CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: December 15, 2010

REFERENCE NO.: RO #143

PROJECT NAME: Chevron Station 9-0020

TO: Mr. Mark Dettman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RECEIVED
3:31 pm, Dec 16, 2010
Alameda County
Environmental Health

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

Sent via:
- ☐ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other .ftp upload, GeoTracker upload

QUANTITY	DESCRIPTION
1	Offsite Subsurface Investigation and Vapor Probe Destruction Report

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

COMMENTS:
.Please contact Nathan Lee at (510) 420-3333 or NLee@CRAworld.com with any questions or comments. Thank you.

Copy to: Mr. Dave Patten, Chevron
Mr. Shad Small
Oakland Housing Authority
Mr. Karl Lauff, Christian Church Homes
Ms. Jeriann Alexander, FugroWest

Completed by: Nathan Lee [Please Print]

Signed: Nathan Lee

Filing: **Correspondence File**

Dave Patten
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-1740
Fax (925) 543-2324
drpatten@chevron.com

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

Re: Chevron Service Station No. 9-0020
1633 Harrison Street
Oakland, CA

I have reviewed the attached report dated December 15, 2010.

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,

Dave Patten
Project Manager

Attachment: Report

OFFSITE SUBSURFACE INVESTIGATION AND VAPOR PROBE DESTRUCTION REPORT

FORMER CHEVRON SERVICE STATION #9-0020
1633 HARRISON STREET
OAKLAND, CALIFORNIA
Fuel Leak Case No. RO0000143

Prepared For:

Mr. Mark Detterman
Alameda County Environmental Health Services (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Prepared by:
Conestoga-Rovers & Associates

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DECEMBER 15, 2010
REF. NO. 311956 (12)
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OFFSITE SUBSURFACE INVESTIGATION AND VAPOR PROBE DESTRUCTION REPORT

FORMER CHEVRON SERVICE STATION #9-0020
1633 HARRISON STREET
OAKLAND, CALIFORNIA
Fuel Leak Case No. RO0000143

Ian Hull

Nathan Lee PG #8486

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) is submitting this *Offsite Subsurface Investigation and Vapor Probe Destruction Report* on behalf of Chevron Environmental Management Company (Chevron) for former Chevron Service Station 9-0020 located at 1633 Harrison Street, Oakland, California. CRA installed offsite monitoring well MW-17 and advanced offsite soil borings SB9 through SB11 to assess dissolved hydrocarbon concentrations downgradient. CRA destroyed all seven onsite soil vapor probes to facilitate upcoming site redevelopment. Work was completed in accordance with CRA's *Work Plan Addendum for Monitoring Well Installation and Additional Offsite Investigation* dated July 9, 2010 and approved by Alameda County Environmental Health (ACEH) on July 26, 2010 (Appendix A). The site background and investigation results are presented below.

1.1 SITE DESCRIPTION AND BACKGROUND

The site is a former Chevron service station located on the southwest corner at the intersection of Harrison and 17th Streets in Oakland, California. The site is located downtown in an area of commercial and multi-unit residential land use (Figure 1). Chevron operated a service station on the site until 1972. There have been at least two different configurations of the facilities at the site (Figure 2). All facilities were removed at the time of station closure. Since December 1, 1975, the site has been used as a parking lot, which is currently operated by Douglas Parking. A future redevelopment as a multi-story senior housing facility is planned at the site.

A total of 26 soil borings, 17 groundwater monitoring wells, and 7 soil vapor probes have been installed at the site (Figure 2). A summary of environmental investigation and remediation conducted at the site is included in Appendix B.

1.2 SITE GEOLOGY

The site is located along the eastern margin of the San Francisco Bay and is within the East Bay Plain. The East Bay Plain lies within the Coast Range Geomorphic Province and is characterized by broad alluvial fan margins slopping westward towards the San Francisco Bay. The site is underlain by Holocene and Pleistocene alluvial fan deposits, underlain by Franciscan Formation bedrock at depth[1]. Soil beneath the site

1 California's Groundwater Bulletin 118; State of California Department of Water Resources; February 27, 2004.

and site vicinity consist primarily of silty sands with some intermittent sandy, clayey and gravelly silt to approximately 35 feet below grade (fbg). Local topography is flat and the site is approximately 35 feet above mean sea level.

1.3 SITE HYDROGEOLOGY

The site is located in the East Bay Plain Subbasin of the Santa Clara Groundwater Basin, and is approximately 35 feet above mean sea level (ft-amsl). The cumulative aquifer thickness in the vicinity is approximately 1,000 feet, consisting of unconsolidated sediments[1]. Groundwater in the region has been designated as potentially beneficial for commercial, industrial, and residential uses[2]. The regional groundwater flow direction, based on the topography and natural drainage patterns in the area, appears to be towards Lake Merritt, located approximately 1,600 feet east of the site. Depth to groundwater has ranged from approximately 16 to 22 fbg. Groundwater flow direction is typically east to northeast at a gradient of 0.008 to 0.011 (Figure 2).

2.0 OFFSITE SUBSURFACE INVESTIGATION AND VAPOR PROBE DESTRUCTIONS

CRA installed offsite groundwater monitoring well MW-17 and advanced offsite soil borings SB9 through SB11 to assess hydrocarbon concentrations downgradient of the site. CRA destroyed all seven onsite soil vapor probes to facilitate onsite redevelopment. Investigation details of the well installation, soil borings and vapor probe destructions are presented below.

Site Health and Safety Plan

CRA performed all work under the guidelines set forth in a comprehensive site health and safety plan. The plan was reviewed and signed by all site workers and visitors and kept onsite at all times.

Drilling Company

Vapor Tech Services (VTS) of Berkeley, California (C-57 #916085) installed monitoring well MW-17, advanced soil borings SB9 through SB11, and destroyed soil vapor probes VP-1R, VP-2, VP-3, VP-4R, VP-5R, VP-6, and VP-7.

[2] Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins; Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin; California Regional Water Quality Control Board San Francisco Bay Region, January 18, 2007.

CRA Personnel

CRA geologists Ian Hull and Belew Yifru directed the drilling activities under the supervision of California Professional Geologist Nathan Lee (PG #8486).

Geophysical Survey

Prior to drilling, CRA contacted Underground Service Alert (USA) to mark underground utilities near the proposed work areas. CRA contracted a licensed Geophysicist from NORCAL Geophysical Consultants, Inc. (NORCAL) of Cotati, California to verify underground utility locations near the proposed well location. NORCAL used electronic line location equipment and ground penetrating radar (GPR) to determine utilities in the area.

Soil Sampling

Nearby underground utilities required the borings to be hand cleared and soil samples were collected by driving a 3-inch stainless-steel sleeve into soil recovered by a hand auger. At depths below where hand clearance was conducted undisturbed soil samples were collected at approximately 5-foot intervals using direct-push technology. CRA geologists logged collected soils using the ASTM D2488-06 Unified Soil Classification System and soils were screened in the field using a photo-ionization detector (PID). Soil samples were sealed, capped, labeled, logged on a chain-of-custody, placed on ice, and shipped to Lancaster Laboratories of Lancaster, Pennsylvania for analysis.

Soil Laboratory Analysis

All soil samples were analyzed by Lancaster Laboratories for the following:

- Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015B Modified with silica gel cleanup;
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B Modified;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

Waste Disposal

CRA stored soil cuttings and decontamination water in labeled, Department of Transportation (DOT) approved 55-gallon steel drums. On October 14, 2010, after reviewing the analytical results of profile samples, Integrated Wastestream Management (IWM) of San Jose, California removed the drums and transported soil waste to Republic Service Vasco Road Landfill in Livermore, California and purge and rinsate water to Chemical Waste Management in Kettleman City, California.

Well Completion Forms

California Department of Water Resources (DWR) well completion forms were completed and submitted to Alameda County Public Works Agency (ACPWA) for distribution, as required by ACPWA for the installation of monitoring well MW-17 and the seven destroyed soil vapor probes. DWR well completion forms are confidential and, therefore, only available upon request from ACPWA or DWR.

2.1 MONITORING WELL INSTALLATION

Permits

CRA installed monitoring well MW-17 under ACPWA permit W2010-0004 and City of Oakland permits ENMI09221, OB100560, and X1001250. Copies of these permits are included in Appendix C.

Utility Clearance

The proposed well location was in close proximity of a sanitary sewer line. NORCAL physically measured the depth of the utility to be roughly 12 fbg. Per Chevron and CRA safety procedures the location was hand cleared to 14 fbg, past the sanitary sewer utility, using a hand auger, to ensure no underground utilities were near the proposed location.

Well Installation

On October 9, 2010, the well boring was advanced to a total depth of 35 fbg using a 2.25-inch outside diameter hydraulic-push sampler lined with four-foot long acetate liners. After collecting soil samples, the boring was backfilled to 25 fbg with bentonite pellets. The boring was advanced again using 3.5-inch diameter rods to 25 fbg and completed as monitoring well MW-17. Well MW-17 was constructed using 1-inch diameter Schedule 40 polyvinyl chloride (PVC) casing and 7 feet of 0.010-inch slotted screen from 17 to 24 fbg. Monterey #2/12 sand was used to fill the annular space from 25 fbg to approximately two feet above the well screen. A two-foot hydrated bentonite seal was placed above the sand-pack. The well was completed with Portland Type I/II cement, filling the annular space surrounding the well casing to approximately 0.5 fbg. A well box equipped with a traffic rated lid was installed to grade. The well log for MW-17 is included in Appendix D. CRA's standard operating procedures for direct-push soil borings and monitoring well installation are included in Appendix E.

Well Development and Sampling

On October 16, 2010, Blaine Tech Services, Inc. (Blaine Tech) developed well MW-17 and on October, 30 2010 sampled the well. Blaine Tech's November 3, 2010 monitoring and sampling report and well development data are included in Appendix F. Soil analytical

results are presented in Tables 1 through 3 and groundwater analytical results are presented in Tables 4 and 5. The laboratory analytical reports are included in Appendix G.

Well Survey

On October 16, 2010, Morrow Surveying of Sacramento, California surveyed the latitude, longitude, and top of casing (TOC) elevation of all the site's wells to GeoTracker survey standards. Well survey data is presented in Appendix H.

2.2 SOIL BORING ADVANCEMENT

Permits

CRA advanced soil borings SB9 through SB11 under ACPWA permit W2010-0005 and City of Oakland permits ENMI09221, OB100561, X1001251, and X1001254. Copies of these permits are included in Appendix C.

Utility Clearance

Per Chevron and CRA safety procedures, each boring location was hand cleared to 8 fbg using a hand auger to ensure no underground utilities were near the proposed locations.

Soil Boring Advancement

On October 10, 2010, the soil borings were advanced to 30 fbg using a 2.25-inch outside diameter hydraulic-push sampler lined with four-foot long acetate liners. After collecting soil samples, the borings were grouted with Portland Type I/II cement through a tremmie pipe. The borings were patched with concrete to grade. Boring logs for SB9, SB10, and SB11 are included in Appendix D. CRA's standard operating procedures for direct-push soil borings and monitoring well installation are included in Appendix E.

Grab-Groundwater Sampling

Grab-groundwater samples were collected form the first encountered groundwater through temporary casings using disposable bailers. Grab-groundwater samples were decanted into clean, laboratory-provided sample containers, labeled, recorded on chain-of-custody forms, placed on ice, and shipped to Lancaster Laboratories for analysis.

Laboratory Analysis: Grab-groundwater samples were analyzed by Lancaster Laboratories for the following:

- Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015B Modified with silica gel cleanup;
- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B Modified;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), and ethanol by EPA Method 8260B

Soil analytical results are presented in Tables 1 through 3 and groundwater analytical results are presented in Tables 4 and 5. The laboratory analytical reports are included in Appendix G.

2.3 SOIL VAPOR PROBE DESTRUCTIONS

Permits

CRA destroyed onsite soil vapor probes VP-1R, VP-2, VP-3, VP-4R, VP-5R, VP-6, and VP-7 under ACPWA permit W2010-0724. A copy of this permit is included in Appendix C.

Drilling Method

On October 11, 2010, soil vapor probes were over-drilled to the total depth of each original boring using a 4-inch outside diameter hand auger. The hand augers were advanced to 10.5 fbg, until native material was observed in the hand auger bucket. The borings were then filled nearly to grade with Portland Type I/II neat cement. The borings were patched flush to grade with concrete.

3.0 INVESTIGATION RESULTS

3.1 LITHOLOGY

Soil encountered beneath the asphalt and baserock consisted of silty sand and sand to approximately 25 fbg, underlain by silt, sandy silt and silty sand to approximately 35 fbg, the total depth explored during this investigation. Soils encountered during this investigation are consistent with previously logged soils at and near the site. Boring logs are presented in Appendix D.

3.2 HYDROCARBONS IN SOIL

The highest concentrations detected included 1,200 milligrams per kilogram (mg/kg) TPHd and 3,600 mg/kg TPHg from MW-17 at 24 fbg. The highest benzene concentration detected was 0.003 mg/kg from SB9 at 21 fbg. No MTBE was detected. Horizontal extent of hydrocarbons is adequately delineated by soil analytical data. The vertical extent of hydrocarbons is defined to below detection limits onsite and offsite. Soil analytical data and Environmental Screening Levels (ESLs)[3] are summarized in Tables 1 through 3.

3.3 HYDROCARBONS IN GROUNDWATER

Grab-groundwater samples from borings SB9, SB10, and SB11 contained a maximum of 980 micrograms per liter (µg/L) TPHd, 5,100 µg/L TPHg, and 82 µg/L benzene in SB-9. No MTBE was detected. On October 30, 2010, Blaine Tech collected a groundwater sample from MW-17 that contained 11,000 µg/L TPHg and 200 µg/L benzene. No MTBE was detected. TPHd is not part of the established groundwater sampling program at the site.

Ethanol was detected in groundwater sample collected from MW-17. This is most likely attributed to the bentonite pellets used to seal the boring beneath the screen interval. Some types of coated bentonite pellets can release a small amount of ethanol. CRA has previously observed this phenomena and ethanol concentrations rapidly attenuated to below detection limits. In addition, the site has not operated as a service station since 1972 and ethanol was never detected onsite.

Dissolved hydrocarbons are below detected limits in wells MW-13 and MW-15 and were historically below detection limits in destroyed wells MW-1 through MW-6, MW-8, MW-10, MW-11, MW-12, and MW-14. The hydrocarbon plume is primarily located beneath the intersection of Harrison and 17th Streets. Historical aerial photographs and Sanborn® insurance maps indicate a fuel station was located at the northeast corner of the intersection of Harrison and 17th Streets, adjacent to MW-16, SB9, SB10, and SB11. The station building appears in the above records from 1946 to 1969.

[3] Environmental Screening Levels 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.

