	1	30
Benzo(a)anthracene	N.D.	0.1	0.5	ug/l	106	105	75-116	1	30
Benzo(a)pyrene	N.D.	0.1	0.5	ug/l	100	97	64-126	3	30
Benzo(b)fluoranthene	N.D.	0.1	0.5	ug/l	104	102	66-125	2	30
Benzo(g,h,i)perylene	N.D.	0.1	0.5	ug/l	107	102	66-132	5	30
Benzo(k)fluoranthene	N.D.	0.1	0.5	ug/l	107	101	66-131	6	30
Chrysene	N.D.	0.1	0.5	ug/l	100	98	76-116	2	30
Dibenz(a,h)anthracene	N.D.	0.1	0.5	ug/l	110	104	67-131	5	30
Fluoranthene	N.D.	0.1	0.5	ug/l	110	109	76-119	1	30
Fluorene	N.D.	0.1	0.5	ug/l	106	104	76-116	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.1	0.5	ug/l	109	104	69-121	4	30
Naphthalene	N.D.	0.1	0.5	ug/l	93	93	70-111	1	30
Phenanthrene	N.D.	0.1	0.5	ug/l	97	96	76-113	2	30
Pyrene	N.D.	0.1	0.5	ug/l	99	97	75-119	3	30
Batch number: 12178B07A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	118	118	75-135	0	30
Batch number: 12179A07A	Sample number(s): 6699082,6699084,6699086,6699088,6699090,6699092								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	127	118	75-135	7	30
Batch number: 121790009A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084,6699086								
PCB-1016	N.D.	0.10	0.50	ug/l	92		51-128		
PCB-1221	N.D.	0.10	0.50	ug/l					
PCB-1232	N.D.	0.20	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.10	0.50	ug/l					
PCB-1260	N.D.	0.15	0.50	ug/l	94		56-135		
Batch number: 121800007A	Sample number(s): 6699088,6699090								
PCB-1016	N.D.	0.10	0.50	ug/l	96	96	51-128	0	30
PCB-1221	N.D.	0.10	0.50	ug/l					
PCB-1232	N.D.	0.20	0.50	ug/l					
PCB-1242	N.D.	0.10	0.50	ug/l					
PCB-1248	N.D.	0.10	0.50	ug/l					
PCB-1254	N.D.	0.10	0.50	ug/l					
PCB-1260	N.D.	0.15	0.50	ug/l	94	94	56-135	0	30
Batch number: 121840034A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084,6699086,6699088,6699090								
Methane	N.D.	5.0	15	ug/l	98		80-120		
Batch number: 121750014A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084,6699086,6699088,6699090								
Motor Oil C16-C36 w/Si Gel	N.D.	40.	120	ug/l					
Total TPH w/Si Gel	N.D.	40.	120	ug/l	75	79	50-129	5	20
Batch number: 121790025A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,669907								

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	8,6699080,6699082,6699084,6699086,6699088,6699090								
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	100	ug/l	69	69	50-118	0	20
Batch number: 121781848002	Sample number(s): 6699061,6699063,6699065,6699067,6699069,6699071,6699073,6699075,6699077,6699079,6699081,6699083,6699085,6699087,6699089,6699091								
Antimony	N.D.	3.5	20.0	ug/l	106		88-111		
Arsenic	N.D.	6.8	20.0	ug/l	104		80-120		
Barium	N.D.	0.33	5.0	ug/l	100		90-110		
Beryllium	N.D.	0.67	5.0	ug/l	98		88-110		
Cadmium	N.D.	0.36	5.0	ug/l	105		90-112		
Chromium	N.D.	1.1	15.0	ug/l	102		90-110		
Cobalt	N.D.	0.66	5.0	ug/l	103		90-110		
Copper	N.D.	2.1	10.0	ug/l	103		90-112		
Lead	N.D.	5.1	15.0	ug/l	106		88-110		
Molybdenum	N.D.	2.9	10.0	ug/l	108		90-110		
Nickel	N.D.	1.1	10.0	ug/l	104		90-111		
Selenium	N.D.	7.5	20.0	ug/l	100		80-120		
Silver	N.D.	1.2	5.0	ug/l	104		80-120		
Thallium	N.D.	5.7	30.0	ug/l	109		85-113		
Vanadium	N.D.	1.3	5.0	ug/l	102		90-110		
Zinc	N.D.	2.0	20.0	ug/l	99		90-110		
Batch number: 121785713001	Sample number(s): 6699061,6699063,6699065,6699067,6699069,6699071,6699073,6699075,6699077,6699079,6699081,6699083,6699085,6699087,6699089,6699091								
Mercury	0.026 J	0.0081	0.20	ug/l	90		80-120		
Batch number: 12175987901A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078								
Nitrate Nitrogen	N.D.	50.	100	ug/l	101		90-110		
Sulfate	N.D.	300.	1,000	ug/l	102		90-110		
Batch number: 12175987901B	Sample number(s): 6699080,6699082,6699084,6699086,6699088,6699090								
Nitrate Nitrogen	N.D.	50.	100	ug/l	101		90-110		
Sulfate	N.D.	300.	1,000	ug/l	102		90-110		
Batch number: 12178834401A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078,6699080,6699082,6699084,6699086,6699088,6699090								
Ferrous Iron	N.D.	10.	100	ug/l	100		93-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D121821AA	Sample number(s): 6699092 UNSPK: P698461								
Benzene	99	105	72-134	4	30				
Ethylbenzene	91	97	71-134	4	30				
Methyl Tertiary Butyl Ether	91	91	72-126	0	30				

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Toluene	96	98	80-125	2	30				
Xylene (Total)	93	97	79-125	4	30				
Batch number: 121790009A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078, 6699080,6699082,6699084,6699086 UNSPK: P698237								
PCB-1016	17*	17*	48-125	5	30				
PCB-1260	8*	9*	54-127	10	30				
Batch number: 121840034A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078, 6699080,6699082,6699084,6699086,6699088,6699090 UNSPK: 6699060								
Methane	-999 (2)	-999 (2)	35-157	0	20				
Batch number: 121781848002	Sample number(s): 6699061,6699063,6699065,6699067,6699069,6699071,6699073,6699075,6699077,6699079, 6699081,6699083,6699085,6699087,6699089,6699091 UNSPK: P700906 BKG: P700906								
Antimony	106	105	87-122	1	20	N.D.	N.D.	0 (1)	20
Arsenic	103	103	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	100	101	78-118	1	20	51.0	52.2	2	20
Beryllium	98	98	87-114	0	20	N.D.	N.D.	0 (1)	20
Cadmium	104	103	83-116	0	20	N.D.	N.D.	0 (1)	20
Chromium	101	101	81-120	0	20	4.2 J	3.9 J	8 (1)	20
Cobalt	102	104	87-112	1	20	1.8 J	2.0 J	7 (1)	20
Copper	104	104	86-122	0	20	4.6 J	4.9 J	8 (1)	20
Lead	106	106	75-125	0	20	N.D.	N.D.	0 (1)	20
Molybdenum	108	110	89-112	2	20	3.0 J	N.D.	200* (1)	20
Nickel	102	103	86-115	1	20	15.6	15.4	2 (1)	20
Selenium	100	101	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	102	103	75-125	1	20	N.D.	N.D.	0 (1)	20
Thallium	109	109	83-116	0	20	N.D.	N.D.	0 (1)	20
Vanadium	101	102	90-111	0	20	4.7 J	4.9 J	4 (1)	20
Zinc	99	100	85-117	1	20	47.9	49.2	3 (1)	20
Batch number: 121785713001	Sample number(s): 6699061,6699063,6699065,6699067,6699069,6699071,6699073,6699075,6699077,6699079, 6699081,6699083,6699085,6699087,6699089,6699091 UNSPK: 6699075 BKG: 6699075								
Mercury	88	73*	80-120	18	20	0.020 J	0.024 J	19 (1)	20
Batch number: 12175987901A	Sample number(s): 6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078 UNSPK: 6699062 BKG: 6699062								
Nitrate Nitrogen	100		90-110			N.D.	N.D.	0 (1)	20
Sulfate	94		90-110			2,100 J	1,900 J	13 (1)	20
Batch number: 12175987901B	Sample number(s): 6699080,6699082,6699084,6699086,6699088,6699090 UNSPK: 6699086 BKG: 6699086								
Nitrate Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Sulfate	107		90-110			45,400	45,800	1	20
Batch number: 12178834401A	Sample number(s):								

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
	6699060,6699062,6699064,6699066,6699068,6699070,6699072,6699074,6699076,6699078, 6699080,6699082,6699084,6699086,6699088,6699090 UNSPK: 6699090 BKG: 6699090								
Ferrous Iron	93	97	81-112	3	6	14,400	14,600	1 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs by 8260B - Water
Batch number: D121821AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6699092	108	102	97	94
Blank	107	99	96	94
LCS	101	96	96	103
MS	102	98	99	103
MSD	99	97	96	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs by 8260B - Water
Batch number: W121871AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6699060	109	100	105	104
6699062	109	101	103	105
6699064	107	102	102	102
6699066	109	105	103	103
6699068	109	103	103	104
6699070	110	101	103	103
6699072	106	102	103	105
6699074	110	104	102	108
6699076	108	101	103	104
6699078	109	104	102	104
6699080	107	102	104	103
6699082	105	93	102	101
6699084	108	101	103	103
6699086	108	101	105	104
Blank	108	101	101	103
LCS	109	99	102	104
LCSD	110	104	103	104
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs by 8260B - Water
Batch number: W121872AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6699088	109	103	105	105

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Surrogate Quality Control

6699090	108	100	103	103
Blank	107	104	102	102
LCS	106	101	105	105
LCSD	108	102	105	105
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs 8270C Water
Batch number: 12175WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
6699060	84	80	83
6699062	85	80	85
6699064	94	85	87
6699066	104	96	98
6699068	102	89	95
6699070	97	84	87
6699072	103	92	99
6699074	99	88	92
6699076	94	84	94
6699078	95	88	93
6699080	57	50*	55
6699082	94	84	79
6699084	101	92	92
Blank	90	94	98
LCS	95	98	102
LCSD	95	97	104
Limits:	52-120	63-114	34-118

Analysis Name: PAHs 8270C Water
Batch number: 12177WAI026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
6699086	102	90	100
6699088	106	90	105
6699090	102	94	101
Blank	106	99	108
LCS	104	97	104
LCSD	100	94	100
Limits:	52-120	63-114	34-118

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12178B07A

	Trifluorotoluene-F
6699060	93
6699062	90
6699064	87
6699066	87
6699068	92
6699070	125
6699072	107
6699074	115
6699076	97
6699078	100

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Surrogate Quality Control

6699080	100
Blank	89
LCS	99
LCSD	101
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12179A07A

	Trifluorotoluene-F
6699082	107
6699084	96
6699086	104
6699088	96
6699090	116
6699092	98
Blank	89
LCS	100
LCSD	99
Limits:	63-135

Analysis Name: PCBs in Water 8082
Batch number: 121790009A

	Tetrachloro-m-xylene	Decachlorobiphenyl
6699060	101	56
6699062	92	52
6699064	114	56
6699066	108	51
6699068	95	68
6699070	103	92
6699072	109	75
6699074	101	60
6699076	101	70
6699078	106	65
6699080	90	84
6699082	85	36
6699084	117	54
6699086	102	74
Blank	98	92
LCS	105	86
MS	25*	6*
MSD	26*	7*
Limits:	55-132	36-153

Analysis Name: PCBs in Water 8082
Batch number: 121800007A

	Tetrachloro-m-xylene	Decachlorobiphenyl
6699088	104	48
6699090	89	52
Blank	110	101
LCS	109	101
LCSD	106	100

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Surrogate Quality Control

Limits:	55-132	36-153

Analysis Name: TPH Fuels water w/Si Gel
Batch number: 121750014A

	Chlorobenzene	Orthoterphenyl
6699060	66	82
6699062	48	84
6699064	70	84
6699066	47	56
6699068	71	97
6699070	58	83
6699072	77	84
6699074	85	85
6699076	79	92
6699078	56	70
6699080	11*	107
6699082	52	71
6699084	56	82
6699086	54	75
6699088	46	71
6699090	68	79
Blank	48	72
LCS	64	92
LCSD	58	95
Limits:	28-152	52-131

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 121790025A

	Orthoterphenyl
6699060	71
6699062	94
6699064	67
6699066	79
6699068	84
6699070	83
6699072	79
6699074	95
6699076	102
6699078	78
6699080	94
6699082	64
6699084	56
6699086	100
6699088	56
6699090	77
Blank	64
LCS	67
LCSD	67
Limits:	50-154

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 121840034A

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Quality Control Summary

Client Name: Chevron Group Number: 1317852
Reported: 07/11/12 at 07:27 PM

Surrogate Quality Control

	Propene
6699060	96
6699062	95
6699064	57
6699066	45
6699068	93
6699070	91
6699072	95
6699074	95
6699076	89
6699078	54
6699080	91
6699082	70
6699084	78
6699086	89
6699088	90
6699090	84
Blank	91
LCS	88
MS	48
MSD	57
Limits:	42-131

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

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ▪ 6111 Bollinger Canyon Rd.▪ San Ramon, CA 94583 COC 1 of 2

Chevron Site Number: 90260

Chevron Site Global ID: T0600100315

Chevron Site Address: 21995 Foothill Blvd, Hayward, CA

Chevron PM: CATALINA DEVINE

Chevron PM Phone No.: (925)790-3949

☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: CRA

Address: 5900 Hollis St. Suite A Emeryville, CA

Consultant Contact: Nathan Lee

Consultant Phone No. 510-420-3333

Consultant Project No. 120621-PH1

Sampling Company: Blaine Tech Services

Sampled By (Print): Patrick Hauw

Sampler Signature:

Charge Code: NWRTB-0090260-0-OML
NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories

☒ Lancaster, PA
Lab Contact: Jill Parker

2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
1400	4°
1505	4°
1600	4°

ANALYSES REQUIRED

| SAMPLE ID | | |

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd.■ San Ramon, CA 94583 COC 2 of 2

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☒ Lancaster, PA
Lab Contact: Jill Parker
2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
0800	4°
0980	4°
1000	4°
1100	4°
1200	4°
1300	4°

ANALYSES REQUIRED

Preservation Codes
H =HCL T= Thiosulfate
N =HNO_3 B = NaOH
S = H_2SO_4 O = Other
acct#10991
Cap# 1317852
sample# 6699060-42

Special Instructions
Must meet lowest detection limits possible for 8260 Compounds

SAMPLE ID							EPA 8260B/GC/MS TPH-G☐ BTEX☒ MTBE☒ OXYGENATES☐ HVOC☐	EPA 8015B GRO☒ DRO☐ ORO☐ HC SCREEN☐	EPA-8021B BTEX☐ MTBE☐ PCBs (8082) PAHs (8270)	EPA 6010 Ca, Fe, K, Mg, Mn, Na Chlorinated Hydrocarbons	EPA6010/7000 TITLE 22 METALS☐ TTLC☐ STLC☐	EPA460.1 PHG TPH-MO w/ SGC EPA 310.1 ALKALINITY☐	SM2510B SPECIFIC CONDUCTIVITY WET Metals (CAM-17 metals)	EPA 418.1 TRPH☐ EPA 413.1 OIL & GREASE☐	EPA 8260 Methane EPA 8015 TPHD Ferrous Iron	Sulfate / Nitrogen Nitrate as Nitrogen	Notes/Comments
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type											
MW-18	W		120621	1150	16	various	X	X	X	X		X	X		X	X	X	DRO w/ silica and dissolved metals per D. Becker. gmp 6/25/12
MW-19				1050	16		X	X	X	X		X	X		X	X	X	
P-1				0940	16		X	X	X	X		X	X		X	X	X	
DVE-9				1530	17		X	X	X	X		X	X		X	X	X	
DVE-12				1500	16		X	X	X	X		X	X		X	X	X	
DVE-20	↓			1420	16	↓	X	X	X	X		X	X		X	X	X	
QA	T		↓	0800	4	VOA	X	X										

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	6/21/12 1610		LLI	6/21/12 1610
	LLI	6/21/12 1632		FE	
				LLI	6.22.12 925
					6/22/12 1740

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 1.1-2.6 COC #

0.9-2.8

eurofins | Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

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

< 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

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.