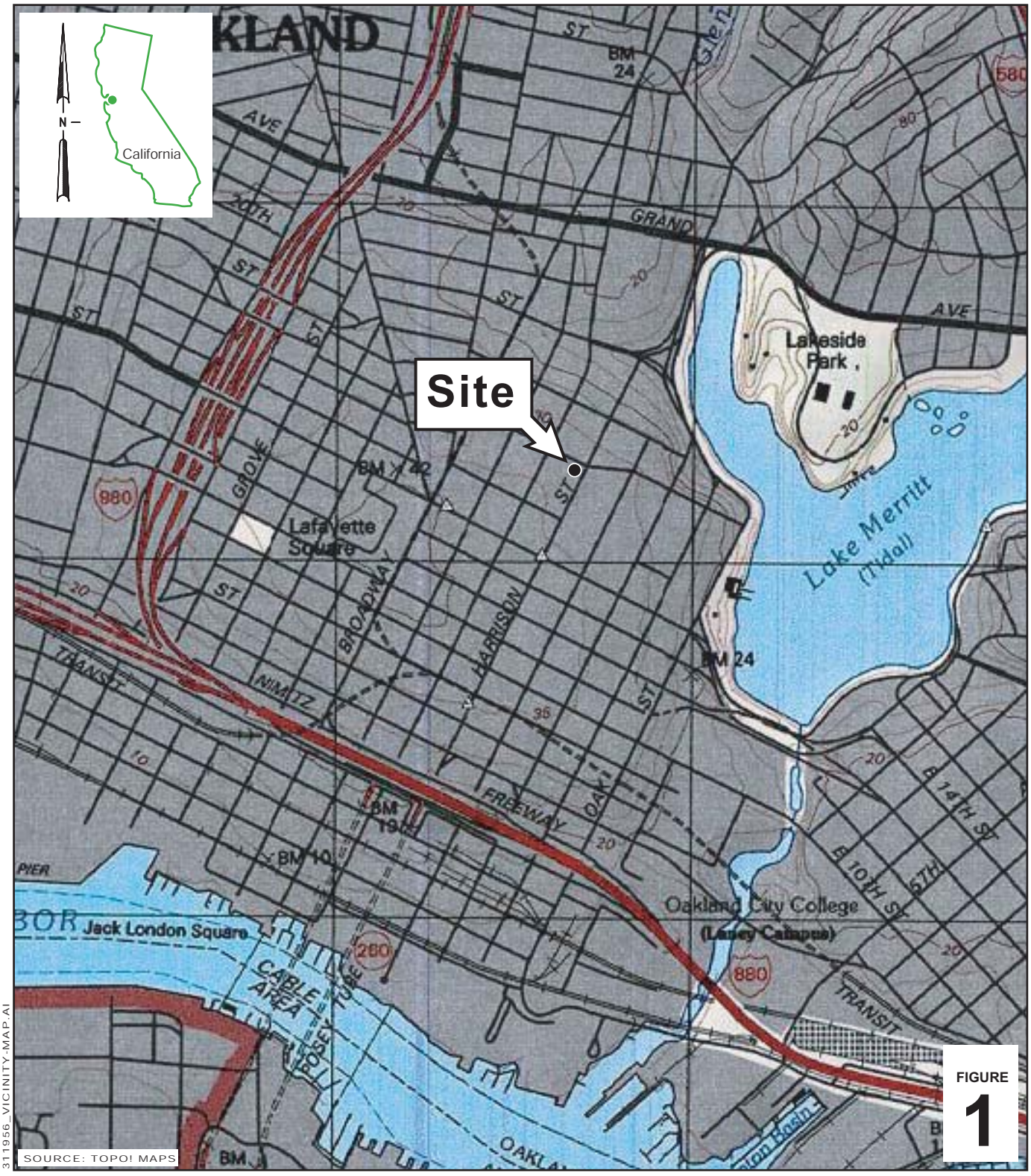
4.0 CONCLUSIONS AND RECOMMENDATIONS

- No hydrocarbon concentrations in soil from borings SB9, SB10, or SB11 exceed the applicable ESLs.
- The only applicable groundwater ESLs exceeded, are the groundwater protection ESLs for a drinking water resource. However, no wells that utilize groundwater for a beneficial use exist in the area and dissolved hydrocarbon concentrations in MW-16 have began to decrease.
- A historical gas station was located on the northeast corner at the intersection of Harrison and 17th Streets

CRA installed offsite well MW-17 to monitor dissolved hydrocarbon concentrations downgradient of former onsite well MW-7. CRA recommends monitoring and sampling well MW-17 quarterly for one year to monitor the effectiveness of onsite source removal remediation. To assess if bioremediation occurring at the site, CRA recommends adding a suite of bioparameters (dissolved oxygen, oxidation reduction potential, nitrate, sulfate, ferrous iron, and methane) to the monitoring and sampling program for one event for all monitoring wells. Bioparameter data will be collected from all the site wells during the First Quarter of 2011 and submitted in a letter approximately 90 days following the sampling event.

FIGURES

11/11/10



311956_VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Chevron Station 9-0020

1633 Harrison Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

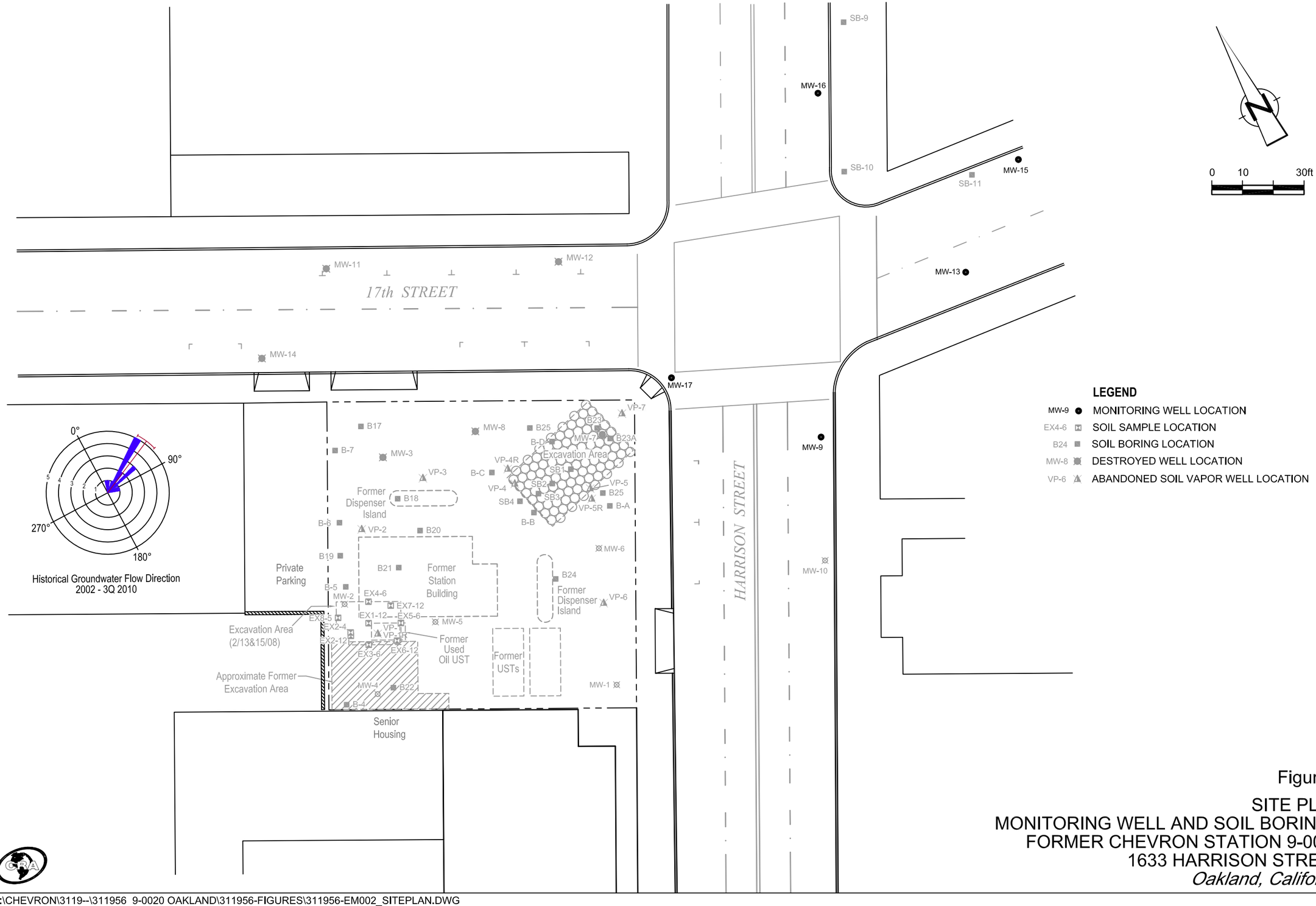


Figure 2

SITE PLAN
MONITORING WELL AND SOIL BORINGS
FORMER CHEVRON STATION 9-0020
1633 HARRISON STREET
Oakland, California

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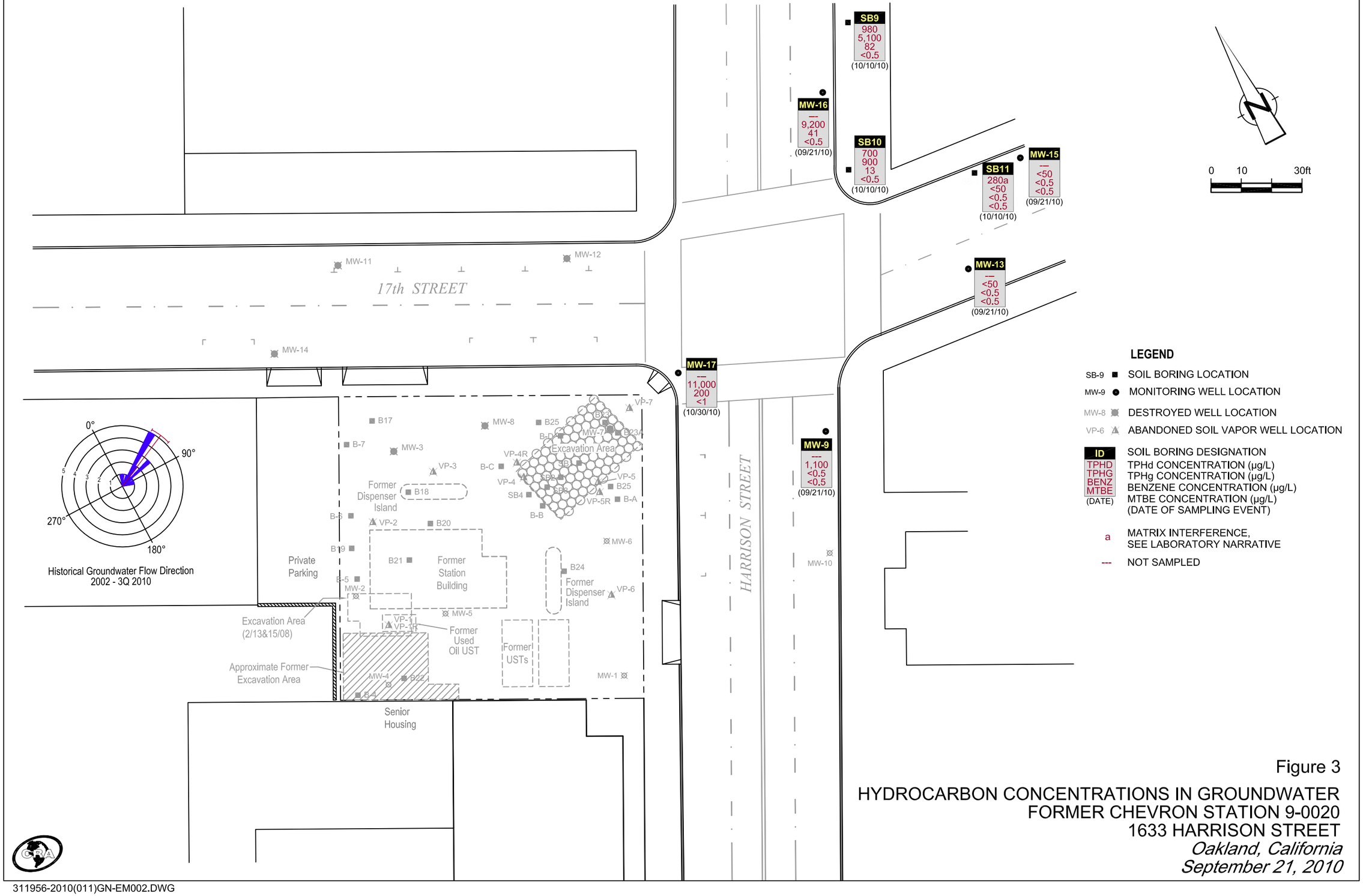

Figure 3

HYDROCARBON CONCENTRATIONS IN GROUNDWATER
FORMER CHEVRON STATION 9-0020
1633 HARRISON STREET
Oakland, California
September 21, 2010