Data Qualifiers:

C – result confirmed by reanalysis.

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

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 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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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

APPENDIX E

TREND AND DEGRADATION RATE CALCULATION GRAPHS

Table A - Summary of Degradation Rate Calculations
Former Chevron Station 90260, 21995 Foothill Boulevard, Fremont, California

Well	Analyte	Maximum Concentration (ug/L)	Maximum Concentration Post Remediation (ug/L)	Last Recorded Concentration (ug/L)	Half-Life (years)	Date to Reach ESL	Years to Reach ESL
MW-4	TPHg	1,300,000	19,000	7,600	1.25	Jul 2019	7
	Benzene	45,000	35	3	NA	At ESL	At ESL
	MTBE	290,000	2	< 1	NA	At ESL	At ESL
MW-5	TPHg	1,100,000	110,000	99,000	NA	Stable	Stable
	Benzene	64,000	940	190	0.92	Feb 2019	6
	MTBE	8,500	10	< 25	NA	At ESL	At ESL
MW-7	TPHg	330,000	< 50	< 50	NA	At ESL	At ESL
	Benzene	41,000	< 0.5	< 0.5	NA	At ESL	At ESL
	MTBE	21,000	140	140	NA	Increasing	Increasing
MW-8	TPHg	290,000	52,000	8,300	0.79	Sep 2017	5
	Benzene	27,000	14	1	NA	At ESL	At ESL
	MTBE	3,600	< 5	< 1	NA	At ESL	At ESL
MW-9	TPHg	220,000	3,700	3,700	NA	Increasing	Increasing
	Benzene	3,300	2	< 1	NA	At ESL	At ESL
	MTBE	510	< 1.0	< 0.5	NA	At ESL	At ESL
MW-11	TPHg	340,000	2,400	2,400	NA	Increasing	Increasing
	Benzene	36,000	12	12	NA	Increasing	Increasing
	MTBE	6,900	2	< 1	NA	At ESL	At ESL
MW-12	TPHg	2,400,000	8,500	2,500	2.80	Jun 2026	14
	Benzene	53,000	410	71	0.77	Aug 2017	5
	MTBE	66,000	72	34	1.15	Feb 2015	2
MW-13	TPHg	120,000	6,300	5,600	NA	Increasing	Increasing
	Benzene	12,000	12	12	NA	Increasing	Increasing
	MTBE	310	< 3	< 1	NA	At ESL	At ESL
MW-14	TPHg	9,900	2,500	2,100	NA	Stable	Stable
	Benzene	1,400	55	18	NA	Stable	Stable
	MTBE	250	< 0.5	< 0.5	NA	At ESL	At ESL
MW-16	TPHg	71,000	30,000	6,800	2.23	Jul 2025	13
	Benzene	9,700	1,500	130	0.98	Jul 2018	6
	MTBE	1,000	8	5	NA	At ESL	At ESL
MW-18	TPHg	93,000	26,000	20,000	5.42	Aug 2053	41
	Benzene	8,600	78	24	1.37	Jul 2018	6
	MTBE	1,900	5	< 5	NA	At ESL	At ESL
MW-19	TPHg	32,000	32,000	16,000	NA	Increasing	Increasing
	Benzene	10,000	10,000	5,000	NA	Increasing	Increasing
	MTBE	180	180	180	NA	Increasing	Increasing
P-1	TPHg	310	160	< 50	NA	At ESL	At ESL
	Benzene	31	8	1	NA	At ESL	At ESL
	MTBE	20	18	11	4.15	May 2017	5
DVE-9	TPHg	80,000	12,000	5,600	1.52	Nov 2020	8
	Benzene	3,400	920	100	0.57	Apr 2016	4
	MTBE	370	180	66	1.55	Mar 2018	6
DVE-12	TPHg	120,000	46,000	41,000	NA	Increasing	Increasing
	Benzene	38,000	910	360	1.55	Jul 2025	13
	MTBE	210	53	13	1.04	Aug 2013	1
DVE-20	TPHg	64,000	20,000	16,000	NA	Increasing	Increasing
	Benzene	1,500	110	40	1.51	Jun 2020	8
	MTBE	19	1	< 10	NA	At ESL	At ESL

Notes & Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
µg/L = Micrograms per liter
ESL = Environmental Screening Level
NA = Not Applicable
< = less than (the detection limit)

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-4

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	5.67E+30	NA	NA
Constant:	a	-1.52E-03	NA	NA
Starting date for current trend:		5/20/2010	NA	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	1.25	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Jul 2019	At ESL	At ESL

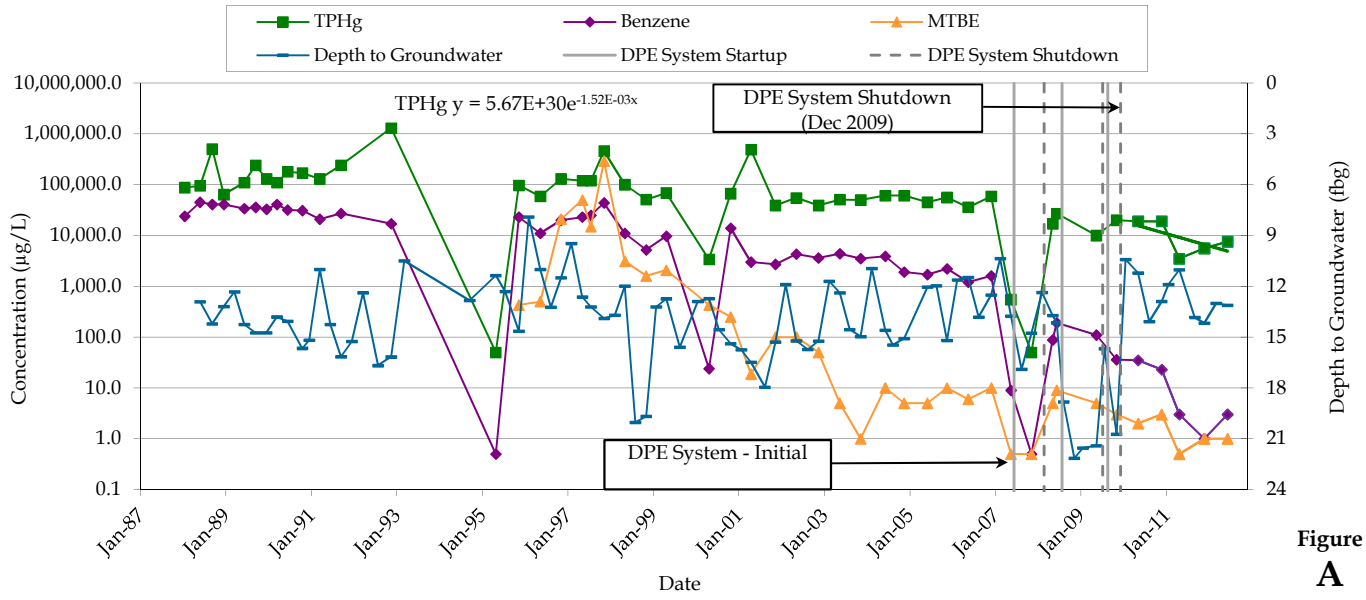


Figure A

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-4: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-5

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	NA	7.27E+38	NA
Constant:		a	NA	-2.06E-03	NA
Starting date for current trend:			NA	5/20/2010	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	0.92	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Stable	Feb 2019	At ESL

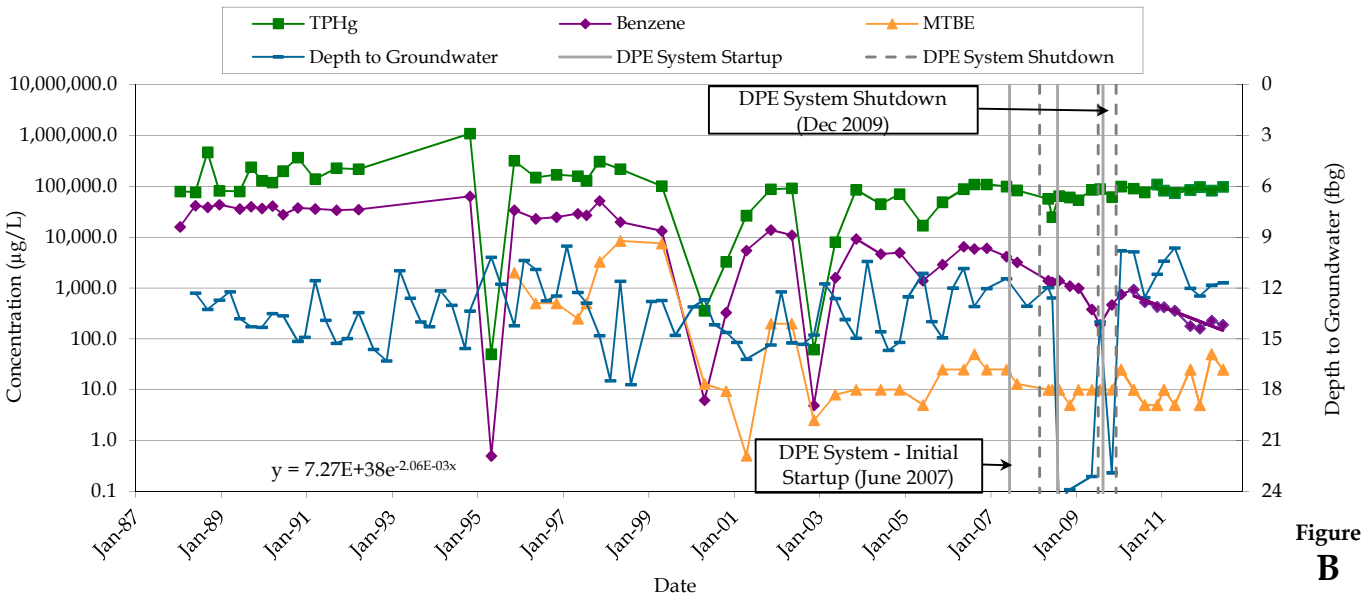


Figure B

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-5: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-7

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	NA	NA	NA
Constant:		a	NA	NA	NA
Starting date for current trend:			NA	NA	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		At ESL	At ESL	Increasing

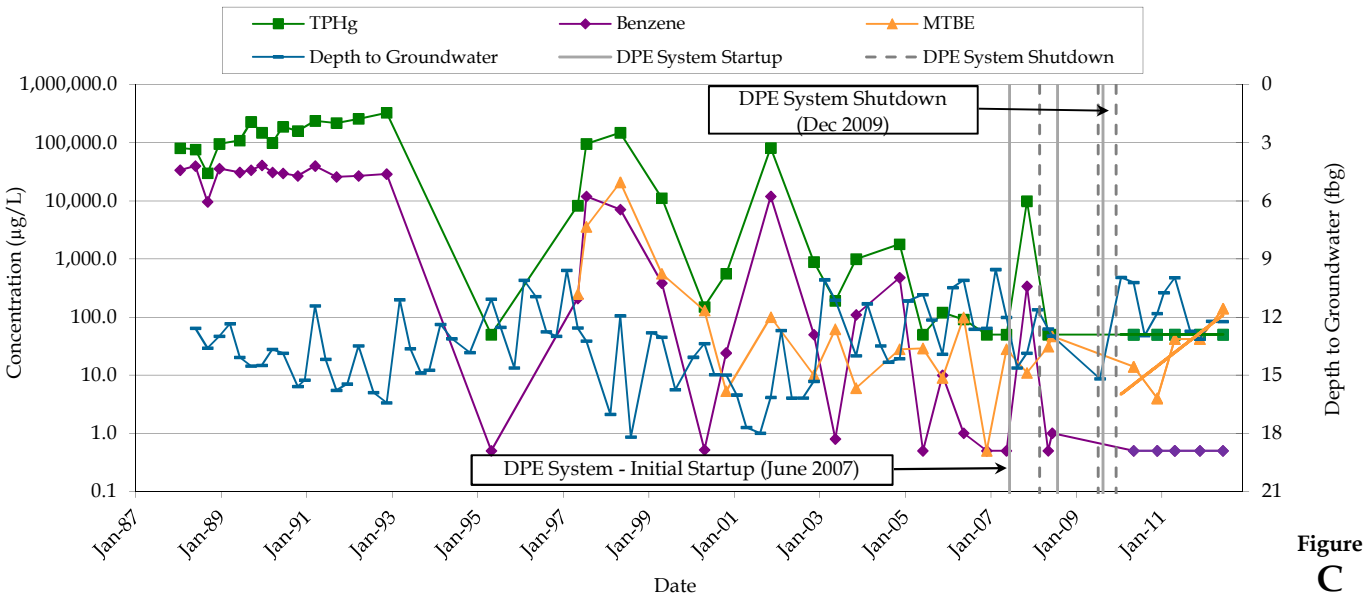


Figure C

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-7: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-8

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	5.88E+46	NA	NA
Constant:		a	-2.40E-03	NA	NA
Starting date for current trend:			12/7/2010	NA	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		0.79	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Sep 2017	At ESL	At ESL