311956-2010(011)GN-EM002.DWG

TABLES

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
MW-17	10/09/10	5.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
MW-17	10/09/10	10.0	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--
MW-17	10/09/10	15.0	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--
MW-17	10/09/10	20.0	--	12	**190**	<0.024	<0.048	0.20	0.47	<0.024	--	--	--	--	--	--	--
MW-17	10/09/10	24.0	--	**1,200**	**3,600**	<0.46	2.0	**18**	**25**	<0.46	--	--	--	--	--	--	--
MW-17	10/09/10	30.0	--	<4.0	3.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--
MW-17	10/09/10	34.5	--	<4.0	<1	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	5.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	19.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	21.0	--	<4.0	<1	0.003	0.002	<0.001	0.002	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	23.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	28.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB9	10/10/10	29.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	15.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	20.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	24.0	--	<4.0	<1	0.0009	0.001	0.001	0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	28.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB10	10/10/10	29.5	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	10.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	18.0	--	<4.0	<10	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
SB11	10/10/10	22.0	--	5.4	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	25.0	--	<4.0	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
SB11	10/10/10	29.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
2009 Additional Onsite Investigation																	
SB7	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
SB7	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
SB7	10/14/09	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
SB7	10/14/09	20.5	--	14	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
SB7	10/14/09	23.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
SB7	10/14/09	26.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
SB8	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
SB8	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
SB8	10/14/09	15.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
SB8	10/14/09	19.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
SB8	10/14/09	24.5	--	<4.0	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
SB8	10/14/09	28.5	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-7	10/14/09	5.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-7	10/14/09	10.0	--	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
2008 Remedial Activities (Bucket Augering)																	
BA1	02/07/08	22-25	--	--	**6,400**	0.033	0.25	**6.5**	**10**	<0.024	--	<0.97	<0.048	<0.048	<0.048	**0.25**	<0.048
BA2	02/05/08	22-25	--	--	**780**	**0.045**	0.36	2.2	**5.8**	<0.027	--	<1.1	<0.053	<0.053	<0.053	<0.053	<0.053
BA3	02/06/08	22-25	--	--	38	<0.0005	<0.001	0.005	0.008	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA4	02/05/08	22-25	--	--	**460**	<0.023	0.053	0.62	0.58	<0.023	--	<0.93	<0.047	<0.047	<0.047	<0.047	<0.047
BA5	02/06/08	22-25	--	--	**160**	<0.023	<0.046	0.16	0.26	<0.023	--	<0.92	<0.046	<0.046	<0.046	<0.046	<0.046
BA6	02/05/08	22-25	--	--	**230**	<0.026	<0.051	<0.051	0.13	<0.026	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051
BA7	02/06/08	22-25	--	--	59	<0.024	0.054	0.24	1.0	<0.024	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	***0.044***	*2.9*	*3.3*	*2.3*	***0.0232***	*NE*	***0.075***	*NE*	*NE*	*NE*	***0.00033***	***0.0045***
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			***12,000***	***4,200***	***4,200***	*12*	***650***	***210***	***420***	***2,800***	*NE*	***320,000***	*NE*	*NE*	*NE*	*1.7*	*21*
BA8	02/07/08	22-25	--	--	15	<0.024	0.051	0.46	1.8	<0.024	--	<0.96	<0.048	<0.048	<0.048	<0.048	<0.048
BA9	01/21/08	22-25	--	--	7.0	0.001	0.003	0.024	0.035	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
BA10	01/22/08	22-25	--	--	**3,600**	<0.026	0.21	**4.5**	**8.0**	<0.026	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051
BA11	01/23/08	22-25	--	--	69	<0.028	<0.055	<0.055	<0.055	<0.028	--	<1.1	<0.055	<0.055	<0.055	<0.055	<0.055
BA12	01/22/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA13	01/18/08	22-25	--	--	13	0.003	0.023	0.11	0.3	<0.0005	--	<0.021	<0.001	<0.001	<0.001	**0.004**	<0.001
BA14	01/21/08	22-25	--	--	12	0.002	0.012	0.044	0.13	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA15	01/18/08	22-25	--	--	1.9	0.002	0.014	0.042	0.13	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA16	01/22/08	22-25	--	--	1.8	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA17	01/23/08	22-25	--	--	75	<0.026	<0.052	<0.052	<0.052	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052
BA18	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA19	01/25/08	22-25	--	--	4.2	0.001	0.007	0.049	0.11	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA20	01/24/08	22-25	--	--	14	<0.0005	<0.001	0.015	0.012	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA21	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	0.01	0.026	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA22	01/24/08	22-25	--	--	1.1	<0.0005	0.004	0.018	0.053	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA23	01/23/08	22-25	--	--	67	0.0008	0.004	0.11	0.33	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA24	01/21/08	22-25	--	--	**190**	<0.026	<0.052	0.064	0.097	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052
BA25	01/22/08	22-25	--	--	72	0.001	0.006	0.099	0.16	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA26	01/21/08	22-25	--	--	**120**	<0.025	<0.051	0.42	1.1	<0.025	--	<1.0	<0.051	<0.051	<0.051	<0.051	<0.051
BA27	01/22/08	22-25	--	--	<1.0	<0.0005	<0.001	0.001	0.002	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA28	01/18/08	22-25	--	--	**130**	0.003	0.027	0.001	0.002	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA29	01/21/08	22-25	--	--	71	0.001	0.002	0.12	0.21	<0.0005	--	<0.019	<0.0009	<0.0009	<0.0009	<0.0009	<0.0009
BA30	01/18/08	22-25	--	--	19	0.002	0.012	0.044	0.14	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA31	01/23/08	22-25	--	--	8.7	<0.0005	<0.001	0.025	0.025	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA32	01/25/08	22-25	--	--	**180**	0.023	<0.046	0.45	0.49	<0.023	--	<0.92	<0.046	<0.046	<0.046	<0.046	<0.046
BA33	02/01/08	22-25	--	--	3.1	0.0005	0.001	0.016	0.036	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA34	01/31/08	22-25	--	--	**200**	<0.025	<0.050	0.1	0.22	<0.025	--	<0.99	<0.050	<0.050	<0.050	<0.050	<0.050
BA35	02/01/08	22-25	--	--	<1.0	<0.0006	<0.001	0.019	0.044	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA36	01/31/08	22-25	--	--	8.0	0.0005	<0.001	0.062	0.11	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
BA37	01/30/08	22-25	--	--	2.5	<0.0005	<0.001	0.018	0.039	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA38	01/24/08	22-25	--	--	82	<0.023	<0.047	0.18	0.42	<0.023	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047
BA39	01/21/08	22-25	--	--	49	<0.0005	<0.001	0.03	0.058	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA40	01/22/08	22-25	--	--	6.0	<0.0005	0.001	0.031	0.07	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA41	01/21/08	22-25	--	--	68	<0.024	<0.048	0.078	0.32	<0.024	--	<0.96	<0.048	<0.048	<0.048	<0.048	<0.048
BA42	01/22/08	22-25	--	--	16	<0.0006	<0.001	0.036	0.079	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA43	01/21/08	22-25	--	--	34	<0.026	<0.052	0.076	0.11	<0.026	--	<1.0	<0.052	<0.052	<0.052	<0.052	<0.052
BA44	01/22/08	22-25	--	--	6.2	<0.0005	<0.001	0.008	0.013	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA45	01/18/08	22-25	--	--	3.5	<0.0005	<0.001	0.002	0.002	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA46	01/23/08	22-25	--	--	**90**	<0.027	<0.054	0.6	0.7	<0.027	--	<1.1	<0.054	<0.054	<0.054	<0.054	<0.054
BA47	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA48	02/01/08	22-25	--	--	53	<0.0005	<0.001	0.16	0.61	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA49	01/31/08	22-25	--	--	30	<0.0005	<0.001	0.02	0.061	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA50	02/04/08	22-25	--	--	**160**	<0.024	<0.047	0.11	0.15	<0.024	--	<0.94	<0.047	<0.047	<0.047	<0.047	<0.047
BA51	01/29/08	22-25	--	--	7.4	<0.0005	<0.001	0.002	0.003	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA52	01/30/08	22-25	--	--	6.3	<0.0005	<0.001	0.008	0.012	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA53	01/24/08	22-25	--	--	4.0	<0.0005	<0.001	0.002	0.002	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA54	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA55	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA56	02/04/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA57	02/05/08	22-25	--	--	10	<0.0005	<0.001	0.004	0.009	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA58	01/31/08	22-25	--	--	6.1	<0.0005	<0.001	0.003	0.005	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA59	01/28/08	22-25	--	--	4.2	<0.0005	<0.001	0.006	0.01	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA60	01/29/08	22-25	--	--	11	<0.0005	<0.001	<0.001	0.002	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA61	01/23/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA62	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA63	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA64	02/06/08	22-25	--	--	2.5	<0.0005	<0.001	<0.001	0.003	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA65	02/07/08	22-25	--	--	49	<0.0005	<0.001	0.007	0.014	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
BA66	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA67	01/30/08	22-25	--	--	4.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA68	01/28/08	22-25	--	--	2.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA69	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA70	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA71	02/04/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA72	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA73	02/01/08	22-25	--	--	7.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA74	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.022	<0.001	<0.001	<0.001	<0.001	<0.001
BA75	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA76	01/23/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA77	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA78	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA79	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA80	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA81	01/29/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA82	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA83	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA84	01/24/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA85	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA86	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA87	02/06/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA88	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA89	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA90	01/29/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA91*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BA92	02/06/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA93	02/01/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA94	01/31/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
BA95	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA96	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA97	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.019	<0.001	<0.001	<0.001	<0.001	<0.001
BA98	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.021	<0.001	<0.001	<0.001	<0.001	<0.001
BA99	01/25/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA100	02/05/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA101	02/04/08	22-25	--	--	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	--	<0.018	<0.001	<0.001	<0.001	<0.001	<0.001
BA102	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA103	01/30/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA104	01/28/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
BA105	01/29/08	22-25	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
EX1	2/13/08	12	575	<36	<1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
~~EX2~~	~~2/13/08~~	~~4~~	~~8,970~~	~~7,800~~	~~440~~	~~<0.024~~	~~<0.047~~	~~0.35~~	~~1.1~~	~~<0.024~~	--	--	--	--	--	--	--
EX2	2/13/08	12	690	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX3	2/13/08	6	755	**330**	8.8	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX4	2/13/08	6	435	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX5	2/13/08	6	<334	14	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX6	2/13/08	12	460	<4	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX7	2/13/08	12	<334	9.7	<1	<0.0005	<0.001	<0.001	<0.001	<0.0005	--	--	--	--	--	--	--
EX8	2/15/08	5	2,180	**4,500**	**680**	<0.024	<0.048	0.96	0.84	<0.024	--	--	--	--	--	--	--
2007 Vapor Probe Survey																	
~~VP-1~~	~~06/13/07~~	~~3.0~~	--	--	~~48~~	~~<0.003~~	~~0.018~~	~~0.26~~	~~1.93~~	~~<0.003~~	~~<0.51~~	~~<0.10~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~
~~VP-1~~	~~06/13/07~~	~~5.0~~	--	--	~~6.1~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-1~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
VP-2	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-2	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
VP-2	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-3	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-3	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-3	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
~~VP-4~~	~~06/13/07~~	~~3.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-4~~	~~06/13/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-4~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-5~~	~~06/13/07~~	~~3.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-5~~	~~06/13/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.099~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
~~VP-5~~	~~06/13/07~~	~~9.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	~~<0.10~~	~~<0.020~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~
VP-6	06/13/07	3.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-6	06/13/07	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.10	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
VP-6	06/13/07	9.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.099	<0.020	<0.001	<0.001	<0.001	<0.001	<0.001
2007 Onsite Subsurface Investigation										--	--	--	--	--	--	--	--
~~SB1~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB1~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB1~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB1~~	~~04/27/07~~	~~19.5~~	--	--	~~140~~	~~<0.003~~	~~<0.005~~	~~0.026~~	~~0.01~~	--	--	--	--	--	--	--	--
~~SB1~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~0.005~~	~~0.015~~	--	--	--	--	--	--	--	--
SB1	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--
~~SB2~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB2~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB2~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB2~~	~~04/27/07~~	~~19.5~~	--	--	~~120~~	~~0.002~~	~~<0.001~~	~~0.23~~	~~0.44~~	--	--	--	--	--	--	--	--
~~SB2~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
SB2	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--
~~SB3~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB3~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB3~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB3~~	~~04/27/07~~	~~19.5~~	--	--	~~140~~	~~0.0008~~	~~0.001~~	~~0.24~~	~~0.3~~	--	--	--	--	--	--	--	--
~~SB3~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
SB3	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--
~~SB4~~	~~04/27/07~~	~~5.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB4~~	~~04/27/07~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB4~~	~~04/27/07~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB4~~	~~04/27/07~~	~~19.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
~~SB4~~	~~04/27/07~~	~~23.5~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--	--	--	--	--	--
SB4	04/27/07	27.5	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--
2004 Subsurface Investigation																	
B-17	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-17	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	<0.001	<0.001
B-17	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-18	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-18	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-18	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-19	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-19	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-19	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-20	06/28/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-20	06/28/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
B-20	06/28/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-21	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-21	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-22	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-22	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-22	06/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
~~B-23~~	~~06/29/04~~	~~10.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.005~~	--	--	--	--	--	--	--
~~B-23A~~	~~07/29/04~~	~~13.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.005~~	--	--	--	--	--	~~<0.001~~	~~<0.001~~
~~B-23A~~	~~07/29/04~~	~~15.0~~	--	--	~~<1.0~~	~~<0.0005~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.0005~~	--	--	--	--	--	--	--
~~B-23A~~	~~07/29/04~~	~~19.0~~	--	--	~~2,400~~	~~<0.062~~	~~<0.12~~	~~1.7~~	~~4.1~~	~~<0.062~~	--	--	--	--	--	--	--
~~B-23A~~	~~07/29/04~~	~~23.5~~	--	--	~~240~~	~~<0.062~~	~~<0.12~~	~~<0.12~~	~~<0.12~~	~~<0.062~~	--	--	--	--	--	--	--
~~B-23A~~	~~07/29/04~~	~~25.0~~	--	--	~~4.2~~	~~<0.001~~	~~<0.002~~	~~0.003~~	~~<0.002~~	~~<0.001~~	--	--	--	--	--	--	--
B-24	06/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-24	06/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-24	06/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-25	07/29/04	5.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-25	07/29/04	10.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-25	07/29/04	15.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-25	07/29/04	20.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
B-25	07/29/04	25.0	--	--	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.005	--	--	--	--	--	--	--
1993 Additional Environmental Assessment [1]																	
MW-15	11/11/92	20.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-15	11/11/92	30.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
MW-16	12/08/92	10.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
MW-16	12/08/92	20.0	--	--	<1	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
1992 Soil Excavation[2]																	
ES-10W	01/09/92	10.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
ES-8C	01/09/92	8.0	--	270[3]	**310**	ND	ND	0.88	**2.8**	--	--	--	--	--	--	--	--
EE-5N	01/09/92	5.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
EE-10S	01/09/92	10.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
EN-5W	01/09/92	5.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
EN-10E	01/09/92	10.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
EW-5S	01/09/92	5.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
EW-10N	01/09/92	10.0	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
E3-NE	01/09/92	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
E3-NW	01/09/92	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
E3-SW	01/09/92	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
E2S-5E	01/09/92	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
E2B	01/09/92	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
SP1	01/09/92	--	--	ND	14[4]	ND	ND	ND	0.09	--	--	--	--	--	--	--	--
SP2	01/09/07	--	--	ND	14[4]	ND	ND	ND	0.07	--	--	--	--	--	--	--	--
SP3	01/09/07	--	--	ND	5[5]	ND	0.014	0.025	**71**	--	--	--	--	--	--	--	--
1992 Subsurface Investigation[6]																	
MW-13	10/03/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-13	10/03/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-13	10/03/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	10/03/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	10/03/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	10/03/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--

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SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
B-A	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-A	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-A	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-A	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-A	10/05/91	30.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-B	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-B	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-B	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-B	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-C	10/05/91	10.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-C	10/05/91	15.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-C	10/05/91	20.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-C	10/05/91	25.0	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
B-C	10/05/91	28.5	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
~~B-D~~	~~10/05/91~~	~~10.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--
~~B-D~~	~~10/05/91~~	~~15.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--
~~B-D~~	~~10/05/91~~	~~20.0~~	--	--	~~ND~~	~~ND~~	~~ND~~	~~ND~~	~~ND~~	--	--	--	--	--	--	--	--
~~B-D~~	~~10/05/91~~	~~25.0~~	--	--	~~120~~	~~ND~~	~~0.16~~	~~0.14~~	~~1.8~~	--	--	--	--	--	--	--	--
B-D	10/05/91	28.5	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
1989 Subsurface Investigation[7]																	
B-4	04/11/89	6.0	--	--	<5.0	<0.005	<0.005	<0.005	<0.01	--	--	--	--	--	--	--	--
B-4	04/11/89	16.0	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-4	04/11/89	23.2	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-5	04/11/89	9.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-5	04/11/89	14.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-5	04/11/89	22.0	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--