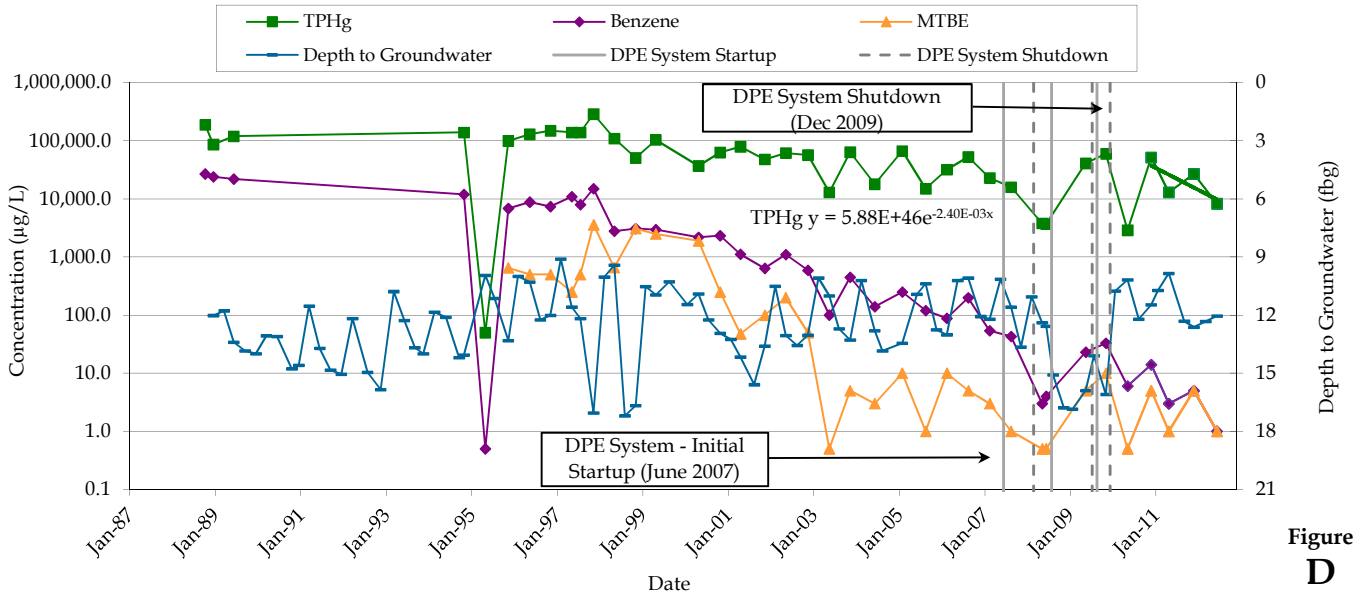


Figure D

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-8: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-9

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	NA	NA	NA
Constant:	a	NA	NA	NA
Starting date for current trend:		NA	NA	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Increasing	At ESL	At ESL

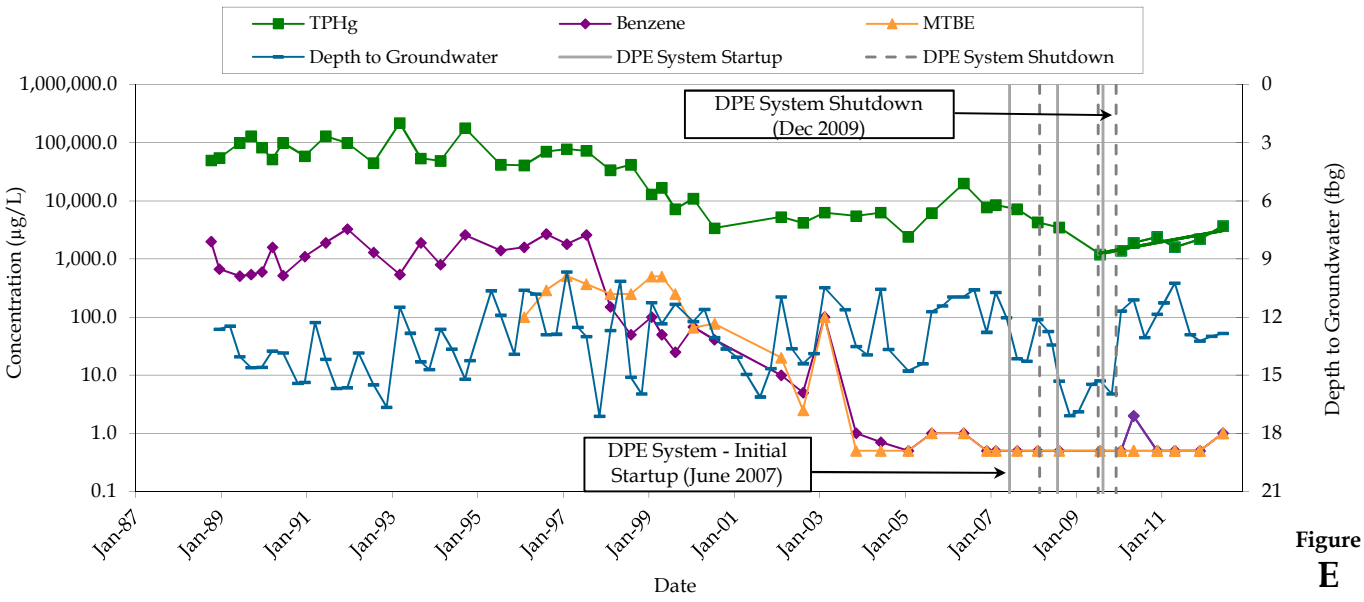


Figure E

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-9: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-11

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	NA	NA	NA
Constant:		a	NA	NA	NA
Starting date for current trend:			NA	NA	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Increasing	Increasing	At ESL

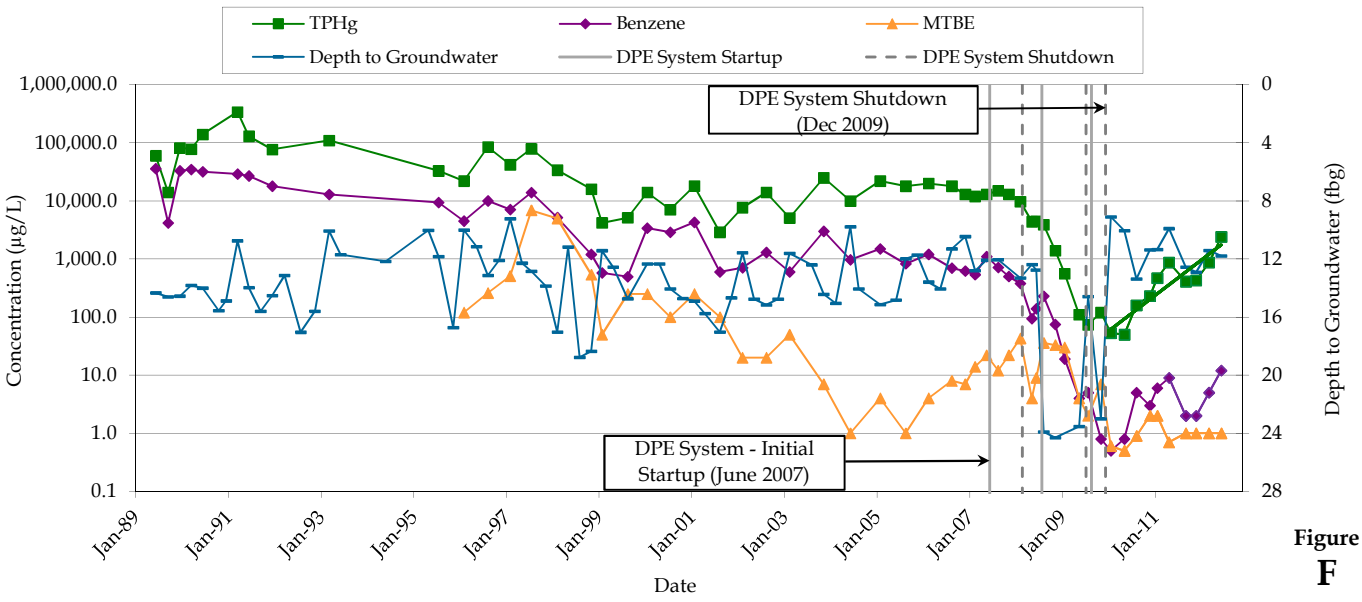


Figure F

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-11: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-12

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	3.78E+15	1.55E+46	7.06E+30
Constant:		a	-6.77E-04	-2.48E-03	-1.65E-03
Starting date for current trend:			2/2/2010	2/3/2011	8/23/2010
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		2.80	0.77	1.15
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Jun 2026	Aug 2017	Feb 2015

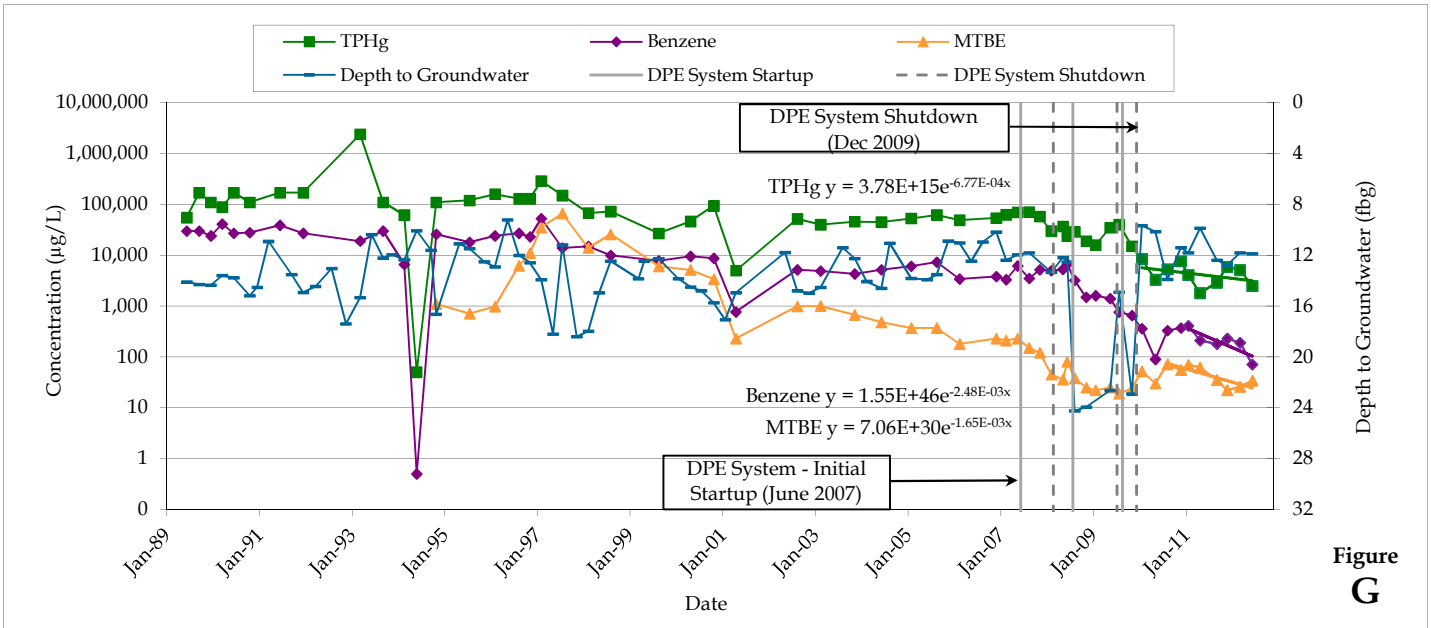


Figure G

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-12: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-13

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	NA	NA	NA
Constant:	a	NA	NA	NA
Starting date for current trend:		NA	NA	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Increasing	Increasing	At ESL

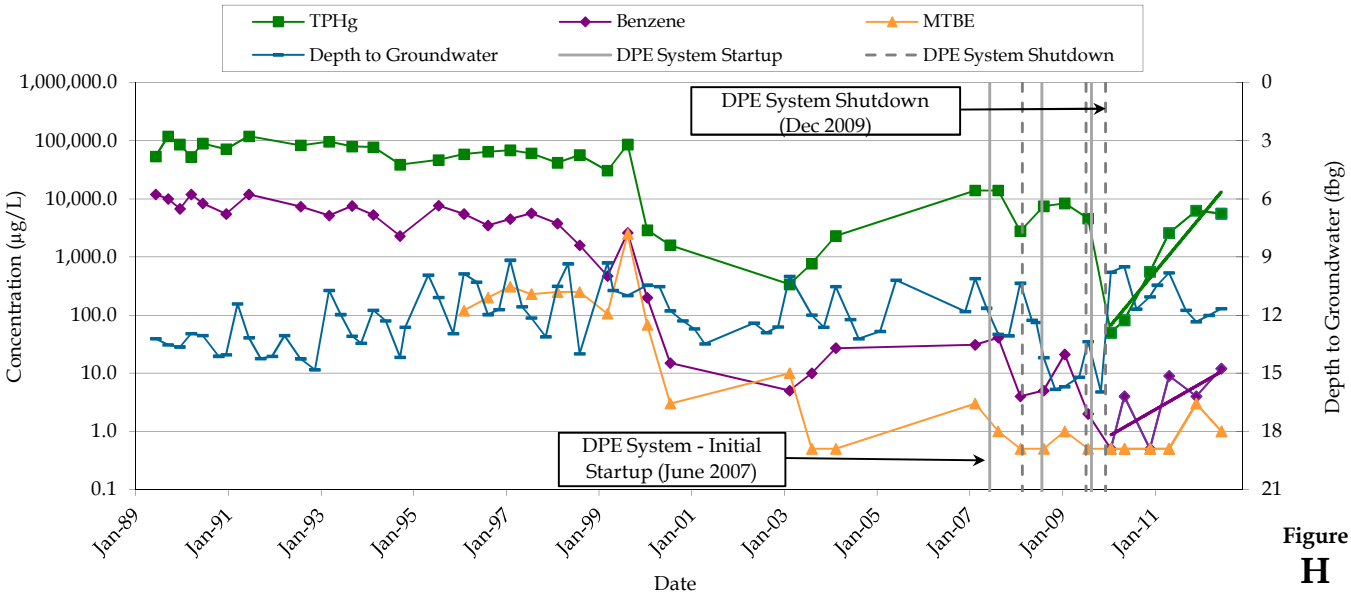


Figure H

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-13: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-14

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	NA	NA	NA
Constant:	a	NA	NA	NA
Starting date for current trend:		NA	NA	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Stable	Stable	At ESL

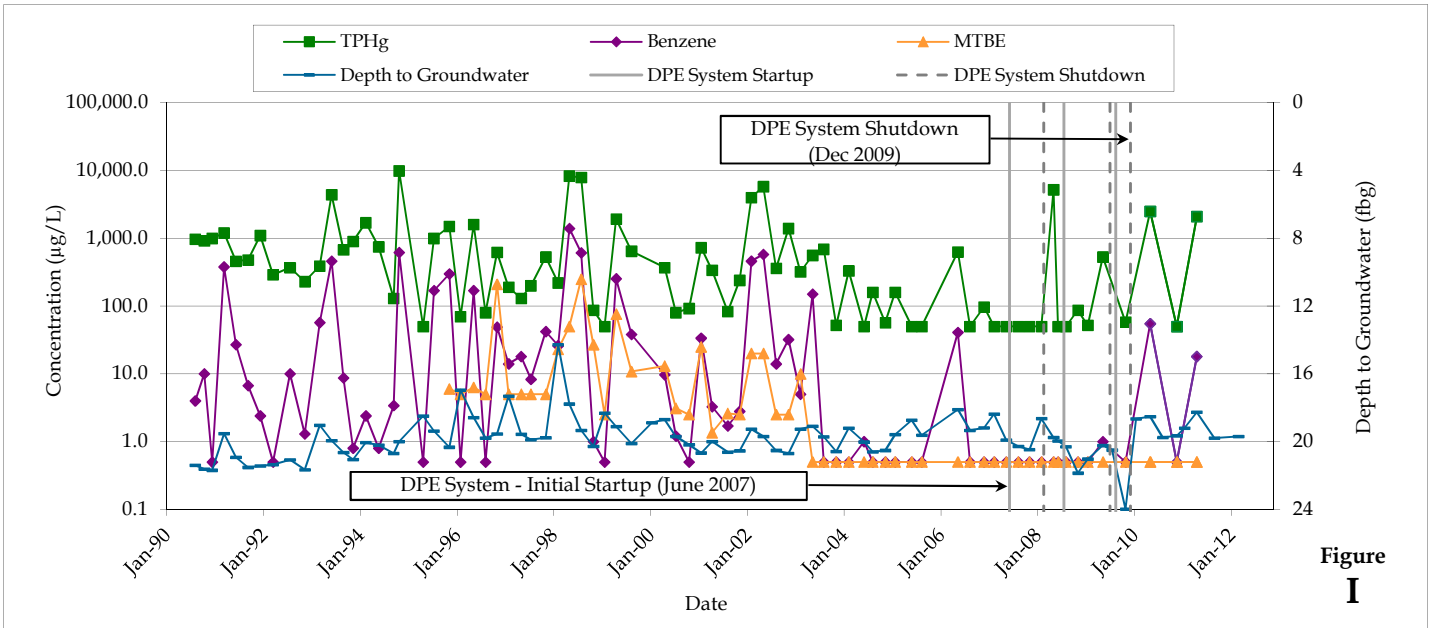


Figure I

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-14: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-16

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	9.18E+18	3.57E+36	NA
Constant:		a	-8.52E-04	-1.94E-03	NA
Starting date for current trend:			2/2/2010	2/2/2010	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		2.23	0.98	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Jul 2025	Jul 2018	At ESL

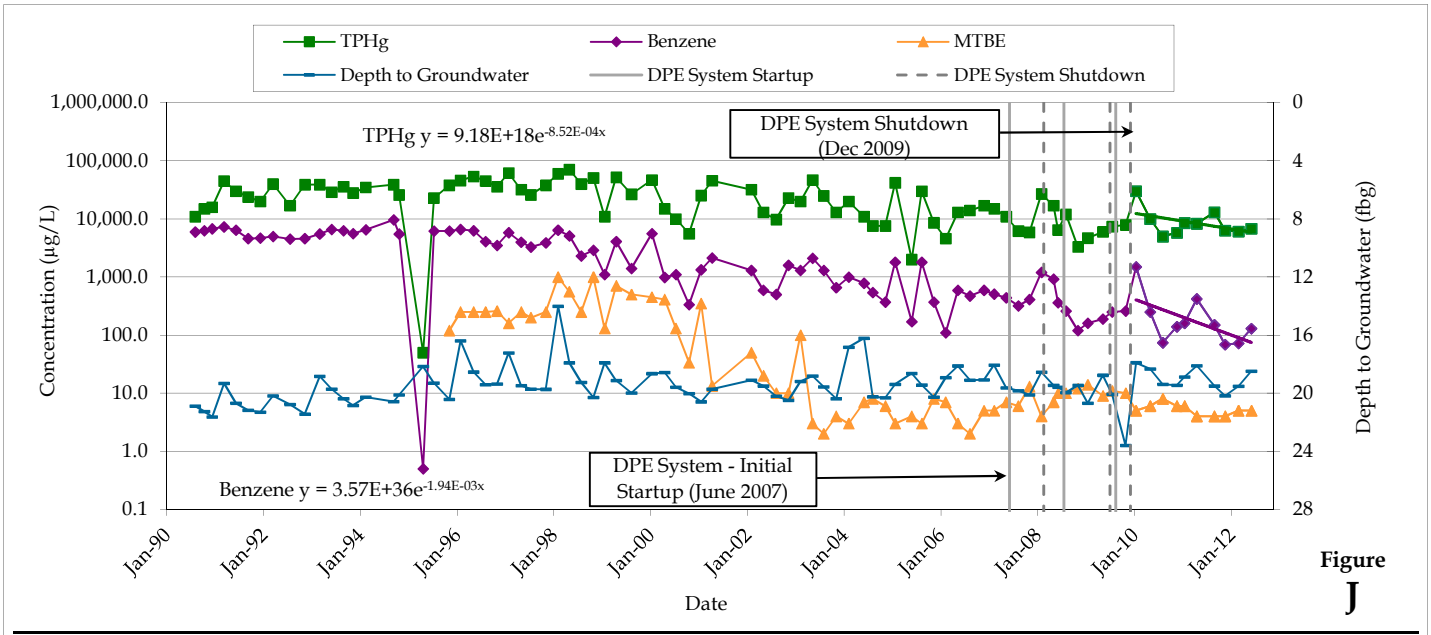


Figure J

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-16: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-18

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	3.45E+10	1.27E+26	NA
Constant:	a	-3.50E-04	-1.39E-03	NA
Starting date for current trend:		5/20/2010	5/20/2010	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	5.42	1.37	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Aug 2053	Jul 2018	At ESL

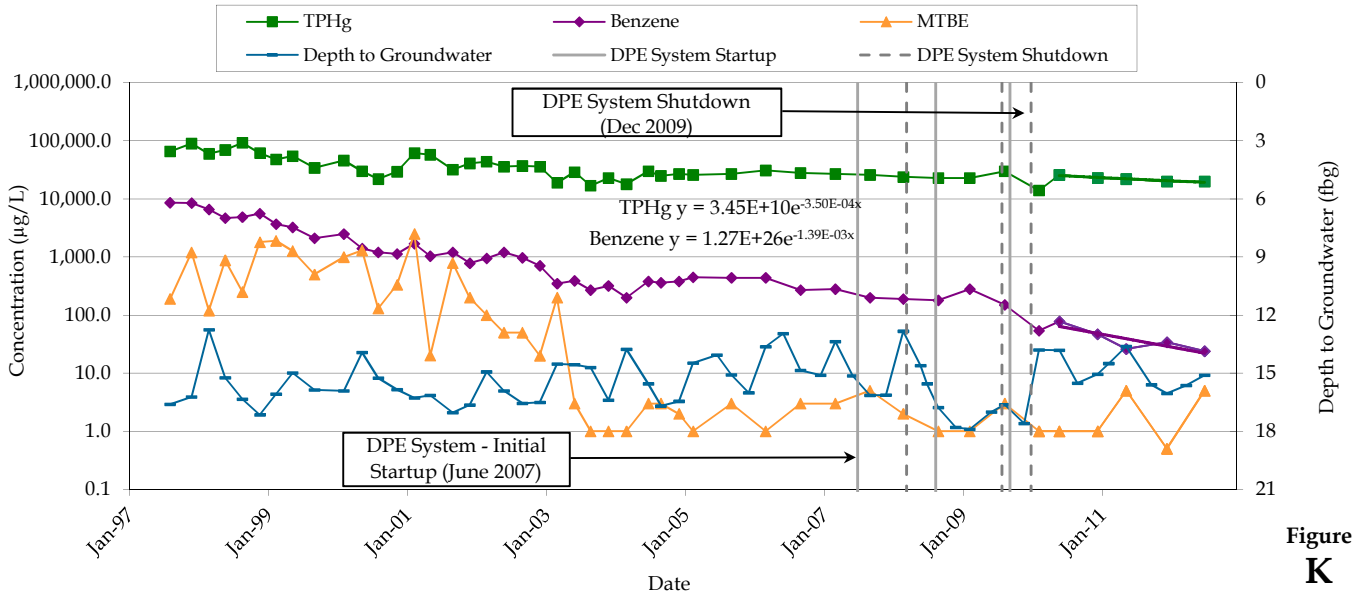


Figure K

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-18: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well MW-19

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; a = decay constant
b = concentration at time (x); x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	NA	NA	NA
Constant:		a	NA	NA	NA
Starting date for current trend:			NA	NA	NA
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	NA	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Increasing	Increasing	Increasing

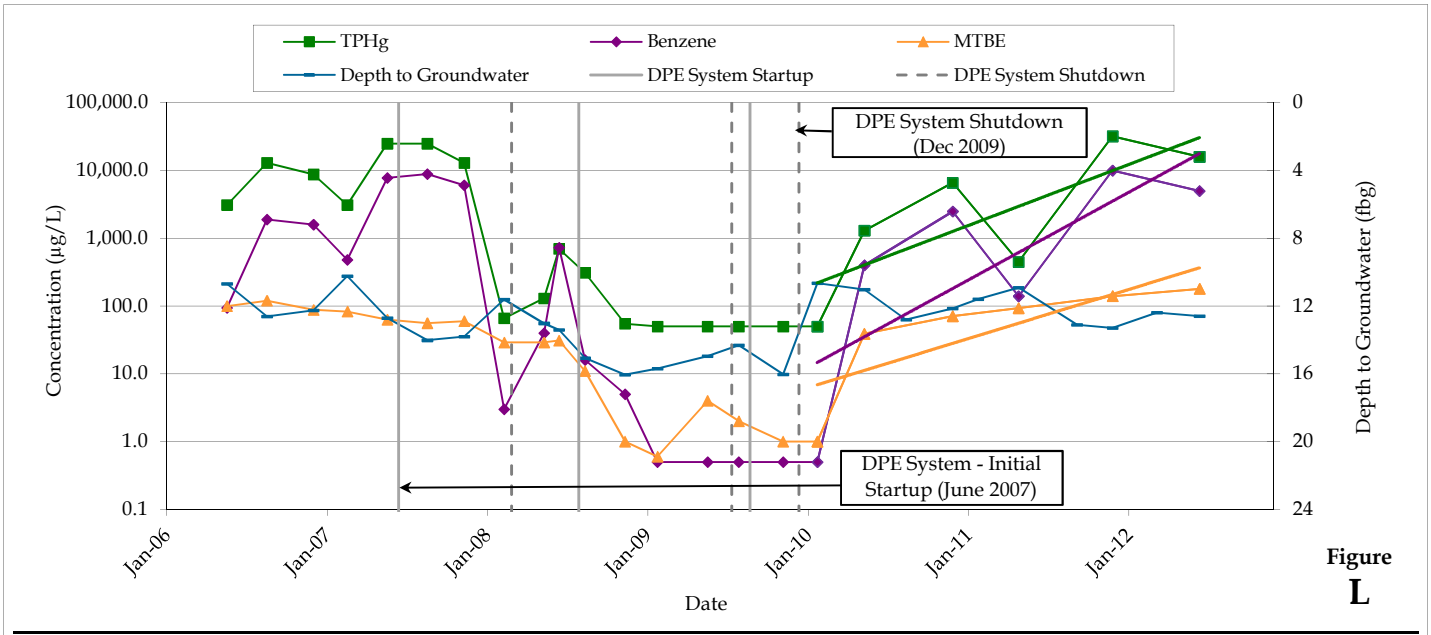


Figure L

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

MW-19: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well P-1

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	NA	NA	1.62E+09
Constant:		a	NA	NA	-4.57E-04
Starting date for current trend:			NA	NA	12/7/2010
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		NA	NA	4.15
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		At ESL	At ESL	May 2017

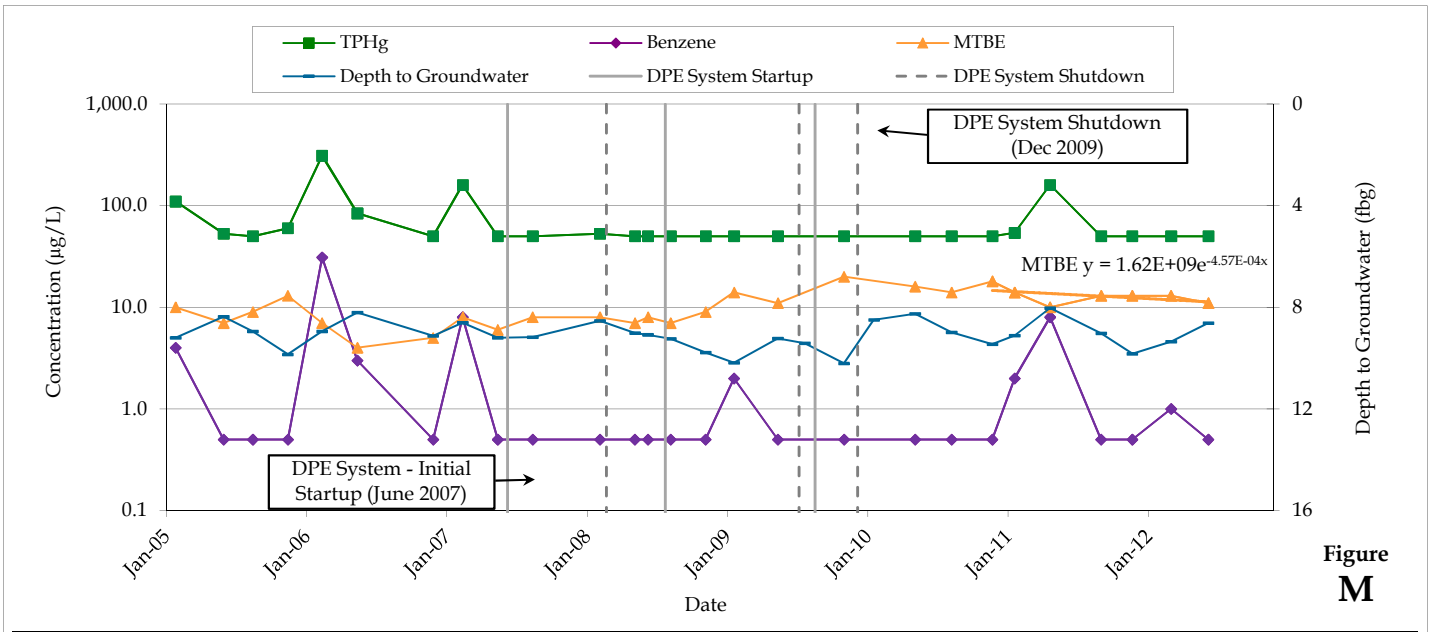


Figure M

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

P-1: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well DVE-9

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

		Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given					
ESL:		y	100	1	5
Constant:		b	8.75E+25	2.34E+61	4.94E+23
Constant:		a	-1.25E-03	-3.33E-03	-1.23E-03
Starting date for current trend:			12/7/2010	8/23/2010	12/7/2010
Calculate					
Attenuation Half Life (years):	(-ln(2)/a)/365.25		1.52	0.57	1.55
Estimated Date to Reach ESL:	(x = ln(y/b) / a)		Nov 2020	Apr 2016	Mar 2018