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SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
B-6	04/11/89	9.5	--	--	<2.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-6	04/11/89	14.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-6	04/11/89	22.0	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-7	04/12/89	4.2	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--
B-7	04/12/89	9.2	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--
B-7	04/12/89	14.0	--	--	<0.5	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--
B-7	04/12/89	21.6	--	--	<0.5	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--
~~MW-4 (B-8)~~	~~04/12/89~~	~~4.5~~	--	--	~~600~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.002~~	--	--	--	--	--	--	--	--
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	--	--	~~600~~	~~<0.01~~	~~<0.01~~	~~<0.01~~	~~<0.02~~	--	--	--	--	--	--	--	--
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	--	--	~~450~~	~~<0.02~~	~~<0.02~~	~~<0.02~~	~~<0.04~~	--	--	--	--	--	--	--	--
MW-4 (B-8)	04/12/89	14.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--
MW-4 (B-8)	04/12/89	22.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--
MW-4 (B-8)	04/12/89	29.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--
MW-4 (B-8)	04/12/89	34.5	--	--	<1.0	<0.02	<0.02	<0.02	<0.004	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	9.0	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	14.0	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	21.0	80	--	<0.1	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	29.5	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	33.5	--	--	<5.0	<0.005	<0.005	<0.005	<0.010	--	--	--	--	--	--	--	--
MW-6 (B-10)	04/13/89	9.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-6 (B-10)	04/13/89	14.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-6 (B-10)	04/13/89	21.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-6 (B-10)	04/13/89	27.0	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~9.5~~	--	--	~~<0.1~~	~~<0.002~~	~~<0.002~~	~~<0.002~~	~~<0.004~~	--	--	--	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~14.3~~	--	--	~~<2.0~~	~~<0.0002~~	~~<0.0002~~	~~<0.0002~~	~~<0.0004~~	--	--	--	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~19.3~~	--	--	~~650~~	~~<0.01~~	~~<0.01~~	~~0.140~~	~~0.950~~	--	--	--	--	--	--	--	--

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FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	--	--	~~45,000~~	~~<0.1~~	~~4.0~~	~~3.500~~	~~12~~	--	--	--	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	--	--	~~50,000~~	~~<0.2~~	~~4.1~~	~~5.0~~	~~20~~	--	--	--	--	--	--	--	--
MW-7 (B-11)	04/13/89	29.5	--	--	<1.0	<0.001	<0.001	<0.001	<0.002	--	--	--	--	--	--	--	--
MW-8 (B-12)	04/19/89	9.5	--	--	<1.0	<0.002	0.003	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-8 (B-12)	04/19/89	14.5	--	--	<2.0	<0.005	<0.005	<0.005	<0.01	--	--	--	--	--	--	--	--
MW-8 (B-12)	04/19/89	21.0	--	--	<1.0	<0.002	0.003	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-8 (B-12)	04/19/89	24.3	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
MW-8 (B-12)	04/19/89	27.5	--	--	<1.0	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	--
B-13	06/18/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-13	06/18/90	21.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-13	06/18/90	28.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-14	06/19/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-14	06/19/90	21.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-14	06/19/90	29.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-15	06/20/90	16.0	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-15	06/20/90	19.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-15	06/20/90	25.2	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-16	06/21/90	6.2	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-16	06/21/90	10.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-16	06/21/90	15.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-16	06/21/90	18.8	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
B-16	06/21/90	25.6	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
1989 Soil Sampling and Monitoring Well Installation [8]																	
MW-1 (B-1)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-1 (B-1)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*Total Oil and Grease (mg/kg)*	*TPHd (mg/kg)*	*TPHg (mg/kg)*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethyl-benzene (mg/kg)*	*Total Xylenes (mg/kg)*	*MTBE (mg/kg)*	*Ethanol (mg/kg)*	*TBA (mg/kg)*	*DIPE (mg/kg)*	*ETBE (mg/kg)*	*TAME (mg/kg)*	*EDB (mg/kg)*	*1,2-DCA (mg/kg)*
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*83*	*83*	*0.044*	*2.9*	*3.3*	*2.3*	*0.0232*	*NE*	*0.075*	*NE*	*NE*	*NE*	*0.00033*	*0.0045*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*12,000*	*4,200*	*4,200*	*12*	*650*	*210*	*420*	*2,800*	*NE*	*320,000*	*NE*	*NE*	*NE*	*1.7*	*21*
MW-1 (B-1)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-1 (B-1)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-1 (B-1)	10/26/88	29.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-1 (B-1)	10/26/88	34.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	19.0	--	--	12	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	25.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-2 (B-2)	10/26/88	30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	5.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	10.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	15.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	20.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	25.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	30.0	--	--	<10	<0.3	<0.3	<0.3	<0.3	--	--	--	--	--	--	--	--
MW-3 (B-3)	10/26/88	34.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL DATA: PETROLEUM HYDROCARBONS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Total Oil and Grease (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	Ethanol (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)
[1] *ESL: Soil Leaching, Current or potential drinking water source (Table G)*			*NE*	*83*	*83*	***0.044***	*2.9*	*3.3*	*2.3*	***0.0232***	*NE*	***0.075***	*NE*	*NE*	*NE*	***0.00033***	***0.0045***
[1] *ESL: Direct Exposure, Construction/Trench Worker (Table K-3)*			***12,000***	***4,200***	***4,200***	*12*	***650***	***210***	***420***	***2,800***	*NE*	***320,000***	*NE*	*NE*	*NE*	***1.7***	***21***

Abbreviations/Notes:

Total Petroleum hydrocarbons as Diesel (TPHd) by EPA method 8015B mod with silica gel cleanup unless otherwise noted.

Total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015 unless otherwise noted.

Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl alcohol (MTBE), ethanol, t-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA method 8260 unless otherwise noted.

[1]ESL = Environmental Screening Levels 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, Intermin Final November 2007, Revised May 2008.

NE = Not established

[2]TPHd, TPHg and BTEX by unknown method.

[3]Diesel range concentration noted, non standard diesel pattern observed.

[4]Gasoline concentration noted, non standard gasoline pattern observed.

[5]Gasoline concentration noted, majority of peaks observed in Diesel range.

[6] TPHg by EPA method 8015/5030, BTEX by EPA method 8020, Halogenated Volatile Organics (HVOCs) by EPA method 8010.

[7] TPHg reported as Total Purgeable Petroleum Hydrocarbons (TPPH) by EPA method 8260, Oil and Grease by EPA Method 503E, Metals cadmium (Cd), chromium (Cr), lead (Pb), and zinc (Zn) by EPA methods 7131, 7191,

[8] TPHg reported as Total Fuel Hydrocarbons (TFH) by EPA method 8015, BTEX by EPA method 8020.

Fbg = Feet below grade.

*=sample not collected.

ND = Not detected above unknown or various laboratory detection limits.

-- = Not analyzed or not applicable.

<x = Not detected above lab detection limit.

Bold = Concentration exceeds applicable ESL.

~~Strikethrough~~ = Soil excavated.

TABLE 2

SOIL ANALYTICAL DATA: OTHER COMPOUNDS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Carbon Tetrachloride (mg/kg)	Chloroform (mg/kg)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE (mg/kg)	t-1,2-DCE (mg/kg)	c-1,2-DCE (mg/kg)	1,1,1-TCA (mg/kg)	1,2-DCP (mg/kg)	1,1-DCE (mg/kg)	Total Organic Carbon (mg/kg)	PCBs (mg/kg)	Methanol (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			***0.11***	***2.1***	***0.7***	***0.46***	***0.0045***	***0.67***	***0.19***	***7.8***	***0.12***	***0.2***	***NE***	***6.3***	***NE***
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			***1.9***	***63***	***30***	***170***	***21***	***420***	***270***	***1,200***	***37***	***200***	***NE***	***6.7***	***NE***
2007 Vapor Probe Survey															
~~VP-1~~	~~06/13/07~~	~~3.0~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--
~~VP-1~~	~~06/13/07~~	~~5.0~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
VP-1	06/13/07	9.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-2	06/13/07	3.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-2	06/13/07	5.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-2	06/13/07	9.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-3	06/13/07	3.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-3	06/13/07	5.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-3	06/13/07	9.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
~~VP-4~~	~~06/13/07~~	~~3.0~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
~~VP-4~~	~~06/13/07~~	~~5.0~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
~~VP-4~~	~~06/13/07~~	~~9.5~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
~~VP-5~~	~~06/13/07~~	~~3.0~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
~~VP-5~~	~~06/13/07~~	~~5.0~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
~~VP-5~~	~~06/13/07~~	~~9.5~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	~~<0.001~~	--	--	--
VP-6	06/13/07	3.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-6	06/13/07	5.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
VP-6	06/13/07	9.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	--	--	--
2008 Remedial Activities (Bucket Augering)															
EX1	2/13/08	12	--	--	--	--	--	--	--	--	--	--	--	ND	0.36
~~EX2~~	~~2/13/08~~	~~4~~	--	--	--	--	--	--	--	--	--	--	--	~~ND~~	~~0.59~~
EX2	2/13/08	12	--	--	--	--	--	--	--	--	--	--	--	ND	0.35
EX3	2/13/08	6	--	--	--	--	--	--	--	--	--	--	--	0.0084	0.43
EX4	2/13/08	6	--	--	--	--	--	--	--	--	--	--	--	ND	0.65

TABLE 2

SOIL ANALYTICAL DATA: OTHER COMPOUNDS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Carbon Tetrachloride (mg/kg)	Chloroform (mg/kg)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE (mg/kg)	t-1,2-DCE (mg/kg)	c-1,2-DCE (mg/kg)	1,1,1-TCA (mg/kg)	1,2-DCP (mg/kg)	1,1-DCE (mg/kg)	Total Organic Carbon (mg/kg)	PCBs (mg/kg)	Methanol (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			***0.11***	***2.1***	***0.7***	***0.46***	***0.0045***	***0.67***	***0.19***	***7.8***	***0.12***	***0.2***	***NE***	***6.3***	***NE***
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			***1.9***	***63***	***30***	***170***	***21***	***420***	***270***	***1,200***	***37***	***200***	***NE***	***6.7***	***NE***
EX5	2/13/08	6	--	--	--	--	--	--	--	--	--	--	--	ND	0.61
EX6	2/13/08	12	--	--	--	--	--	--	--	--	--	--	--	ND	0.43
EX7	2/13/08	12	--	--	--	--	--	--	--	--	--	--	--	ND	<0.20
EX8	2/15/08	5	--	--	--	--	--	--	--	--	--	--	--	ND	0.27
1993 Additional Environmental Assessment [2]															
MW-15	11/11/92	20.0	--	--	--	--	--	--	--	--	--	--	120	--	--
MW-15	11/11/92	30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	12/08/92	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	12/08/92	20.0	--	--	--	--	--	--	--	--	--	--	60	--	--
1989 Subsurface Investigation [3]															
~~MW-4 (B-8)~~	~~04/12/89~~	~~4.5~~	~~<0.001~~	--	~~<0.001~~	~~<0.001~~	--	--	--	~~<0.001~~	--	--	--	--	--
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	~~<0.01~~	--	~~<0.01~~	~~<0.01~~	--	--	--	~~0.1~~	--	--	--	--	--
~~MW-4 (B-8)~~	~~04/12/89~~	~~9.6~~	~~<0.02~~	--	~~<0.02~~	~~<0.02~~	--	--	--	~~0.90~~	--	--	--	--	--
MW-4 (B-8)	04/12/89	14.5	<0.02	--	<0.02	<0.02	--	--	--	<0.002	--	--	--	--	--
MW-4 (B-8)	04/12/89	22.5	<0.02	--	<0.02	<0.02	--	--	--	<0.002	--	--	--	--	--
MW-4 (B-8)	04/12/89	29.5	<0.02	--	<0.02	<0.02	--	--	--	<0.002	--	--	--	--	--
MW-4 (B-8)	04/12/89	34.5	<0.02	--	<0.02	<0.02	--	--	--	<0.002	--	--	--		
MW-5 (B-9)	04/14/89	9.0	<0.005	--	<0.005	<0.005	--	--	--	<0.005	--	--	--	--	--
MW-5 (B-9)	04/14/89	14.0	<0.005	--	<0.005	<0.005	--	--	--	<0.005	--	--	--	--	--
MW-5 (B-9)	04/14/89	21.0	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-5 (B-9)	04/14/89	29.5	<0.005	--	<0.005	<0.005	--	--	--	<0.005	--	--	--	--	--
MW-5 (B-9)	04/14/89	33.5	<0.005	--	<0.005	<0.005	--	--	--	<0.005	--	--	--	--	--
MW-6 (B-10)	04/13/89	9.5	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-6 (B-10)	04/13/89	14.5	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-6 (B-10)	04/13/89	21.5	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-6 (B-10)	04/13/89	27.0	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--

TABLE 2

SOIL ANALYTICAL DATA: OTHER COMPOUNDS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Carbon Tetrachloride (mg/kg)	Chloroform (mg/kg)	PCE (mg/kg)	TCE (mg/kg)	1,2-DCE (mg/kg)	t-1,2-DCE (mg/kg)	c-1,2-DCE (mg/kg)	1,1,1-TCA (mg/kg)	1,2-DCP (mg/kg)	1,1-DCE (mg/kg)	Total Organic Carbon (mg/kg)	PCBs (mg/kg)	Methanol (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			**0.11**	**2.1**	**0.7**	**0.46**	**0.0045**	**0.67**	**0.19**	**7.8**	**0.12**	**0.2**	**NE**	**6.3**	**NE**
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			**1.9**	**63**	**30**	**170**	**21**	**420**	**270**	**1,200**	**37**	**200**	**NE**	**6.7**	**NE**
~~MW-7 (B-11)~~	~~04/13/89~~	~~9.5~~	~~<0.002~~	--	~~<0.002~~	~~<0.002~~	--	--	--	~~<0.002~~	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~14.3~~	~~<0.0002~~	--	~~<0.0002~~	~~<0.0002~~	--	--	--	~~<0.002~~	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~19.3~~	~~<0.10~~	--	~~<0.10~~	~~<0.10~~	--	--	--	~~<0.10~~	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	~~<0.1~~	--	~~<0.1~~	~~<0.1~~	--	--	--	~~0.2~~	--	--	--	--	--
~~MW-7 (B-11)~~	~~04/13/89~~	~~23.5~~	~~<0.2~~	--	~~<0.2~~	~~<0.2~~	--	--	--	~~<0.2~~	--	--	--	--	--
MW-7 (B-11)	04/13/89	29.5	<0.001	--	<0.001	<0.001	--	--	--	<0.001	--	--	--	--	--
MW-8 (B-12)	04/19/89	9.5	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-8 (B-12)	04/19/89	14.5	<0.005	--	<0.005	<0.005	--	--	--	<0.005	--	--	--	--	--
MW-8 (B-12)	04/19/89	21.0	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-8 (B-12)	04/19/89	24.3	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--
MW-8 (B-12)	04/19/89	27.5	<0.002	--	<0.002	<0.002	--	--	--	<0.002	--	--	--	--	--

Abbreviations/Notes:

Carbon Tetracholoride, chloroform, perchloroethylene (PCE), tetrachloroethene (TCE), 1,2-dichloroethene (1,2-DCE), tert-1,2-dichloroethene (t-1,2-DCE), cis-1,2-dichloroethene (c-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,2-Dichloropropane (1,2-DCP), 1,1-Dichloroethane (1,2-DCE) by EPA Method 8260B.

Total Organic Carbon by EPA method 9060.

Poly chlorinated biphenyl (PCBs) by EPA method 8082.

Methanol by EPA method 8015.

[1]ESL = Environmental Screening Levels 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, Intermin Final November 2007, Revised May 2008.

[2]TPHd, TPHg and BTEX by unknown method.

[3] TPHg reported as Total Purgeable Petroleum Hydrocarbons (TPPH) by EPA method 8260, Oil and Grease by EPA Method 503E, Metals cadmium (Cd), chromium (Cr), lead (Pb), and zinc (Zn) by EPA methods 7131, 7191, 7421, and

fbg = Feet below grade.

*=sample not collected.

ND = Not detected above unknown or various laboratory detection limits.

-- = Not analyzed or not applicable.

<x = Not detected above lab detection limit.

Bold = Concentration exceeds applicable ESL.

~~Strikethrough~~ = Soil excavated.

TABLE 3

SOIL ANALYTICAL DATA: METALS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Hg (mg/kg)	Tl (mg/kg)	As (mg/kg)	Se (mg/kg)	Sb (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Cd (mg/kg)	Cr (III) (mg/kg)	Co (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	Ag (mg/kg)	V (mg/kg)	Zn (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*58*	*62*	*15*	*3,900*	*310*	*2,600*	*98*	*39*	*1,200,000*	*94*	*310,000*	*750*	*3,900*	*260*	*3,900*	*770*	*23,000*
2008 Remedial Activities (Bucket Augering)																			
EX1	2/13/08	12	<0.102	3.04	4.01	<0.96	<0.885	71.8	0.243	0.741	86.9	7.22	7.87	2.68	<0.402	55.1	0.404	50.2	26.9
~~EX2~~	~~2/13/08~~	~~4~~	~~0.0178~~	~~1.8~~	~~3.26~~	~~<0.95~~	~~<0.877~~	~~76~~	~~0.304~~	~~0.569~~	~~54.6~~	~~15.9~~	~~10.2~~	~~4.16~~	~~0.422~~	~~31.3~~	~~0.476~~	~~43~~	~~20.1~~
EX2	2/13/08	12	0.0118	2.55	3.8	<0.969	<0.894	71.8	0.272	0.686	74.3	7.51	7.13	3.06	<0.406	53	0.401	47.1	25.2
EX3	2/13/08	6	0.0271	2.08	3.99	<0.960	<0.885	88.4	0.359	0.635	63.8	7.31	10.3	3.85	<0.402	50.3	0.389	44.2	26.3
EX4	2/13/08	6	0.0194	2.08	3.47	<0.969	<0.894	81.4	0.303	0.608	63	7.79	9.19	3.33	<0.406	44.2	0.344	41.9	24.9
EX5	2/13/08	6	0.0196	2.03	2.57	<0.950	<0.877	76.1	0.277	0.586	61	4.91	9.39	3.11	<0.398	42.6	0.345	40.6	24.6
EX6	2/13/08	12	0.0388	2.15	3.89	<0.969	<0.894	88.6	0.325	0.675	64.1	7.73	12.7	3.95	0.423	38.1	0.399	48.9	27.8
EX7	2/13/08	12	0.0162	2.05	2.67	<0.941	<0.868	56.2	0.216	0.505	60.1	5.75	7.95	2.91	<0.394	27.4	0.368	37.6	18.6
EX8	2/15/08	5	0.0371	<0.905	2.89	<0.932	<0.860	69.8	0.305	0.0857	51.9	5.29	10.3	24.2	<0.390	37.7	<0.162	37.5	35.7
1989 Subsurface Investigation[2]																			
MW-5 (B-9)	04/14/89	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	21.0	--	--	--	--	--	--	--	<10	27	--	--	<1	--	--	--	--	17
MW-5 (B-9)	04/14/89	29.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 (B-9)	04/14/89	33.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3

SOIL ANALYTICAL DATA: METALS
FORMER CHEVRON SERVICE STATION 9-0020
1633 HARRISON STREET, OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	Hg (mg/kg)	Tl (mg/kg)	As (mg/kg)	Se (mg/kg)	Sb (mg/kg)	Ba (mg/kg)	Be (mg/kg)	Cd (mg/kg)	Cr (III) (mg/kg)	Co (mg/kg)	Cu (mg/kg)	Pb (mg/kg)	Mo (mg/kg)	Ni (mg/kg)	Ag (mg/kg)	V (mg/kg)	Zn (mg/kg)
[1] ESL: Soil Leaching, Current or potential drinking water source (Table G)			*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*	*NE*
[1] ESL: Direct Exposure, Construction/Trench Worker (Table K-3)			*58*	*62*	*15*	*3,900*	*310*	*2,600*	*98*	*39*	*1,200,000*	*94*	*310,000*	*750*	*3,900*	*260*	*3,900*	*770*	*23,000*

Abbreviations/Notes:

Total Petroleum hydrocarbons as Diesel (TPHd) by EPA method 8015B mod with silica gel cleanup unless otherwise noted.

Total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015 unless otherwise noted.

Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl alcohol (MTBE) by EPA method 8260 unless otherwise noted.

Total Organic Carbon by EPA method 9060.

Poly chlorinated biphenyl (PCBs) by EPA method 8082.

Methanol by EPA method 8015.

Mercury (Hg) by EPA method 7471A.

Thallium (Tl), arsenic(As), selenium (Se), antimony (Sb), barium (Ba), beryllium (Be), cadmium (Cm), trivalent chromium (Cr (III)), cobalt (CO), copper (Cu), lead (Pb), molybdenum (Mo), nickel (Ni), silver (Ag), vandium (V), and zinc (Zn) by EPA Method 6010B.

[1]ESL = Environmental Screening Levels 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, Intermin Final November 2007, Revised May 2008.

[2] TPHg reported as Total Purgeable Petroleum Hydrocarbons (TPPH) by EPA method 8260, Oil and Grease by EPA Method 503E, Metals cadmium (Cd), chromium (Cr), lead (Pb), and zinc (Zn) by EPA methods 7131, 7191, 7421, and 7950.

fbg = Feet below grade.

*=sample not collected.

ND = Not detectable above laboratory detection limits.

-- = Not analyzed or not applicable.

<x = Not detected above lab detection limit.

Bold = Concentration exceeds applicable ESL.

~~Strikethrough~~ = Soil excavated.

TABLE 4

GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 9-0020
1633 HARRISON STREET OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*Sample Depth (fbg)*	*TPHd (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*
ESLs [1] - Groundwater (Drinking Water Resource)			***100***	***100***	***1.0***	***40***	***30***	***20***	***5.0***	***12***	***NE***	***NE***	***NE***	***0.05***	***0.5***
SB9	10/10/10	21.0	**980**	**5,100**	**82**	**55**	17	**98**	<0.5	--	--	--	--	--	--
SB10	10/10/10	21.0	**700**	**900**	**13**	4	6	5	<0.5	--	--	--	--	--	--
SB11	10/10/10	20.0	**280** a	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
2009 Additional Onsite Investigation															
SB7	10/14/09	23.0	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
SB8	10/14/09	24.0	<320	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5	<0.5	<0.5
2007 Onsite Subsurface Investigation															
SB1	04/27/07	--	--	**11,000**	**10**	<5	**320**	**250**	--	--	--	--	--	--	--
SB2	04/27/07	--	--	**6,700**	**2**	<2	**82**	**140**	--	--	--	--	--	--	--
SB3	04/27/07	--	--	**11,000**	**1**	<0.5	**37**	**66**	--	--	--	--	--	--	--
SB4	04/27/07	--	--	**57**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
2004 Subsurface Investigation															
B-17	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-18	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-19	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-20	06/28/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-22	06/29/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-23A	07/29/04	--	--	**12,000**	**17**	**53**	**180**	**360**	--	--	--	--	--	--	--
B-24	06/29/04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
B-25	07/29/04	--	--	**480**	<0.5	<0.5	**1.0**	**2.0**	--	--	--	--	--	--	--

TABLE 4

GRAB-GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 9-0020
1633 HARRISON STREET OAKLAND, CALIFORNIA

Sample ID	Sample Date	Sample Depth (fbg)	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)
ESLs [1] - Groundwater (Drinking Water Resource)			***100***	***100***	***1.0***	***40***	***30***	***20***	***5.0***	***12***	***NE***	***NE***	***NE***	***0.05***	***0.5***

Abbreviations/Notes:

Total petroleum hydrocarbons as diesel (TPHd) by modified EPA Method 8015B with silica gel cleanup.

Total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015B.

Benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), t-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B.

Fbg = Feet below grade.

1 = Environmental Screening Levels (ESLs) for groundwater that is a current or potential drinking water source 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.

NE = Not established.

<x = Not detected above laboratory method detection limit x.

-- = Not analyzed/not applicable.

a = Matrix interference affected surrogate recovery. Reextractions were performed outside the hold time, did not confirm the original results, and were not used.

Bold = Concentration exceeds applicable ESL.

TABLE 5

GROUNDWATER ANALYTICAL DATA
FORMER CHEVRON STATION 9-0020
1633 HARRISON STREET OAKLAND, CALIFORNIA

Sample ID	*Sample Date*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*	*Ethanol (µg/L)*
ESLs [1] - Groundwater (Drinking Water Resource)		***100***	***1.0***	***40***	***30***	***20***	***5.0***	***NE***
MW-17	10/30/10	**11,000**	**200**	**1,100**	**990**	**3,000**	<1	230 J

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015B.

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

Fbg = Feet below grade.

1 = Environmental Screening Levels (ESLs) for groundwater that is a current or potential drinking water source 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.

NE = Not established.

<x = Not detected above laboratory method detection limit x.

Bold = Concentration exceeds applicable ESL.

APPENDIX A

REGULATORY LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

July 26, 2010

Mr. Aaron Costa
6001 Bollinger Canyon Road, Room 3360
PO Box 6012
San Ramon, CA 94583-2324
(sent via electronic mail to acosta@chevron.com)

Mr. Shadrick Small
Oakland Housing Authority
1805 Harrison Street
Oakland, CA 94612
(sent via electronic mail to ssmall@oakha.org)

Subject: Approval with Modifications of Work Plan Addendum, Fuel Leak Case No. RO0000143 (Global ID # T0600100304), Chevron #9-0020, 1633 Harrison Street, Oakland, CA 94612

Dear Mr. Costa and Mr. Small:

Alameda County Environmental Health (ACEH) staff has reviewed the case file and the *Work Plan Addendum for Monitoring Well Installation and Offsite Investigation* dated July 9, 2010, and submitted on your behalf by Conestoga-Rovers & Associates (CRA). Thank you for submitting the work plan addendum.

Based on ACEH staff review of the work plan addendum the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed field investigation. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or technical comments below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Clarifications to Work Plan Addendum –** With modifications and clarifications ACEH is in general concurrence with the work proposed in both the referenced work plans. These modifications and clarifications include:

    a. **Representative Shallow Soil Samples –** The work plan addendum proposes hand clearing or use of an air knife to a depth of 8 or 15 feet below grade surface (bgs) depending on bore location. As discussed in previous letters ACEH agrees that hand clearing soil bores is an important step, and recognizes that Chevron corporate preferences exist; however, ACEH is concerned that proposed total depth for hand clearing the bores may preclude collection of important shallow soil data including analytical sample collection. ACEH is also concerned that use of an air knife will volatilize target compounds resulting in low-biased analytical results, particularly in respect to well MW-17 where the screen interval has been proposed to begin at 17 feet bgs. Please ensure proper collection of shallow soil samples includes adequate instrumental screening, sampling, and analysis, if appropriate.

    b. **Collection and Analysis of Soil & Groundwater –** ACEH generally concurs with the proposed collection and the selected analytical suite outlined for soil and groundwater data contained in the work plan addendum; however, ACEH did not locate details for the minimum

number of soil samples proposed to be submitted for analysis. Please ensure that the soil samples collected are also analyzed as outlined in the work plan addendum.

c. **Well Screen Interval –** ACEH appreciates the initial effort to limit the screen interval in well MW-17 to a maximum of five feet based on previous communications from ACEH; however, ACEH acknowledges a slightly longer screen interval may be appropriate for this well. While understanding that the screen interval will ultimately be a field decision as described in the work plan, ACEH judges that a screen interval between 17 and 24 may be appropriate. This is based on the depth to water as encountered during drilling and as later measured during groundwater sampling in well MW-7. ACEH also requests that the screen interval include a portion of the sampling interval for the bucket auger soil sampling (22 to 25 feet bgs) in order to obtain analytical results from a similar interval.

TECHNICAL REPORT REQUEST

Please submit the following deliverables and technical reports to ACEH (Attention: Mark Detterman), according to the following schedule:

- **October 1, 2010 –** Soil and Groundwater Investigation

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.

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,

Mark E. Detterman, PG, CEG
Hazardous Materials Specialist

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

cc: Nathan Lee, Conestoga-Rovers & Assoc., 5900 Hollis Street, Suite A, Emeryville, CA 94608 (sent via electronic mail to nlee@craworld.com)

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Suite 3341, Oakland, CA 94612-2032 (sent via electronic mail to lgriffin@oaklandnet.com)

Karl Lauff, Christian Church Homes, 303 Hegenberger Road, Suite 201, Oakland, CA 94621-1419; (sent via electronic mail to klauff@cchnc.org)

Jeriann Alexander, Fugro West, Inc., 1009 Enterprise Way, Suite 350, Roseville, CA 95678 (sent via electronic mail to jalexander@fugro.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)
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.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

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)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: July 8, 2010
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
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

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- 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)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

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 dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Teena Le Khan.
   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 and Firefox browsers will not open the FTP site.
   b) Click on Page on upper right side of browser, 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 dehloptoxic@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

SUMMARY OF ENVIRONMENTAL INVESTIGATION AND REMEDIATION

PREVIOUS ENVIRONMENTAL INVESTIGATION AND REMEDIATION

1988 Soil Vapor Survey Investigation

EA Engineering, Science, and Technology, Inc. (EA) conducted a soil vapor survey in January 1988. A total of 22 samples were collected at 11 locations throughout the site. The highest hydrocarbon concentrations were detected in the vicinity of the former used oil UST in the southwestern section of the site. Additional information is available in EA's January 27, 1988 *Soil Vapor Contaminant Assessment Report of Investigation*.