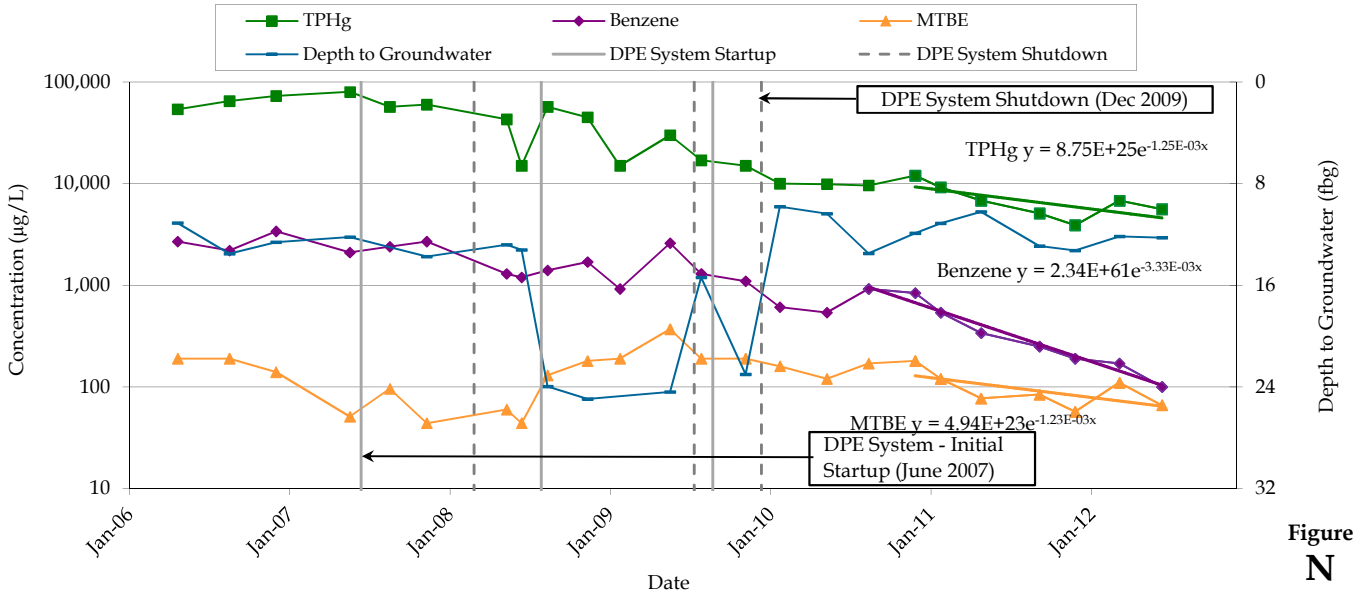


Figure N

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

DVE-9: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well DVE-12

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	NA	2.04E+24	3.35E+33
Constant:	a	NA	-1.22E-03	-1.82E-03
Starting date for current trend:		NA	8/23/2010	5/20/2010
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	1.55	1.04
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Increasing	Jul 2025	Aug 2013

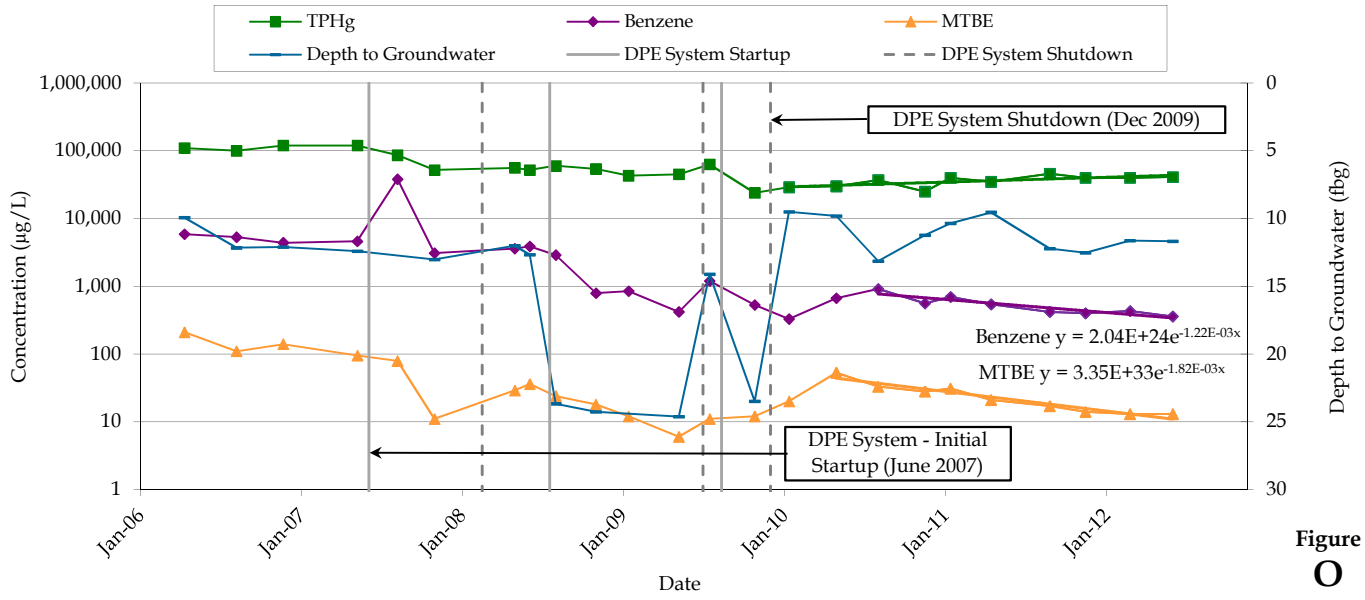


Figure O

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

DVE-12: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

Predicted Time to Reach Environmental Screening Levels (ESLs) in Well DVE-20

Former Chevron Station 90260, 21995 Foothill Boulevard, Hayward, California

$y = b\,e^{ax}$ **===>** $x = \ln(y/b) / a$

where: y = concentration in µg/L; b = concentration at time (x); a = decay constant; x = time (x) in days

	Constituent	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Benzene	Methyl Tertiary Butyl Ether (MTBE)
Given				
ESL:	y	100	1	5
Constant:	b	NA	9.03E+23	NA
Constant:	a	NA	-1.25E-03	NA
Starting date for current trend:		NA	8/23/2010	NA
Calculate				
Attenuation Half Life (years):	(-ln(2)/a)/365.25	NA	1.51	NA
Estimated Date to Reach ESL:	(x = ln(y/b) / a)	Increasing	Jun 2020	At ESL

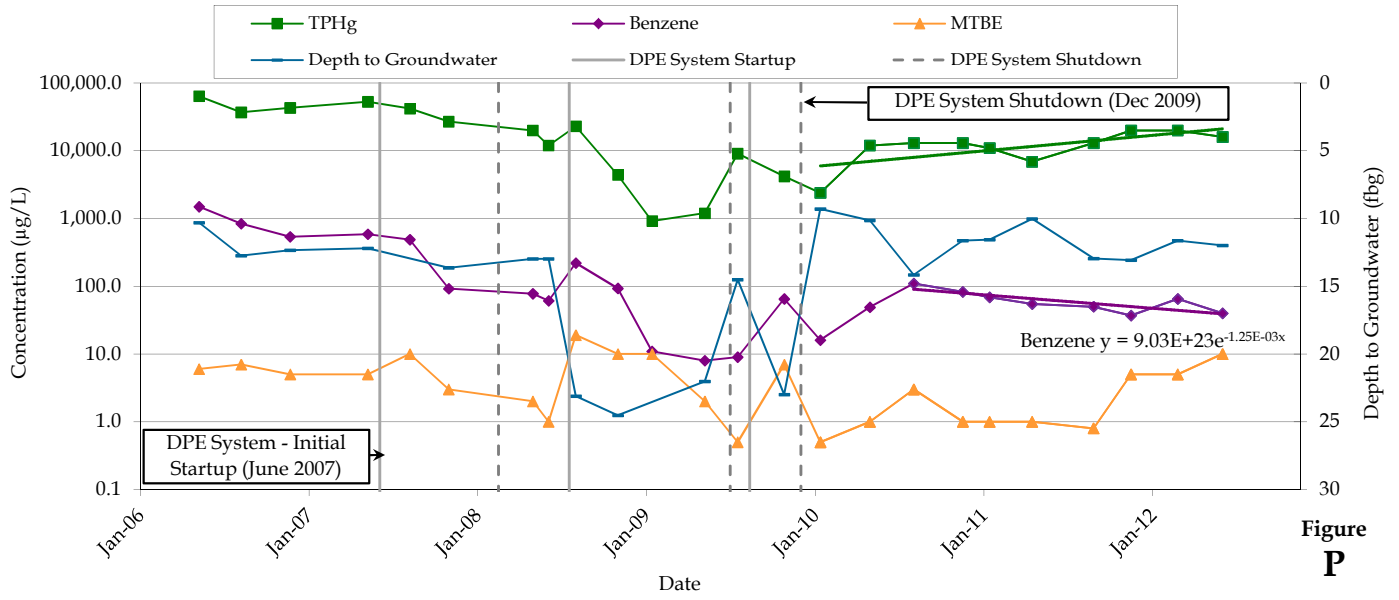


Figure P

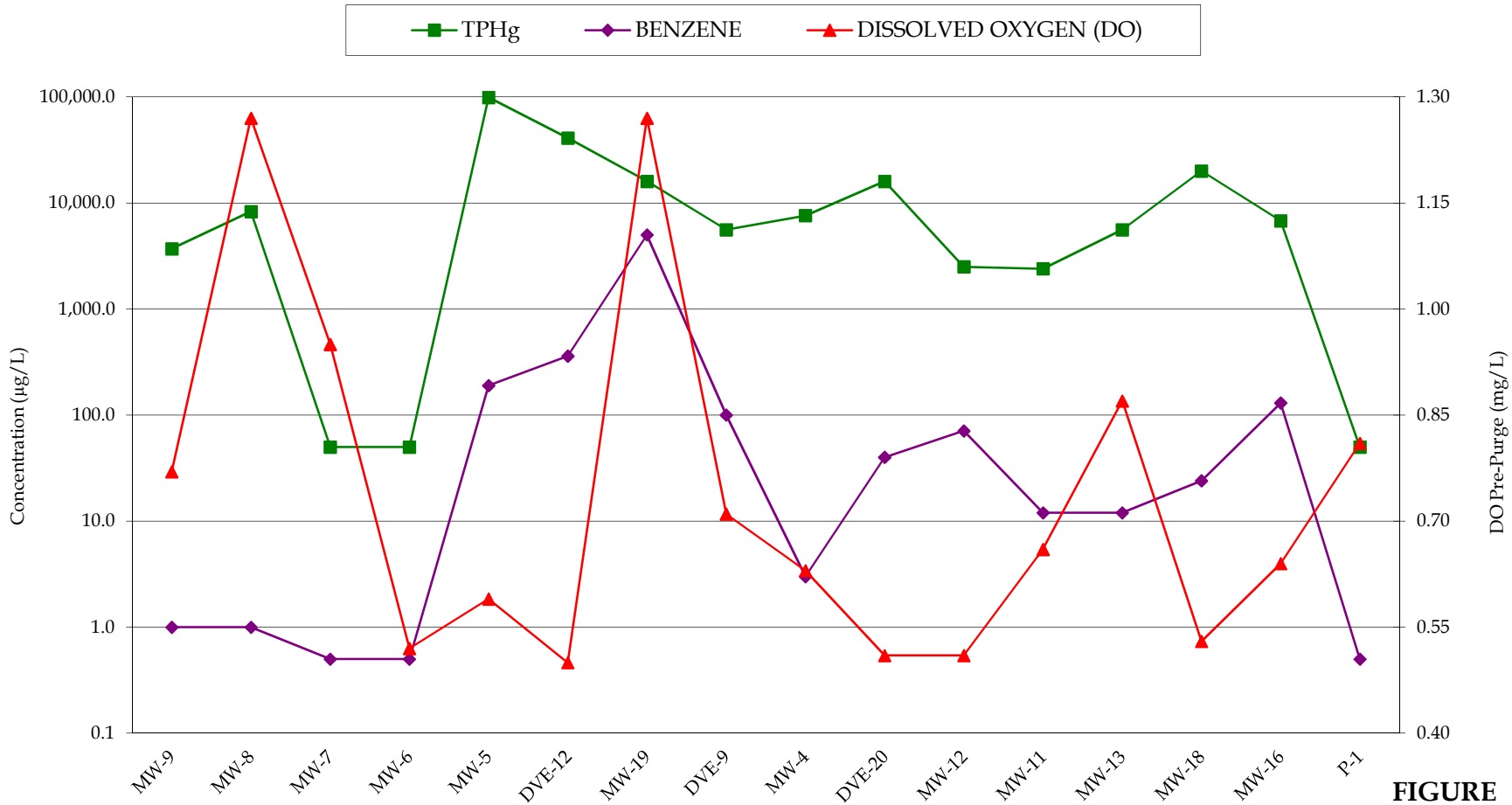
FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