1988 Monitoring Well Installation

In October 1988, Western Geologic Resources (WGR) installed monitoring wells MW-1 through MW-3. Additional information is available in WGR's January 24, 1989 *Soil Sampling and Monitoring Well Installation Letter*.

1989 Soil Boring and Monitoring Well Installation

WGR installed five monitoring wells MW-4 through MW-8. Additional information is available in WGR's June 1989 *Subsurface Investigation*.

June 1990 Offsite Well Installation

WGR installed four offsite monitoring wells, MW-9 through MW-12, in June 1990. The purpose was to delineate the extent of hydrocarbons downgradient and crossgradient of the site. Additional information is available in WGR's July 1990 *Offsite Subsurface Investigation*.

October 1991 Offsite Well Installation

Pacific Environmental Group (PEG) installed monitoring well MW-13 to further evaluate the extent of the dissolved hydrocarbon plume, and upgradient monitoring well MW-14 to investigate suspected offsite origination of HVOCs. Four soil borings (B-A through B-D) were advanced to assess the extent of hydrocarbons in the vicinity of well MW-7. Additional information is available in PEG's January 14, 1992 *Subsurface Investigation Report*.

December 1991 Soil Vapor Extraction Feasibility Test

PEG applied positive and negative pressures to well MW-4 using a regenerative blower and measured pressure response in surrounding wells. Soil vapor measurements and samples were collected. PEG recommended comparing additional remedial technologies. Additional information is available in PEG's April 1, 1992 *Soil Vapor Extraction Feasibility Test Letter*.

November-December 1992 Offsite Well Installation

Groundwater Technology Inc. (GTI) installed offsite monitoring wells MW-15 and MW-16 to further delineate the dissolved hydrocarbon plume downgradient. Additional information is available in GTI's February 18, 1993 *Additional Environmental Assessment Report*.

January 1992 Soil Excavation

PEG oversaw removal of hydrocarbon impacted soil from the vicinity of well MW-4 and excavation of a 30 foot long by 5 foot deep trench across the area of the former USTs to confirm that the USTs had been removed from the site. Removal of the USTs was confirmed; however, construction debris (concrete slabs and piping) were observed in soils within the former UST pit. Additional information is available in PEG's June 2, 1992 *Soil Excavation Letter Report*.

1992 Chlorinated Hydrocarbon Investigation

Geraghty & Miller, Inc. (G-M) evaluated the volatile organic compound (VOC) distribution based on existing monitoring well data and analytical data from previous excavation. The report concluded that that VOCs detected in groundwater beneath the site were from an offsite source. Additional information is available in G-M's October 5, 1992 *Evaluation of Chlorinated Hydrocarbon Distribution*.

July to December 1993 SVE Remediation System Installation and Operation

A soil vapor extraction (SVE) system was installed and operated from July 1, 1993 through December 12, 1993. System evaluation showed minimal effectiveness due to low permeability soils. The system was shut down in December 1993, and all system equipment was removed in December 1996. Additional information is available in G-M's *Quarterly Groundwater Treatment System Compliance Report*.

June 2004 Additional Subsurface Investigation

In anticipation of future site development with subsurface parking, Cambria Environmental Technology, Inc., (Cambria) conducted an additional subsurface investigation to further define residual hydrocarbons in soils. A first generation dispenser island located approximately 15 feet upgradient of monitoring well MW-17 most likely was the source of the detected hydrocarbons in soil in the vicinity of well MW-7. Additional information is available in Cambria's October 14, 2004 *Subsurface Investigation Report*.

April 2007 Onsite Subsurface Investigation

CRA advanced soil borings SB1 through SB4 upgradient of MW-7 to define the extent of hydrocarbons in soils. Additional information is available in CRA's May 25, 2007 *Onsite Subsurface Investigation Report*.

June 2007 Soil Vapor Survey Installation and Investigation

CRA installed nested soil vapor probes VP-1 through VP-6. Soil and soil vapor samples were collected from all probes and the highest hydrocarbon concentrations in soil were detected in the vicinity of the former used oil UST. Additional information is available in CRA's June 28, 2007 *Vapor Probe Survey Report*.

January – March 2008 Soil Excavation

CRA oversaw the removal of hydrocarbon-bearing soil in the vicinity of well MW-7 and in the area of the previous used-oil UST. Soil was removed using large diameter bucket augers and sealed with grout. Soil in the vicinity of the former used-oil UST was excavated with a backhoe. A total of approximately 922 cubic yards of soil were removed. Well MW-7, and vapor probes VP-1, VP-4, and VP-5 were destroyed during the excavation. VP-1R, VP-4R, and VP-5R were installed to replace the original vapor probes. Additional information is available in CRA's July 11, 2008 *Remedial Activities Report*.

October 2009 Onsite Soil Borings and Vapor Probe Installation

CRA advanced two soil borings, SB7 and SB8, downgradient of the second generation UST pit to further delineate hydrocarbons in soil and groundwater. CRA installed nested soil vapor probe VP-7 downgradient of the 2008 excavation extent. Analytical data from this investigation indicates the former second generation UST pit is not a source of residual petroleum hydrocarbons. Additional information is available in CRA's December 30, 2009 *Additional Onsite Investigation Report*.

January 2010 Attempted Offsite Well Installation

CRA attempted to install an offsite downgradient monitoring well in the intersection of Harrison and 17th Streets. Underground utilities prevented the well installation in a location suitable to Alameda County Environmental Health (ACEH). CRA proposed an alternative method for the installation of the well. Additional information is available in CRA's July 9, 2010 *Work Plan Addendum for Monitoring Well Installation and Offsite Investigation*.

March 2010 Revised Risk Assessment

CRA submitted a *Revised Risk Assessment* in response to ACEH's request for additional evaluation of potential risk associated with total petroleum hydrocarbon concentrations. The risk assessment indicated that subsurface conditions do not pose a potential risk to future onsite residents. Additional information is available in CRA's March 9, 2010 *Revised Risk Assessment*.

APPENDIX C

ALAMEDA COUNTY PUBLIC WORKS AGENCY AND CITY OF OAKLAND PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 01/04/2010 By jamesy

Permit Numbers: W2010-0004 to W2010-0005
Permits Valid from 10/09/2010 to 10/12/2010

Application Id: 1261179809099 **City of Project Site:** Oakland
Site Location: 1633 Harrison Street (@17th Street)
RO143 (Chevron 9-0020)
One well and four borings in Harrison and 17th Streets.
To minimize traffic we've scheduled this work for the weekend, 1/9 and 1/10.
Project Start Date: 01/09/2010 **Completion Date:** 01/11/2010
Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org
Extension Start Date: 10/09/2010 **Extension End Date:** 10/12/2010
Extension Count: 1 INSPECTOR STEVE MILLER CELL 510 427-2698 **Extended By:** vickyh1

Applicant: Conestoga-Rovers & Associates - Ian Hull **Phone:** 510-376-2749
5900 Hollis Street, Suite A, Emeryville, CA 94608
Property Owner: The City of Oakland **Phone:** --
250 Frank H Ogawa Plaza, Oakland, CA 94612
Client: Company Chevron Environmental Management **Phone:** --
6111 Bollinger Canyon Road, BR-Y 3660, San Ramon, CA 94583

Total Due: $662.00
Receipt Number: WR2010-0004 **Total Amount Paid:** $662.00
Payer Name : Conestoga-Rovers & Paid By: CHECK **PAID IN FULL**
Associates

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Gregg Drilling & Testing - Lic #: 485165 - Method: hstem **Work Total: $397.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2010-0004	01/04/2010	04/09/2010	MW-17	8.00 in.	2.00 in.	11.00 ft	25.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 3 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: DP

Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0005	01/04/2010	04/09/2010	3	2.00 in.	30.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/07/2010 By jamesy

Permit Numbers: W2010-0724
Permits Valid from 10/11/2010 to 10/11/2010

Application Id: 1286478130981
City of Project Site: Oakland
Site Location: 1633 Harrison Street
Project Start Date: 10/11/2010
Completion Date: 10/11/2010
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org
CELL 510 427-2698
Applicant: Conestoga-Rovers & Associates - Ian Hull
5900 Hollis Street, Suite A, Emeryville, CA 94608
Phone: 510-376-2749
Property Owner: The Oakland Housing Authority
1619 Harrison Street, Oakland, CA 94612
Phone: --
Client: Company Chevron Environmental Management
6111 Bollinger Canyon Road, San Ramon, CA 94583
Phone: --

Total Due: $265.00
Receipt Number: WR2010-0334 **Total Amount Paid:** $265.00
Payer Name : Ian M Hull Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Well Destruction-Vapor monitoring well - 7 Wells
Driller: Vapor Tech Services Inc. - Lic #: 916085 - Method: Hand **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2010-0724	10/07/2010	01/09/2011	VP-1R	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2008-0108	e072759
W2010-0724	10/07/2010	01/09/2011	VP-2	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2007-0654	e057735
W2010-0724	10/07/2010	01/09/2011	VP-3	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2007-0654	e057736
W2010-0724	10/07/2010	01/09/2011	VP-4R	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2008-0108	e072779
W2010-0724	10/07/2010	01/09/2011	VP-5R	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2008-0108	e072782
W2010-0724	10/07/2010	01/09/2011	VP-6	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	W2007-0654	e057739
W2010-0724	10/07/2010	01/09/2011	VP-7	2.25 in.	0.25 in.	4.50 ft	11.00 ft	1S/4W35	No Records	No Records

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days, including permit number and site map.

Alameda County Public Works Agency - Water Resources Well Permit

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

7. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

8. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

9. Remove the Christy box or similar structure. Destroy well by overdrilling & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

11. Vapor monitoring wells constructed with tubing shall be decomissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# ENMI09221 Job Site 1633 HARRISON ST Parcel# 008 -0625-022-00

Descr permit to place monitoring well in public right of way Filed 11/04/09

Insurance Required? YES Carrier Expires

JOB SITE

	Applcnt	Phone#	Lic#	--License Classes--
Owner	HOUSING AUTHORITY OF THE CITY			
Contractor				
Arch/Engr	CONESTOGA ROVERS & ASSOC.			
Agent	IAN HULL	X (510)376-2749		

Applic Addr 5900 HOLLIS ST, EMERYVILLE CA, 94608

$1,045.94 TOTAL FEES PAID AT FILING $.00 TOTAL FEES PAID AT ISSUANCE

$68.50 Applic	$.00 Permit
$843.00 Process	$86.59 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$47.85 Tech Enh

Recorded:
Jan 29, 2010
2010-021888

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

Good until May 6, 2010

4.13.10

ADDRESS:

DIST.

CITY OF OAKLAND

PAID
11/4/09 (mh)

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB100560 Job Site 1633 HARRISON ST Parcel# 008 -0625-022-00

Block traffic lane per approved TSD-10-0064. Permit Issued 09/29/10

Monitoring well Ref: ENMI09221.

Nbr of days: 1 Linear feet: ~~250~~ 475
Effective: 10/09/10 Expiration: 10/09/10

SHORT TERM NON-METERED

	Applcnt	Phone#	Lic#	--License Classes--
Owner HOUSING AUTHORITY OF THE CITY				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr CONESTOGA ROVERS & ASSOC.				
Agent IAN HULL		(510)376-2749		

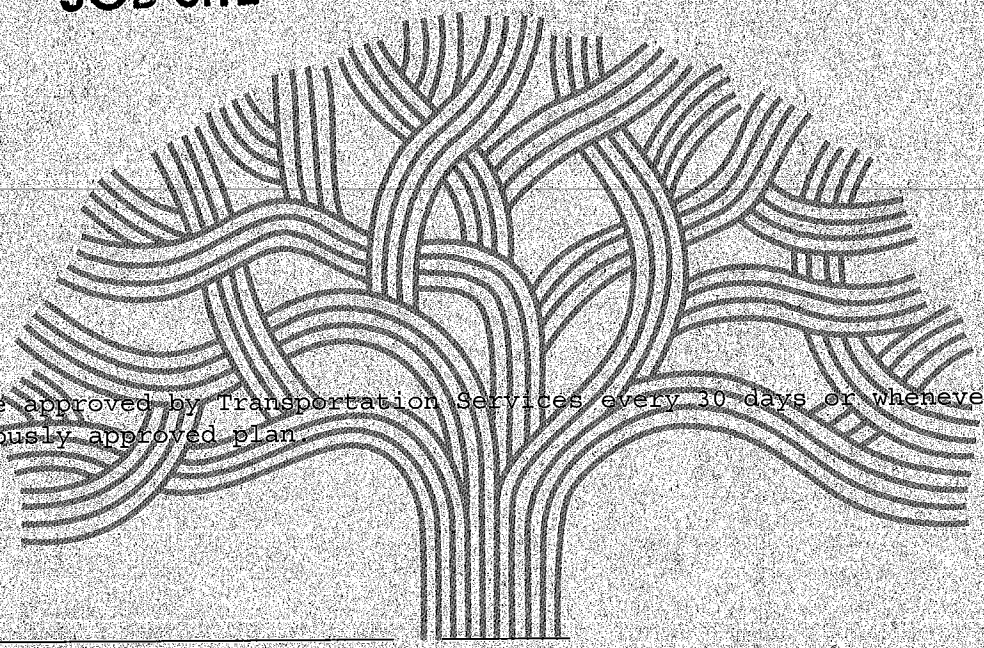
Applic Addr 1348 66TH ST, BERKELEY CA, 94702

~~$279.41~~ TOTAL FEES PAID AT FILING $.00 TOTAL FEES PAID AT ISSUANCE

$71.00 Applic	$172.50 Permit
$.00 Process	$23.13 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$12.78 Tech Enh

$457.56

JOB SITE



TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

ADDRESS:

Applicant: _____

Issued by: _____

DIST:

CITY OF OAKLAND

PAID
SMZ 10/5/10

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1001250 Job Site 1633 HARRISON ST Parcel# 008 -0625-022-00

Descr Place monitoring well in public right of way. Southwest corner of Harrison and 17th Streets. Ref: ENMI09221. Call PWA INSPECTION prior to start: 510-238-3651. Permit Issued 09/28/10

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:

Util Fund #:

	Applcnt	Phone#	Lic#	--License Classes--
Owner	HOUSING AUTHORITY OF THE CITY			
Contractor	VAPOR TECH SERVICES	X (415)378-0415	916085	C57
Arch/Engr	CONESTOGA ROVERS & ASSOC.			
Agent	IAN HULL	(510)376-2749		

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

$436.05 TOTAL FEES PAID AT ISSUANCE

$71.00	Applic	$309.00	Permit
$.00	Process	$36.10	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$19.95	Tech Enh

JOB SITE

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

ADDRESS:

DIST

CITY OF OAKLAND

PAID

SMC 10/5/10

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1001250 Parcel #: 008 -0625-022-00
Project Address: 1633 HARRISON ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____ POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date _____

ADDRESS:

DIST

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1001251 Job Site 1633 HARRISON ST Parcel# 008 -0625-022-00

Descr Soil borings on east side Harrison, north of 17th Street. Permit Issued 09/28/10
Ref: ENMI09221.
Call PWA INSPECTION prior to start: 510-238-3651.

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

	Applcnt	Phone#	Lic#	--License Classes--
Owner HOUSING AUTHORITY OF THE CITY				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr CONESTOGA ROVERS & ASSOC.				
Agent IAN HULL		(510)376-2749		

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

$436.05 TOTAL FEES PAID AT ISSUANCE

$71.00 Applic	$309.00 Permit
$.00 Process	$36.10 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.95 Tech Enh

JOB SITE

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

ADDRESS

DIST

CITY OF OAKLAND

PAID
SMC 10/5/10

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1001251 Parcel #: 008 -0625-022-00
Project Address: 1633 HARRISON ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____ POLICY NO._____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

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Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

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PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date _____

ADDRESS:

DIST

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1001254 Job Site 1633 HARRISON ST Parcel# 008 -0625-022-00

Descr Soil borings on north side of 17th Street 100' east of Harrison Street. Ref: ENMI09221.
Call PWA INSPECTION prior to start: 510-238-3651.

Permit Issued 09/28/10

420 334
376 2749

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

	Applcnt	Phone#	Lic#	License Classes
Owner HOUSING AUTHORITY OF THE CITY				
Contractor VAPOR TECH SERVICES	X	(415)378-0415	916085	C57
Arch/Engr CONESTOGA ROVERS & ASSOC.				
Agent IAN HULL		(510)376-2749		

Applic Addr 1348 66TH ST, BERKELEY CA, 94702

$436.05 TOTAL FEES PAID AT ISSUANCE

$71.00 Applic	$309.00 Permit
$.00 Process	$36.10 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.95 Tech Enh

JOB SITE

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

ADDRESS:

DIST

CITY OF OAKLAND

PAID

CITY OF OAKLAND • Community and Economic Development Agency
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Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1001254 Parcel #: 008 -0625-022-00
Project Address: 1633 HARRISON ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
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Lender_____ Address_____

Workers' Compensation Declaration

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[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____ POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

_____ _____ _____
PRINT NAME Signature [ ] Contractor, or [ ] Agent Date

ADDRESS:

DIST.

APPENDIX D

BORING LOGS

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-17
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	09-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	09-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	16-Oct-10
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	34.90 ft above msl
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	34.53 ft above msl
BORING DIAMETER	2"	**SCREENED INTERVALS**	17 to 24 fbg
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.00 fbg (09-Oct-10) ▽
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	20.30 fbg (09-Oct-10) ▼
REMARKS	Utility cleared with hand augers to 14 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT		
								1.0	
							Silty SAND: Light brown; dense; moist; poorly-graded fine sand.		
							@ 2.5 fbg soil becomes olive green.		
							@ 3.5 fbg soil becomes light brown.		
0		MW-17 -S-5		5					
					SM				Portland Type I/II
0		MW-17 -S-10		10			@ 10 fbg soil becomes brown.		
							@ 14 fbg soil becomes olive green.		Bentonite Seal
5		MW-17 -S-15		15					
								16.0	Monterey Sand #2/12
							SAND: Grey; loose; moist; poorly-graded fine sand with trace silt.		
71					SP				
							@ 19 fbg increase in silt.		
				20			▽	20.0	

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

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-17
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	09-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	09-Oct-10

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
469		MW-17 -S-20					@ 20 fbg soil becomes wet. ▼	
							@ 22 fbg decrease in silt and soil becomes moist.	
732		MW-17 -S-24		25	SP			
							Silty SAND: Light brown; dense; moist; fine sand.	27.0
					SM			
3							**SAND:** Red-brown; wet; well-graded fine to coarse sand.	29.0
					SW			
8		MW-17 -S-30		30			**Silty SAND:** Light brown; dense; moist; fine sand.	30.0
					SM			
							SILT with sand: Light brown; firm; moist; very fine to fine sand.	32.0
3					ML			
0		MW-17 -S-34.5		35				35.0

WELL DIAGRAM

1"-diam., 0.010" Slotted Schedule 40 PVC

Bentonite Pellets

Bottom of Boring @ 35 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\315373-\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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**	SB9
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.01 fbg (10-Oct-10)
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	21.26 fbg (10-Oct-10)
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE		Concrete
							Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	1.0	
							Silty SAND: Light brown; dense; moist; fine sand.	2.0	
0		SB9-S -5		5					
					SM		@ 8 fbg soil becomes dark brown.		
0		SB9-S -10		10			@ 10 fbg soil becomes very dense.		Portland Type I/II
								14.0	
							SAND with silt: Dark brown; dense; moist; poorly-graded very fine sand.		
0		SB9-S -15		15					
					SP		@ 17 fbg soil becomes red-brown.		
							@ 19 fbg soil becomes brown.		
1		SB9-S -19.5		20				20.0	

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
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Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB9
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

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
							@ 20 fbg soil becomes wet. ▽		
10		SB9-S -21					@ 21 fbg soil becomes grey. ▼		
					SP				
							@ 23 fbg soil becomes brown and moist.		
0		SB9-S -23.5							
				25				25.0	Portland Type I/II
							SILT with sand: Light brown; very stiff; moist; very fine sand; medium estimated plasticity.		
					ML				
0		SB9-S -28							
0		SB9-S -29.5							
				30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB10
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	21.00 fbg (10-Oct-10)
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	21.15 fbg (10-Oct-10)
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	1.0	Concrete
							Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	1.5	
							Silty SAND: Light brown; dense; moist; very fine sand.		
0		SB10- S-5		5	SM				
0		SB10- S-10		10					Portland Type I/II
								13.0	
							SAND with silt: Light brown; loose; moist; poorly-graded fine sand.		
0		SB10- S-15		15	SP		@ 16 fbg soil becomes dense.		
							@ 19 fbg soil becomes loose.	20.0	

Continued Next Page

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Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB10
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

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
0		SB10- S-20			SP		@ 21 fbg soil becomes brown/grey and wet.		
17		SB10- S-24		25			**SILT with sand:** Brown and grey; soft; moist; very fine sand; medium estimated plasticity.	25.0	Portland Type I/II
					ML		@ 27 fbg soil becomes mottled.		
0		SB10- S-28							
							@29 fbg increase in sand, soil becomes brown and firm.		
0		SB10- S-29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

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Fax: 510-420-9170

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB11
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10
PROJECT NUMBER	311956	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Vapor Tech Services (C57 #916085)	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Direct-Push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVALS**	NA
LOGGED BY	Ian Hull	**DEPTH TO WATER (First Encountered)**	20.00 fbg (10-Oct-10) ▽
REVIEWED BY	Nathan S. Lee, PG# 8486	**DEPTH TO WATER (Static)**	20.52 fbg (10-Oct-10) ▼
REMARKS	Utility cleared with hand augers to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	1.0	Concrete
							Silty Sandy GRAVEL: (FILL) Light brown/grey; loose; moist; well graded gravel, well graded sand.	1.5	
							Silty SAND: Red-brown; dense; moist; fine sand.		
0		SB11- S-5		5	SM		@ 5 fbg increase silt, soil becomes light brown.		
							@ 6 fbg decrease silt.		
0		SB11- S-10		10					Portland Type I/II
								14.0	
							SAND with silt: Brown, loose; moist; poorly-graded fine sand.		
0		SB11- S-15		15	SP				
0		SB11- S-18					@ 18 fbg soil becomes dense.		
				20			▽	20.0	

WELL LOG (PID) I:\CHEVRON\3119--\311956~1\315373~1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

Continued Next Page

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

BORING / WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	SB11
JOB/SITE NAME	Former Chevron Station 9-0020	**DRILLING STARTED**	10-Oct-10
LOCATION	1633 Harrison Street, Oakland, California	**DRILLING COMPLETED**	10-Oct-10

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
							@ 20 fbg soil becomes wet. ▼		
							@ 21 fbg soil becomes grey.		
6		SB11- S-22			SP				
0		SB11- S-25		25					Portland Type I/II
								26.0	
							Sandy SILT: Light brown; stiff; moist; medium estimated plasticity.		
					ML				
							@ 28.5 fbg soil becomes very stiff with trace very fine sand and medium estimated plasticity.		
0		SB11- S-29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) I:\CHEVRON\3119-\311956-\315373-1\311956-BORING LOGS.GPJ DEFAULT.GDT 12/1/10

APPENDIX E

CRA'S STANDARD OPERATING PROCEDURES FOR GEOPROBE BORINGS AND MONITORING WELL INSTALLATION

STANDARD FIELD PROCEDURES FOR SOIL BORING AND 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.

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.

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. A rinsed and graded sand 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°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.

APPENDIX F

BLAINE TECH'S NOVEMBER 3, 2010 MONITORING AND SAMPLING REPORT AND WELL DEVELOPMENT DATA

BLAINE™
TECH SERVICES

November 3, 2010

Chevron Environmental Management Company
Dave Patten
6111 Bollinger Canyon Rd.
San Ramon, CA 94583

Fourth Quarter 2010 Monitoring at
Chevron Service Station 90020
1633 Harrison St.
Oakland, CA

Monitoring performed on October 30, 2010

Blaine Tech Services, Inc. Groundwater Monitoring Event 101030-PC1

This submission covers the routine monitoring of groundwater wells conducted on October 30, 2010 at this location. One monitoring wells were measured for depth to groundwater (DTW). One 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 # 101030-PC1 Date 10/30/10 Client Chevron

Site 1632 Harrison St., Oakland

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-17	715	1					19.98	23.28	TOC	

CHEVRON WELL MONITORING DATA SHEET

Project #: 101030-PCI	Station #: 9-0020
Sampler: PC	Date: 10/30/10
Weather: overcast	Ambient Air Temperature: 19.8°C
Well I.D.: MW-17	Well Diameter: 2 3 4 6 8 ~~1~~"
Total Well Depth: 23.28	Depth to Water: 19.98
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]: 20.64	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- ~~X~~ Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- X Other: New Tubing

500 (~~Gals.~~ ml) X 3 = 1.5L ~~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 (°C ~~°F~~)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	ml ~~Gals.~~ Removed	Observations
720	19.3	7.06 ~~4.08~~ R	2763	362	500	Gas odor
724	20.5	7.00	2003	102	1000	" "
727	well dewatered					
740	Insufficient water for final reading				—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.2 L

Sampling Date: 10/30/10 Sampling Time: 740 Depth to Water: 22.60 Traffic well

Sample I.D.: MW-17 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

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd.■ San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 90020

Chevron Site Global ID: T0600100304

Chevron Site Address: 1633 Harrison St.,

Oakland, CA

Chevron PM: DAVE PATTEN

Chevron PM Phone No.: (925)543-1740

☒ 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. 510-420-3351

Consultant Project No. 101030-P(1

Sampling Company: Blaine Tech Services

Sampled By (Print): Pete Garnish

Sampler Signature:

Charge Code: NWRTB-0090020-0-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 900 Temp. 1°C

ANALYSES REQUIRED

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions: Must meet lowest detection limits possible for 8260 Compounds

SAMPLE ID							H	H														
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G ☒ BTEX ☒ MTBE ☒ OXYGENATES☐ HVOC ☐	EPA 8015B GRO ☒ DRO ☐ ORO ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH ☐	EPA 413.1 OIL & GREASE ☐	EPA 8260 ETHANOL	EPA 8015 TPH-D ☐				Notes/Comments
MW-17	W		101030	740	6	VOA	X	X									X					
QA	T		↓	700	2	↓	X	X														

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	10/30/10 1500		BTS	10/30/10 1500
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	11/2/10 1200 *			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)

Intact: ____ On Ice: ____ Temp: ____

COC #

* SHIPPED VIA FEDEX

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 10/30/10

Site Address 1633 Harrison St., Oakland

Job Number 101030-RC1 Technician P. Gornish

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-17	X	X	X							

NOTES:

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY IWM TO THEIR FACILITY IN SAN JOSE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Ave. San Jose CA (408)573-0555). Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY (CHEVRON) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BTS; from one Chevron facility to BTS via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of CHEVRON.

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:

9-0020
CHEVRON # Chevron Engineer

1633 Harrison st. Oakland CA
street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-17	2L		

added equip. rinse water / 1gal

any other adjustments /

TOTAL GALS. RECOVERED ~1.5gal

loaded onto BTS vehicle # 60

BTS event # 101030-PC1 time 900 date 10/30/12

signature Pat Ui

****

REC'D AT BTS time 1400 date 10/30/12

unloaded by signature Pat Ui

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Chevron 9-0020				PROJECT NUMBER 101030-PC1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
Myron L	6224193	10/30/10 1000	4/7/10 pH 3900 µS	4.06/7.08/10.04 3896	Y	18.9 18.6	PC ↓

WELL GAUGING DATA

Project # 101016-FS1 Date 10-16-10 Client CHEVRON

Site 1633 HARRISON ST. OAKLAND

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-17	800	1	ODOR				19.85	23.20	TOC	

WELL DEVELOPMENT DATA SHEET

Project #: 101016 - FS1	Client: CHEVRON
Developer: FS	Date Developed: 10-16-10
Well I.D. MW-17	Well Diameter: (circle one) 2 3 4 6 (1")
Total Well Depth: Before ~~29.4~~ 23.20 After	Depth to Water: Before 19.85 After
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

0.14	X	10		1.4
1 Case Volume		Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump: WATERA

Other equipment used: TUBING / CHECK VALVE.