DVE-20: TPHg,BENZENE, AND MTBE CONCENTRATIONS AND DEPTH TO GROUNDWATER

APPENDIX F

BIOPARAMETER GRAPHS



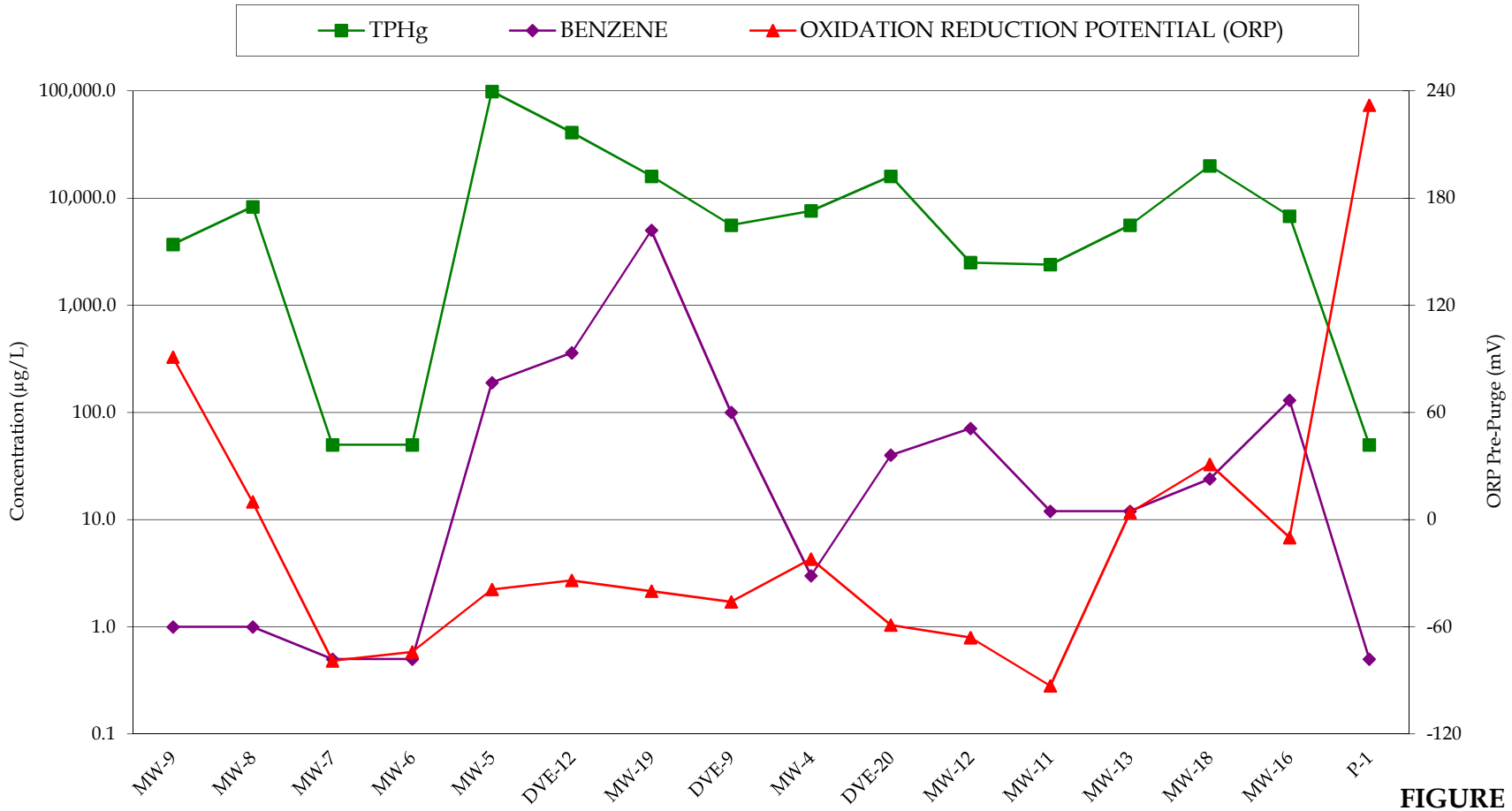
FIGURE

A

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE
CONCENTRATIONS VERSUS
DISSOLVED OXYGEN



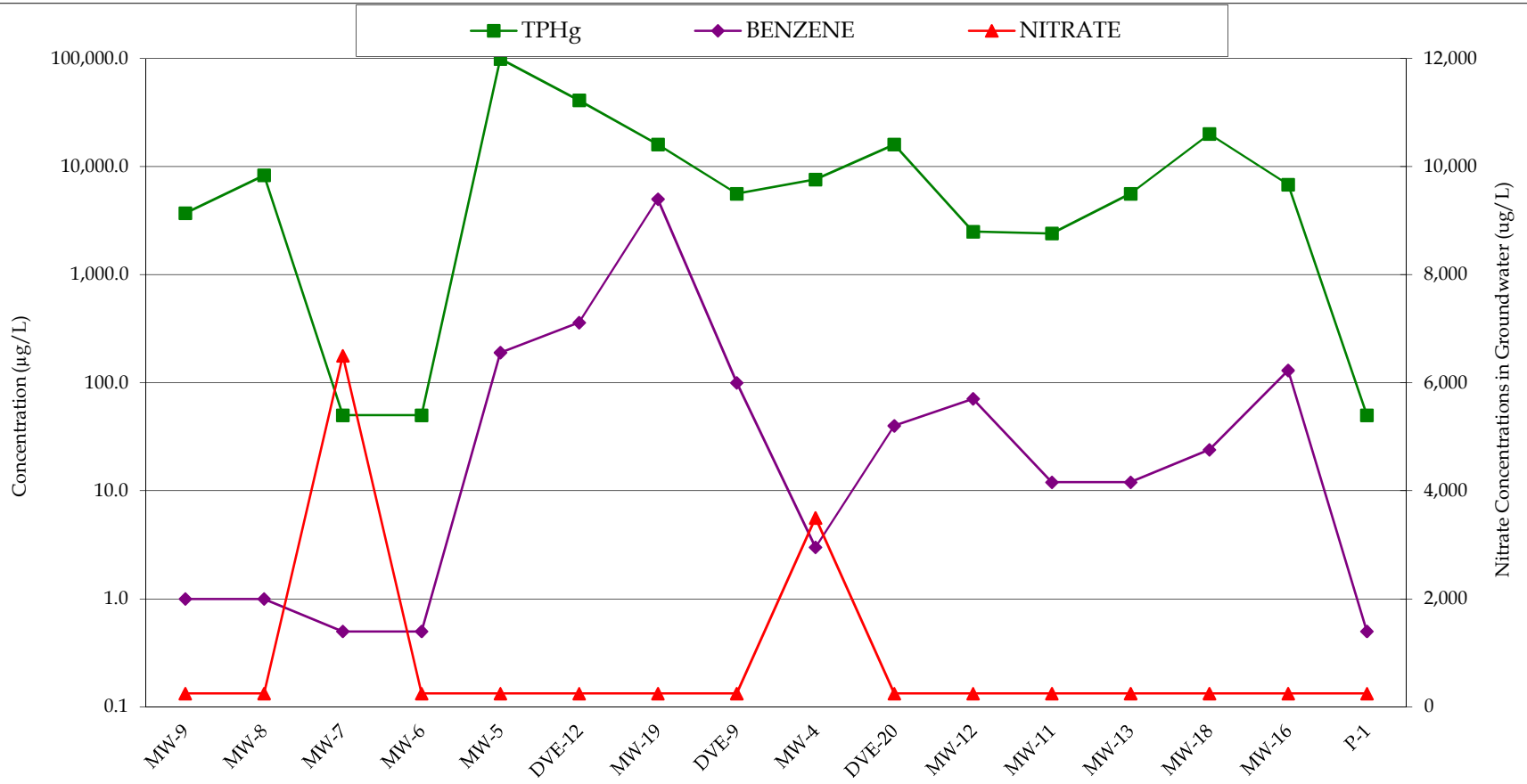
FIGURE

B

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE
CONCENTRATIONS VERSUS
OXIDATION REDUCTION POTENTIAL



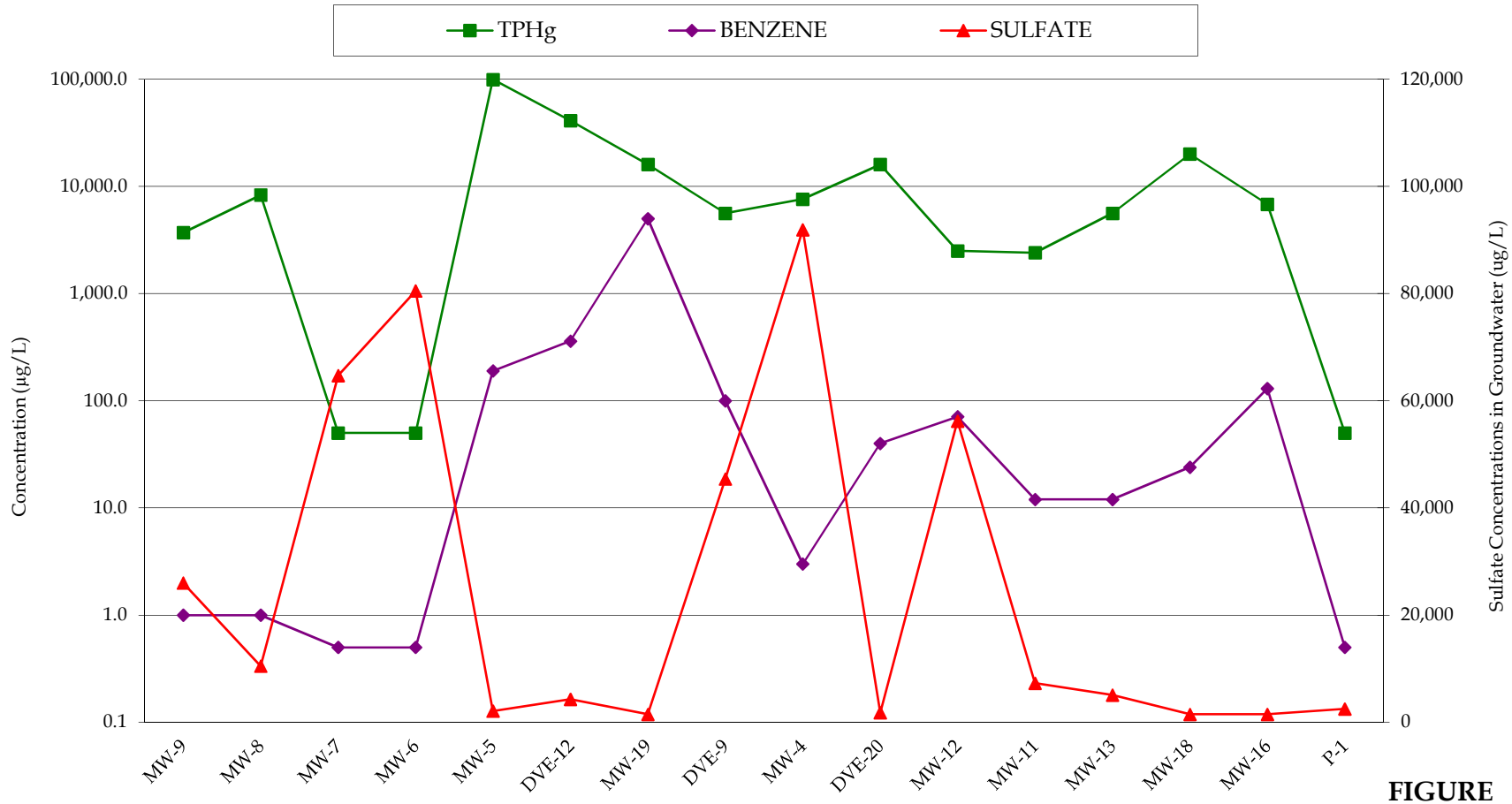
FIGURE

C

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS
VERSUS NITRATE CONCENTRATIONS



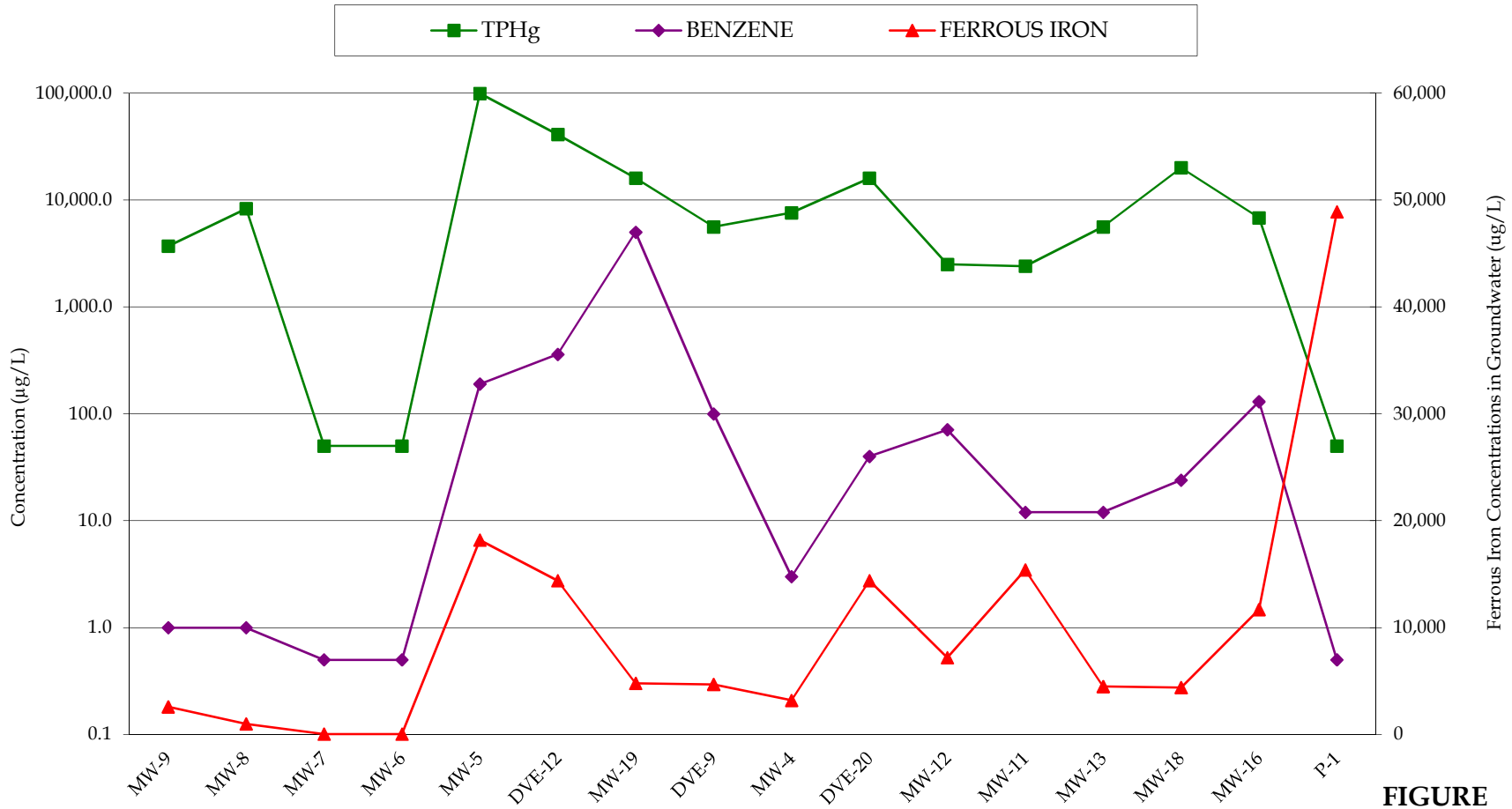
FIGURE

D

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS
VERSUS SULFATE CONCENTRATIONS



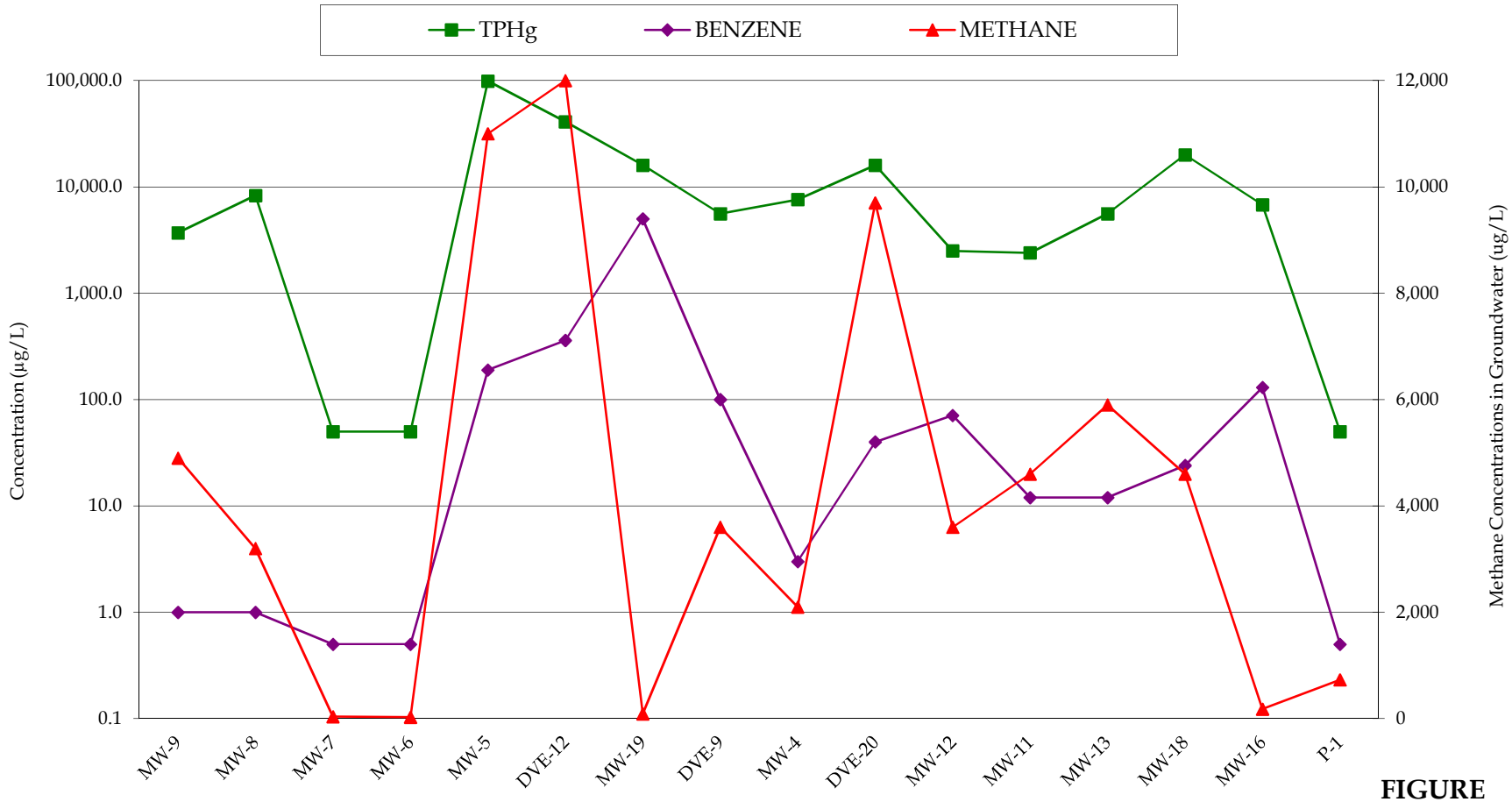
FIGURE

E

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS
VERSUS FERROUS IRON
CONCENTRATIONS



FIGURE

F

FORMER CHEVRON STATION 90260
21995 FOOTHILL BOULEVARD
HAYWARD, CALIFORNIA

CONESTOGA-ROVERS & ASSOCIATES

TPHg AND BENZENE CONCENTRATIONS
VERSUS METHANE CONCENTRATIONS

APPENDIX G

LABORATORY ANALYTICAL REPORTS

eurofins | Air Toxics

7/3/2012
Mr. Nathan Lee
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: chevron 9-0260
Project #: 311915
Workorder #: 1206660A

Dear Mr. Nathan Lee

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1206660A

Work Order Summary

CLIENT:	Mr. Nathan Lee Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Conestoga-Rovers Associates (CRA) 2055 Niagara Falls Blvd. Suite Three Niagara Falls, NY 14304
PHONE:	510-420-0700	**P.O. #**	311915
FAX:	510-420-9170	**PROJECT #**	311915 chevron 9-0260
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/03/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-1-3	Modified TO-15 APH	5.6 "Hg	5 psi
02A	VP-1-8	Modified TO-15 APH	5.6 "Hg	5 psi
03A	VP-1-8-DUP	Modified TO-15 APH	5.6 "Hg	5 psi
04A	VP-3-3	Modified TO-15 APH	5.0 "Hg	5 psi
05A	VP-3-8	Modified TO-15 APH	6.1 "Hg	5 psi
06A	TRIP BLANK	Modified TO-15 APH	28.0 "Hg	5 psi
07A	Lab Blank	Modified TO-15 APH	NA	NA
08A	CCV	Modified TO-15 APH	NA	NA
09A	LCS	Modified TO-15 APH	NA	NA
09AA	LCSD	Modified TO-15 APH	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 07/03/12

Technical Director

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins | Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 & VPH Fractions
Conestoga-Rovers Associates (CRA)
Workorder# 1206660A

Six 1 Liter Summa Canister (100% Certified) samples were received on June 29, 2012. The laboratory performed analysis via EPA Method TO-15 and Air Toxics VPH (Volatile Petroleum Hydrocarbon) methods for the Determination of VPH Fractions using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. This method is designed to measure gaseous phase aliphatic and aromatic compounds in ambient air and soil gas collected in stainless steel Summa canisters. Air Toxics VPH method is a hybrid of EPA TO-15, MADEP APH and WSDE VPH methods. Chromatographic peaks were identified via mass spectrum as either aliphatic or aromatic petroleum hydrocarbons and included in the appropriate range as defined by the method. The volatile Aliphatic hydrocarbons are collectively quantified within the C5 to C6 range, C6 to C8 range, C8 to C10 range and the C10 to C12 range. Additionally, the volatile Aromatic hydrocarbons are collectively quantified within the C8 to C10 range and the C10 to C12 range. The Aromatic ranges refer to the equivalent carbon (EC) ranges.

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified

b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-3

Lab ID#: 1206660A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	16	610	67	2500

Client Sample ID: VP-1-8

Lab ID#: 1206660A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	16	540	67	2200

Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	16	460	67	1900

Client Sample ID: VP-3-3

Lab ID#: 1206660A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	16	1600	66	6500

Client Sample ID: VP-3-8

Lab ID#: 1206660A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
TPH ref. to Gasoline (MW=100)	17	430	69	1800

Client Sample ID: TRIP BLANK

Lab ID#: 1206660A-06A

No Detections Were Found.

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Client Sample ID: VP-1-3

Lab ID#: 1206660A-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063014**	**Date of Collection:**	**6/26/12 12:14:00 PM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**6/30/12 03:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.82	Not Detected	2.6	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected
TPH ref. to Gasoline (MW=100)	16	610	67	2500

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	76	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: VP-1-8

Lab ID#: 1206660A-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063015**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.82	Not Detected	2.6	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected
TPH ref. to Gasoline (MW=100)	16	540	67	2200

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	77	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	123	70-130

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Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660A-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063020**	**Date of Collection:**	**6/26/12 11:42:00 AM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**6/30/12 06:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.82	Not Detected	2.6	Not Detected
Toluene	0.82	Not Detected	3.1	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	Not Detected	3.6	Not Detected
o-Xylene	0.82	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
Naphthalene	3.3	Not Detected	17	Not Detected
TPH ref. to Gasoline (MW=100)	16	460	67	1900

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	70	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: VP-3-3

Lab ID#: 1206660A-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063017**	**Date of Collection: 6/26/12 2:21:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 6/30/12 05:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.80	Not Detected	2.6	Not Detected
Toluene	0.80	Not Detected	3.0	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
Naphthalene	3.2	Not Detected	17	Not Detected
TPH ref. to Gasoline (MW=100)	16	1600	66	6500

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	83	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: VP-3-8

Lab ID#: 1206660A-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063018**	**Date of Collection:**	**6/26/12 1:42:00 PM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**6/30/12 05:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.84	Not Detected	2.7	Not Detected
Toluene	0.84	Not Detected	3.2	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected
TPH ref. to Gasoline (MW=100)	17	430	69	1800

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	76	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	114	70-130

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Client Sample ID: TRIP BLANK

Lab ID#: 1206660A-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063019**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 06:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	10	Not Detected	41	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	77	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206660A-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063013**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 02:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.50	Not Detected	1.6	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
TPH ref. to Gasoline (MW=100)	10	Not Detected	41	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	70	70-130
Toluene-d8	85	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: CCV

Lab ID#: 1206660A-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 10:10 AM**	

Compound	%Recovery
Benzene	98
Toluene	97
Ethyl Benzene	115
m,p-Xylene	121
o-Xylene	118
Methyl tert-butyl ether	86
Naphthalene	85
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	79	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: LCS

Lab ID#: 1206660A-09A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063006**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 10:44 AM**	

Compound	**%Recovery**
Benzene	100
Toluene	99
Ethyl Benzene	119
m,p-Xylene	125
o-Xylene	124
Methyl tert-butyl ether	82
Naphthalene	79
TPH ref. to Gasoline (MW=100)	Not Spiked

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	73	70-130
Toluene-d8	89	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: LCSD

Lab ID#: 1206660A-09AA

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063007**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 11:01 AM**	

Compound	**%Recovery**
Benzene	104
Toluene	100
Ethyl Benzene	123
m,p-Xylene	121
o-Xylene	124
Methyl tert-butyl ether	82
Naphthalene	83
TPH ref. to Gasoline (MW=100)	Not Spiked

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	77	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	112	70-130

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7/3/2012

Mr. Nathan Lee
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: chevron 9-0260
Project #: 311915
Workorder #: 1206660B

Dear Mr. Nathan Lee

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 APH are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kyle Vagadori

Project Manager

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WORK ORDER #: 1206660B

Work Order Summary

CLIENT:	Mr. Nathan Lee Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Conestoga-Rovers Associates (CRA) 2055 Niagara Falls Blvd. Suite Three Niagara Falls, NY 14304
PHONE:	510-420-0700	**P.O. #**	311915
FAX:	510-420-9170	**PROJECT #**	311915 chevron 9-0260
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/03/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-1-3	Modified TO-15 APH	5.6 "Hg	5 psi
01B	VP-1-3	Modified TO-15 APH	5.6 "Hg	5 psi
02A	VP-1-8	Modified TO-15 APH	5.6 "Hg	5 psi
02B	VP-1-8	Modified TO-15 APH	5.6 "Hg	5 psi
03A	VP-1-8-DUP	Modified TO-15 APH	5.6 "Hg	5 psi
03B	VP-1-8-DUP	Modified TO-15 APH	5.6 "Hg	5 psi
04A	VP-3-3	Modified TO-15 APH	5.0 "Hg	5 psi
04B	VP-3-3	Modified TO-15 APH	5.0 "Hg	5 psi
05A	VP-3-8	Modified TO-15 APH	6.1 "Hg	5 psi
05B	VP-3-8	Modified TO-15 APH	6.1 "Hg	5 psi
06A	TRIP BLANK	Modified TO-15 APH	28.0 "Hg	5 psi
06B	TRIP BLANK	Modified TO-15 APH	28.0 "Hg	5 psi
07A	Lab Blank	Modified TO-15 APH	NA	NA
07B	Lab Blank	Modified TO-15 APH	NA	NA
08A	CCV	Modified TO-15 APH	NA	NA
08B	CCV	Modified TO-15 APH	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 07/03/12

Technical Director

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 & VPH Fractions
Conestoga-Rovers Associates (CRA)
Workorder# 1206660B

Six 1 Liter Summa Canister (100% Certified) samples were received on June 29, 2012. The laboratory performed analysis via EPA Method TO-15 and Air Toxics VPH (Volatile Petroleum Hydrocarbon) methods for the Determination of VPH Fractions using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. This method is designed to measure gaseous phase aliphatic and aromatic compounds in ambient air and soil gas collected in stainless steel Summa canisters. Air Toxics VPH method is a hybrid of EPA TO-15, MADEP APH and WSDE VPH methods. Chromatographic peaks were identified via mass spectrum as either aliphatic or aromatic petroleum hydrocarbons and included in the appropriate range as defined by the method. The volatile Aliphatic hydrocarbons are collectively quantified within the C5 to C6 range, C6 to C8 range, C8 to C10 range and the C10 to C12 range. Additionally, the volatile Aromatic hydrocarbons are collectively quantified within the C8 to C10 range and the C10 to C12 range. The Aromatic ranges refer to the equivalent carbon (EC) ranges.

Aliphatic data is calculated from the Total Ion chromatogram which has been reprocessed in a duplicate file differentiated from the original by the addition of an alphanumeric extension. The Aromatic calculation also uses the information contained in the associated Extracted Ion file.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-1-3

Lab ID#: 1206660B-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	140	110	980

Client Sample ID: VP-1-3

Lab ID#: 1206660B-01B

No Detections Were Found.

Client Sample ID: VP-1-8

Lab ID#: 1206660B-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	110	110	750

Client Sample ID: VP-1-8

Lab ID#: 1206660B-02B

No Detections Were Found.

Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	98	110	680

Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660B-03B

No Detections Were Found.

Client Sample ID: VP-3-3

Lab ID#: 1206660B-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
MODIFIED METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VP-3-3

Lab ID#: 1206660B-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	16	630	52	2000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	16	75	66	310
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	28	110	190

Client Sample ID: VP-3-3

Lab ID#: 1206660B-04B

No Detections Were Found.

Client Sample ID: VP-3-8

Lab ID#: 1206660B-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	17	77	120	530

Client Sample ID: VP-3-8

Lab ID#: 1206660B-05B

No Detections Were Found.

Client Sample ID: TRIP BLANK

Lab ID#: 1206660B-06A

No Detections Were Found.

Client Sample ID: TRIP BLANK

Lab ID#: 1206660B-06B

No Detections Were Found.

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Client Sample ID: VP-1-3

Lab ID#: 1206660B-01A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063014a**	**Date of Collection: 6/26/12 12:14:00 PM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 03:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	16	Not Detected	53	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	16	Not Detected	68	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	16	Not Detected	96	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	140	110	980

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	124	70-130

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Client Sample ID: VP-1-3

Lab ID#: 1206660B-01B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063014c**	**Date of Collection: 6/26/12 12:14:00 PM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 03:45 PM**	

Compound	**Rpt. Limit (ppbv)**	**Amount (ppbv)**	**Rpt. Limit (ug/m3)**	**Amount (ug/m3)**
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	16	Not Detected	81	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	16	Not Detected	90	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	88	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: VP-1-8

Lab ID#: 1206660B-02A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063015a**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 04:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	16	Not Detected	53	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	16	Not Detected	68	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	16	Not Detected	96	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	110	110	750

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	112	70-130
4-Bromofluorobenzene	131	70-130

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Client Sample ID: VP-1-8

Lab ID#: 1206660B-02B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063015c**	**Date of Collection:**	**6/26/12 11:42:00 AM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**6/30/12 04:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	16	Not Detected	81	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	16	Not Detected	90	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	118	70-130

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Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660B-03A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063020a**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 06:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	16	Not Detected	53	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	16	Not Detected	68	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	16	Not Detected	96	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	98	110	680

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	113	70-130
4-Bromofluorobenzene	135	70-130

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Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660B-03B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063020c**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**1.65**	**Date of Analysis: 6/30/12 06:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	16	Not Detected	81	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	16	Not Detected	90	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: VP-3-3

Lab ID#: 1206660B-04A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063017a**	**Date of Collection: 6/26/12 2:21:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 6/30/12 05:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	16	630	52	2000
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	16	75	66	310
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	16	Not Detected	94	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	16	28	110	190

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: VP-3-3

Lab ID#: 1206660B-04B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063017c**	**Date of Collection: 6/26/12 2:21:00 PM**	
Dil. Factor:	**1.61**	**Date of Analysis: 6/30/12 05:23 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	16	Not Detected	79	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	16	Not Detected	88	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	90	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: VP-3-8

Lab ID#: 1206660B-05A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063018a**	**Date of Collection: 6/26/12 1:42:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/30/12 05:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	17	Not Detected	54	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	17	Not Detected	69	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	17	Not Detected	98	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	17	77	120	530

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	123	70-130

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Client Sample ID: VP-3-8

Lab ID#: 1206660B-05B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063018c**	**Date of Collection: 6/26/12 1:42:00 PM**	
Dil. Factor:	**1.68**	**Date of Analysis: 6/30/12 05:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	17	Not Detected	82	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	17	Not Detected	92	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	89	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	110	70-130

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Client Sample ID: TRIP BLANK

Lab ID#: 1206660B-06A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063019a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 06:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	112	70-130
4-Bromofluorobenzene	121	70-130

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Client Sample ID: TRIP BLANK

Lab ID#: 1206660B-06B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063019c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 06:14 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206660B-07A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063013a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 02:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	10	Not Detected	32	Not Detected
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	10	Not Detected	41	Not Detected
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	10	Not Detected	58	Not Detected
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	10	Not Detected	70	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	112	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1206660B-07B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063013c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 02:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	10	Not Detected	49	Not Detected
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	10	Not Detected	55	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	108	70-130

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Client Sample ID: CCV

Lab ID#: 1206660B-08A

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063008a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 11:49 AM**	

Compound	%Recovery
C5-C6 Aliphatic Hydrocarbons (ref. to Pentane + Hexane)	81
>C6-C8 Aliphatic Hydrocarbons (ref. to Heptane)	86
>C8-C10 Aliphatic Hydrocarbons (ref. to Decane)	88
>C10-C12 Aliphatic Hydrocarbons (ref. to Dodecane)	90

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	0	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	109	70-130

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Client Sample ID: CCV

Lab ID#: 1206660B-08B

MODIFIED METHOD TO-15 GC/MS FULL SCAN

File Name:	**3063008c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/30/12 11:49 AM**	

Compound	**%Recovery**
>C8-C10 Aromatic Hydrocarbons (ref. to 1,2,3-TMB)	97
>C10-C12 Aromatic Hydrocarbons (ref. to 1,2,4,5-TMB)	130

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	104	70-130

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7/3/2012
Mr. Nathan Lee
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: chevron 9-0260
Project #: 311915
Workorder #: 1206660C

Dear Mr. Nathan Lee

The following report includes the data for the above referenced project for sample(s) received on 6/29/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1206660C

Work Order Summary

CLIENT:	Mr. Nathan Lee Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Accounts Payable Conestoga-Rovers Associates (CRA) 2055 Niagara Falls Blvd. Suite Three Niagara Falls, NY 14304
PHONE:	510-420-0700	**P.O. #**	311915
FAX:	510-420-9170	**PROJECT #**	311915 chevron 9-0260
DATE RECEIVED:	06/29/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/03/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VP-1-3	Modified ASTM D-1946	5.6 "Hg	5 psi
02A	VP-1-8	Modified ASTM D-1946	5.6 "Hg	5 psi
03A	VP-1-8-DUP	Modified ASTM D-1946	5.6 "Hg	5 psi
04A	VP-3-3	Modified ASTM D-1946	5.0 "Hg	5 psi
05A	VP-3-8	Modified ASTM D-1946	6.1 "Hg	5 psi
06A	TRIP BLANK	Modified ASTM D-1946	28.0 "Hg	5 psi
07A	Lab Blank	Modified ASTM D-1946	NA	NA
07B	Lab Blank	Modified ASTM D-1946	NA	NA
08A	LCS	Modified ASTM D-1946	NA	NA
08AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 07/03/12

Technical Director

Certfication numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins | Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Conestoga-Rovers Associates (CRA)
Workorder# 1206660C

Six 1 Liter Summa Canister (100% Certified) samples were received on June 29, 2012. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Since Nitrogen is used to pressurize samples, the reported Nitrogen values are calculated by adding all the sample components and subtracting from 100%.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The trip blank sample TRIP BLANK has reportable levels of Oxygen present. Reanalysis confirm initial result.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-1-3

Lab ID#: 1206660C-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Nitrogen	0.21	77
Carbon Dioxide	0.021	4.6

Client Sample ID: VP-1-8

Lab ID#: 1206660C-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	7.9
Nitrogen	0.21	89
Carbon Dioxide	0.021	3.1
Methane	0.00021	0.013

Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660C-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	7.4
Nitrogen	0.26	90
Carbon Dioxide	0.026	3.0
Methane	0.00026	0.012

Client Sample ID: VP-3-3

Lab ID#: 1206660C-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.22	19
Nitrogen	0.22	77
Carbon Dioxide	0.022	4.2
Methane	0.00022	0.00041

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: VP-3-8

Lab ID#: 1206660C-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	12
Nitrogen	0.21	87
Carbon Dioxide	0.021	0.95
Methane	0.00021	0.0017

Client Sample ID: TRIP BLANK

Lab ID#: 1206660C-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	0.13
Nitrogen	0.10	100

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Client Sample ID: VP-1-3

Lab ID#: 1206660C-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070220**	**Date of Collection: 6/26/12 12:14:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 7/2/12 04:15 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	18
Nitrogen	0.21	77
Carbon Dioxide	0.021	4.6
Methane	0.00021	Not Detected
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: VP-1-8

Lab ID#: 1206660C-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070221**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**2.06**	**Date of Analysis: 7/2/12 04:53 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	7.9
Nitrogen	0.21	89
Carbon Dioxide	0.021	3.1
Methane	0.00021	0.013
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: VP-1-8-DUP

Lab ID#: 1206660C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070222**	**Date of Collection: 6/26/12 11:42:00 AM**	
Dil. Factor:	**2.56**	**Date of Analysis: 7/2/12 05:17 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	7.4
Nitrogen	0.26	90
Carbon Dioxide	0.026	3.0
Methane	0.00026	0.012
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: VP-3-3

Lab ID#: 1206660C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070223**	**Date of Collection: 6/26/12 2:21:00 PM**	
Dil. Factor:	**2.16**	**Date of Analysis: 7/2/12 05:46 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.22	19
Nitrogen	0.22	77
Carbon Dioxide	0.022	4.2
Methane	0.00022	0.00041
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: VP-3-8

Lab ID#: 1206660C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070224**	**Date of Collection: 6/26/12 1:42:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 7/2/12 06:13 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	12
Nitrogen	0.21	87
Carbon Dioxide	0.021	0.95
Methane	0.00021	0.0017
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: TRIP BLANK

Lab ID#: 1206660C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070225**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 06:39 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	0.13
Nitrogen	0.10	100
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected
Helium	0.050	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

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Client Sample ID: Lab Blank

Lab ID#: 1206660C-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070205**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 09:28 AM**	

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	Not Detected
Nitrogen	0.10	Not Detected
Carbon Dioxide	0.010	Not Detected
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: Lab Blank

Lab ID#: 1206660C-07B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070204b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 09:05 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1206660C-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 08:02 AM**	

Compound	%Recovery
Oxygen	100
Nitrogen	100
Carbon Dioxide	100
Methane	98
Helium	101

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1206660C-08AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9070232**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/2/12 09:41 PM**	

Compound	%Recovery
Oxygen	100
Nitrogen	100
Carbon Dioxide	102
Methane	98
Helium	101

Container Type: NA - Not Applicable

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CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager NATHAN LEE

Collected by: (Print and Sign) SEQUOIA PATTERSON

Company CRA Email nlee@craworld.com

Address 5900 Hollis St STE A City Emeryville State CA Zip 94608

Phone 510 420 0700 Fax 510 420 9170

Project Info:
P.O. # TBD
Project # 311915
Project Name Chevron 9-0260

Turn Around Time:
☐ Normal
☑ Rush 48 hour
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VP-1-3	25281	6-26-12	1214	For All Samples:	-30	-6.5		
02A	VP-1-8	2206		1142	• TO-15; TPHg,	-30	-6		
03A	VP-1-8-DUP	31785		1142	BTEX, MTBE, Naphthalene	-30	-6		
04A	VP-3-3	12383		1421	• TO-15 APH Full Scan	-29	-5		
05A	VP-3-8	37711		1342	for Aromatics and	-30	-6		
06A	TRIP BLANK	1365	—	—	Aliphatics	—	—		
					• ATSM D-1946:				
					N_2, O_2, CO_2, CH_4,				
					Helium				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	6-26-12 1600	Securelocation CRA	6-26-12 1600
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Secure Location CRA	6-27-12 1500	Fed Ex	6-27-12 1500
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
			6/29/12 1250

Notes: Please report results in PPbV and ug/m³
• Email results and EDF to nlee@craworld.com

Global ID: T0600100315

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fedex		N/A	Good	Yes No (None)	1206660

Form 1293 rev.11

APPENDIX H

STANDARD FIELD PROCEDURES

STANDARD FIELD PROCEDURES FOR CONE PENETROMETER TESTING SOIL BORING AND SAMPLING

This document presents standard field methods for drilling and sampling Cone Penetrometer Testing (CPT) soil borings. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Use of CPT for logging and soil and groundwater sampling requires separate borings. Typically an initial boring is advanced to estimate soil and groundwater characteristics as described below. To collect soil samples a separate boring must be advanced using a soil sampling device. If groundwater samples are collected, another separate boring must be advanced using a groundwater sampling device. Specific field procedures are summarized below.

CONE PENETROMETER TESTING (CPT)

Cone Penetrometer Testing is performed by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). Cone Penetrometer Tests (CPT) are carried out by pushing an integrated electronic piezocone into the subsurface. The piezocone is pushed using a specially designed CPT rig with a force capacity of 20 to 25 tons. The piezocones are capable of recording the following parameters:

Tip Resistance (Qc)
Sleeve Friction (Fs)
Pore Water Pressure (U)
Bulk Soil Resistivity (rho) - with an added module

A compression cone is used for each CPT sounding. Piezocones with rated load capacities of 5, 10 or 20 tons are used depending on soil conditions. The 5 and 10 ton cones have a tip area of 10 sq. cm. and a friction sleeve area of 150 sq. cm. The 20 ton cones have a tip area of 15 sq. cm. and a friction sleeve area of 250 sq. cm. A pore water pressure filter is located directly behind the cone tip. Each of the filters is saturated in glycerin under vacuum pressure prior to penetration. Pore Pressure Dissipation Tests (PPDT) are recorded at 5 second intervals during pauses in penetration. The equilibrium pore water pressure from the dissipation test can be used to identify the depth to groundwater.

The measured parameters are printed simultaneously on a printer and stored on a computer disk for future analysis. All CPTs are carried out in accordance with ASTM D-3441. A complete set of baseline readings is taken prior to each sounding to determine any zero load offsets.

The inferred stratigraphic profile at each CPT location is included on the plotted CPT logs. The stratigraphic interpretations are based on relationships between cone bearing (Qc) and friction ratio (Rf). The friction ratio is a calculated parameter (Fs/Qc) used in conjunction with the cone bearing to identify the soil type. Generally, soft cohesive soils have low cone bearing pressures

and high friction ratios. Cohesionless soils (sands) have high cone bearing pressures and low friction ratios. The classification of soils is based on correlations developed by Robertson et al (1986). It is not always possible to clearly identify a soil type based on Qc and Rf alone. Correlation with existing soils information and analysis of pore water pressure measurements should also be used in determining soil type.

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

After the CPT probes are removed, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the ASTM D2488-06 Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

Soil Boring and Sampling

Prior to drilling, the first 8 feet of the boring are cleared using an air or water knife and vacuum extraction or hand auger. This minimizes the potential for impacting utilities. Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

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

Sample Analysis

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

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in

the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

Water Sampling
Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

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

Waste Handling and Disposal
Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

Conestoga-Rovers & Associates

STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

DRILLING AND SAMPLING

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (PG).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Prior to drilling, the first 8 ft of the boring are cleared using an air or water knife and vacuum extraction. This minimizes the potential for impacting utilities.

Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

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

Sample Analysis

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

Field Screening

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

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4^{o}C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. Equipment blanks may be analyzed if non-dedicated sampling equipment is used.

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. Rinsed and graded sand corresponding to the slot size occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I, II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4^{o}C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.