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
816	63.8	8.62	1941	>1000	0.14	ODOR
819	63.4	8.42	1925	>1000	0.28	"
821	63.2	8.05	1906	>1000	0.42	" HARD BOTTOM REACHED.
~~838~~	63.0	7.99	1900	>1000	0.56	"
834	63.0	7.97	1901	>1000	0.70	"
— WELL	DEWATERED AT			0.75	GALS	—
848	64.7	803	2433	>1000	0.84	ODOR
855	ATTEMPTED	TO PURGE	WITH	BAILER.	INSUFFICIENT	WATER
9:00	DTW	23.05		9:12	DTW	22.87
905	ATTEMPTED	TO PURGE	WITH	CHECK	VALVE	
	INSUFFICIENT	WATER				
920	DTW	23.05		"		
930	DTW.	22.97		INSUFFICIENT	WATER	TO CONTINUE DEVELOPMENT

Did Well Dewater?	If yes, note above.	Gallons Actually Evacuated:	0.84 GALS

WELLHEAD INSPECTION CHECKLIST

Client CHEVRON Date 10-16-10

Site Address 1633 HARRISON ST. OAKLAND

Job Number 101016-FS1 Technician FS

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-17	✓	✓	✓							

NOTES:

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY IWM TO THEIR FACILITY IN SAN JOSE, CALIFORNIA.

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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:

9-0020	TOM BAUTS
CHEVRON #	Chevron Engineer

1633	HARRISON	ST. OAKLAND	CA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-17	1		

added equip. rinse water / 1

any other adjustments /

TOTAL GALS. RECOVERED 2

loaded onto BTS vehicle # 87

BTS event # 101016-FS1 time 930 date 10/16/10

signature

* *

REC'D AT BTS time 1430 date 10/16/10

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Chevron				PROJECT NUMBER 10016-F31			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
MYRON L ULTRAMETER	6209577	10-16-10 / 720	4.0 7.0 10.0 PH	4.01 6.74 9.98	YES	71.7	JS
"	"	↓	CONDUCTIVITY 3900 µS	3945 µS	YES	75.5	JS

APPENDIX G

LABORATORY REPORTS

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

November 08, 2010

Project: 90020

Submittal Date: 10/12/2010
Group Number: 1215848
PO Number: 0015061031
Release Number: COSTA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
MW-17-S-5.0-101009 Grab Soil	6108619
MW-17-S-10-101009 Grab Soil	6108620
MW-17-S-15-101009 Grab Soil	6108621
MW-17-S-20-101009 Grab Soil	6108622
MW-17-S-24-101009 Grab Soil	6108623
MW-17-S-30-101009 Grab Soil	6108624
MW-17-S-34.5-101009 Grab Soil	6108625

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Nate Lee
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

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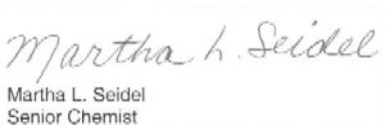
Analysis Report

Questions? Contact your Client Services Representative
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,



Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Sample Description: MW-17-S-5.0-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108619
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 09:55 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20171

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.65
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 17:59	Chelsea B Eastep	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:45	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:45	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 21:47	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 15:27	Marie D John	24.65
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 21:49	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/14/2010 21:53	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: MW-17-S-10-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108620
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 10:10 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20172

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.93
10950	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.93
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10950	Toluene	108-88-3	N.D.	0.0009	0.005	0.93
10950	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.93
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.79
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 18:21	Chelsea B Eastep	0.93
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:45	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:45	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 21:55	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 16:04	Marie D John	23.79
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 21:56	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/14/2010 22:59	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: MW-17-S-15-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108621
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 10:30 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20173

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.95
10950	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.95
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.95
10950	Toluene	108-88-3	N.D.	0.0009	0.005	0.95
10950	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.95
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.95
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 18:44	Chelsea B Eastep	0.95
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:01	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 16:40	Marie D John	23.95
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 22:03	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/14/2010 23:21	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: MW-17-S-20-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108622
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 11:00 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20174

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.024	0.24	47.62
10950	Ethylbenzene	100-41-4	0.20	0.048	0.24	47.62
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	47.62
10950	Toluene	108-88-3	N.D.	0.048	0.24	47.62
10950	Xylene (Total)	1330-20-7	0.47	0.048	0.24	47.62
Reporting limits were raised due to interference from the sample matrix.						
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	190	38	38	961.54
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	12	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	R102891AA	10/16/2010 09:12	Stephanie A Selis	47.62
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:08	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 23:56	Marie D John	961.54
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 22:09	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/14/2010 23:43	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-17-S-24-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108623
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 11:20 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20175

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.46	4.6	917.43
10950	Ethylbenzene	100-41-4	18	0.92	4.6	917.43
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.46	4.6	917.43
10950	Toluene	108-88-3	2.0	0.92	4.6	917.43
10950	Xylene (Total)	1330-20-7	25	0.92	4.6	917.43
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3,600	400	400	9920.63
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	1,200	40	120	10

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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	R102891AA	10/16/2010 11:07	Stephanie A Selis	917.43
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:16	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/15/2010 00:32	Marie D John	9920.63
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 22:17	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 13:01	Glorines Suarez-Rivera	10
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: MW-17-S-30-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108624
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 11:25 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20176

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.94
10950	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.94
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.94
10950	Toluene	108-88-3	N.D.	0.0009	0.005	0.94
10950	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.94
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	3.0	1	1	24.44
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 11:15	Holly Berry	0.94
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:25	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 17:16	Marie D John	24.44
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 22:27	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 00:27	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: MW-17-S-34.5-101009 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # SW 6108625
LLI Group # 1215848
Account # 10880

Project Name: 90020

Collected: 10/09/2010 11:30 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20177

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.93
10950	Ethylbenzene	100-41-4	N.D.	0.0009	0.005	0.93
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.93
10950	Toluene	108-88-3	N.D.	0.0009	0.005	0.93
10950	Xylene (Total)	1330-20-7	N.D.	0.0009	0.005	0.93
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.04
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 08:38	Holly Berry	0.93
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028522532	10/12/2010 22:46	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028522532	10/12/2010 22:33	Lois E Hiltz	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 19:05	Marie D John	24.04
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028522532	10/12/2010 22:35	Lois E Hiltz	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 00:49	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1215848
Reported: 11/08/10 at 03:44 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B102871AA	Sample number(s): 6108619-6108621								
Benzene	N.D.	0.0005	0.005	mg/kg	102	101	80-120	1	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	99	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	91	96	74-121	5	30
Toluene	N.D.	0.001	0.005	mg/kg	102	101	80-120	1	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	100	98	80-120	1	30
Batch number: B102881AA	Sample number(s): 6108624-6108625								
Benzene	N.D.	0.0005	0.005	mg/kg	102	100	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	92	95	74-121	3	30
Toluene	N.D.	0.001	0.005	mg/kg	98	100	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Batch number: R102891AA	Sample number(s): 6108622-6108623								
Benzene	N.D.	0.025	0.25	mg/kg	99	100	80-120	1	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	92	91	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	96	102	74-121	6	30
Toluene	N.D.	0.050	0.25	mg/kg	97	95	80-120	1	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	90	89	80-120	1	30
Batch number: 10286A34A	Sample number(s): 6108619-6108625								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	95	95	67-119	0	30
Batch number: 102860007A	Sample number(s): 6108619-6108625								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	110		76-117		

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: B102871AA	Sample number(s): 6108619-6108621 UNSPK: 6108619								
Benzene	96		55-143						
Ethylbenzene	94		44-141						
Methyl Tertiary Butyl Ether	76		55-129						
Toluene	99		50-146						
Xylene (Total)	94		44-136						
Batch number: B102881AA	Sample number(s): 6108624-6108625 UNSPK: 6108625								
Benzene	109		55-143						

*- 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: ChevronTexaco Group Number: 1215848
Reported: 11/08/10 at 03:44 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
Ethylbenzene	115		44-141						
Methyl Tertiary Butyl Ether	87		55-129						
Toluene	112		50-146						
Xylene (Total)	110		44-136						
Batch number: 102860007A	Sample number(s): 6108619-6108625 UNSPK: 6108619 BKG: 6108619								
TPH-DRO soil C10-C28 w/Si Gel	109		30-159			N.D.	N.D.	0 (1)	20

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: VOCs by 8260B - Solid
Batch number: B102871AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108619	105	102	102	85
6108620	106	105	101	89
6108621	105	105	99	94
Blank	105	102	101	90
LCS	101	104	107	107
LCSD	99	106	108	101
MS	100	99	108	106
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid
Batch number: B102881AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108624	103	104	102	92
6108625	104	108	101	95
Blank	111	109	100	89
LCS	105	106	104	109
LCSD	102	102	104	110
MS	98	100	108	106
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid
Batch number: R102891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108622	81	87	89	88
6108623	74	75	121	130*
Blank	94	99	96	89
LCS	98	99	101	92
LCSD	103	107	103	99

*- 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: ChevronTexaco Group Number: 1215848
Reported: 11/08/10 at 03:44 PM

Surrogate Quality Control

Limits: 71-114 70-109 70-123 70-111

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 10286A34A

	Trifluorotoluene-F
6108619	76
6108620	72
6108621	68
6108622	130*
6108623	1743*
6108624	76
6108625	71
Blank	86
LCS	88
LCSD	83
Limits:	61-122

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 102860007A

	Orthoterphenyl
6108619	102
6108620	101
6108621	102
6108622	105
6108623	92
6108624	91
6108625	91
Blank	100
DUP	101
LCS	111
MS	109
Limits:	59-129

*- 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.

Chevron California Region Analysis Request/Chain of Custody

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3 of 4

101110-01

For Lancaster Laboratories use only — Acct. #: 10880 Sample #: 610861 9-25 SCR#: 249364

1215848

Facility #: 9-0020 ~~BP~~ LAB

Site Address: 1633 HARRISON ST, OAKLAND

Chevron PM: TOM BAUHS Lead Consultant: CRA

Consultant/Office: CRA - EMERYVILLE

Consultant Prj. Mgr.: NATHAN LEE

Consultant Phone #: 510-420-3333 Fax #: 510-420-9170

Sampler: IAN HULL

Service Order #: ____ ☐ Non SAR: ____

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
MW-17	SOIL	NO	5.0	2010/10/09	0955	YES	X		1	X	X	X			
MW-17			10		1010										
MW-17			15		1030										
MW-17			20		1100										
MW-17			24		1120										
MW-17			30		1125										
MW-17			34.5		1130										

Preservative Codes

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

EMAIL RESULTS TO
nlee@craworld.com
ihull@craworld.com

EDF DATA TO
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)

(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

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

Relinquished by:	Date	Time	Received by:	Date	Time
	2010/10/09	1745	SECURE LOCATION		
	10/11/10	1110		10/11/10	1110
	11OCT10	1630	FEDEX		
Relinquished by Commercial Carrier: UPS FedEx Other ____					
Temperature Upon Receipt 13.3 C°			Custody Seals Intact? Yes No		

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

November 08, 2010

Project: 90020

Submittal Date: 10/12/2010
Group Number: 1215849
PO Number: 0015061031
Release Number: COSTA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
SB10-S-5-101010 Grab Soil	6108626
SB10-S-10-101010 Grab Soil	6108627
SB10-S-15-101010 Grab Soil	6108628
SB10-S-20-101010 Grab Soil	6108629
SB10-S-24-101010 Grab Soil	6108630
SB10-S-28-101010 Grab Soil	6108631
SB10-S-29.5-101010 Grab Soil	6108632
SB9-S-10-101010 Grab Soil	6108633
SB9-S-15-101010 Grab Soil	6108634
SB9-S-19.5-101010 Grab Soil	6108635
SB9-S-21-101010 Grab Soil	6108636
SB9-S-23.5-101010 Grab Soil	6108637
SB9-S-5-101010 Grab Soil	6108638
SB9-S-28-101010 Grab Soil	6108639
SB9-S-29.5-101010 Grab Soil	6108640
SB11-S-5-101010 Grab Soil	6108641
SB11-S-10-101010 Grab Soil	6108642
SB11-S-15-101010 Grab Soil	6108643
SB11-S-18-101010 Grab Soil	6108644
SB11-S-22-101010 Grab Soil	6108645
SB11-S-25-101010 Grab Soil	6108646
SB11-S-29.5-101010 Grab Soil	6108647

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Lancaster Laboratories

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Analysis Report

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Nate Lee

Questions? Contact your Client Services Representative
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Sample Description: SB10-S-5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108626
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 08:55 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20110

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10950	Toluene	108-88-3	N.D.	0.001	0.005	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.18
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 19:07	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:26	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 19:41	Marie D John	25.18
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:27	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 01:11	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB10-S-10-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108627
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:00 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20210

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.06
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.06
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.06
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.06
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.06
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.59
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 19:52	Chelsea B Eastep	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:32	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 20:18	Marie D John	25.59
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:32	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 02:17	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB10-S-15-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108628
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:05 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20310

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10950	Toluene	108-88-3	N.D.	0.001	0.005	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.25
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 20:15	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:36	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 20:54	Marie D John	24.25
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:37	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 02:38	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB10-S-20-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108629
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:20 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20410

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.07
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.07
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.07
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.07
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.07
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.54
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 20:37	Chelsea B Eastep	1.07
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:40	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 21:30	Marie D John	25.54
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:41	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 03:00	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB10-S-24-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108630
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:25 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20510

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	0.0009	0.0005	0.005	0.99
10950	Ethylbenzene	100-41-4	0.001	0.001	0.005	0.99
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10950	Toluene	108-88-3	0.001	0.001	0.005	0.99
10950	Xylene (Total)	1330-20-7	0.001	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.9
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 21:00	Chelsea B Eastep	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:44	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 22:07	Marie D John	24.9
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:45	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 03:22	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB10-S-28-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108631
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:35 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20610

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.04
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 21:22	Chelsea B Eastep	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:48	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 22:43	Marie D John	26.04
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:48	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 03:44	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB10-S-29.5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # SW 6108632
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 10:40 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20710

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10950	Toluene	108-88-3	N.D.	0.001	0.005	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.51
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 21:45	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:52	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10286A34A	10/14/2010 23:19	Marie D John	24.51
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:52	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 04:06	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108638
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 11:30 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

206-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.98
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/15/2010 00:00	Chelsea B Eastep	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:18	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 18:02	Marie D John	24.98
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 14:19	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 06:18	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-10-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108633
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 12:50 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

201-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.09
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.09
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.09
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.09
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.09
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.59
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/15/2010 01:31	Chelsea B Eastep	1.09
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:55	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 14:52	Marie D John	25.59
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 13:56	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 04:28	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-15-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108634
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:00 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

202-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.13
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 22:30	Chelsea B Eastep	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 13:59	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 15:30	Marie D John	25.13
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 14:00	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 04:50	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-19.5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108635
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:10 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

203-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.78
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 22:53	Chelsea B Eastep	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:03	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 16:08	Marie D John	24.78
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 14:04	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 05:12	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB9-S-21-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108636
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:15 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

204-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	0.003	0.0005	0.005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10950	Toluene	108-88-3	0.002	0.001	0.005	1
10950	Xylene (Total)	1330-20-7	0.002	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.22
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 23:15	Chelsea B Eastep	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:22	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:08	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 16:45	Marie D John	24.22
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 14:08	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 05:34	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB9-S-23.5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108637
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:16 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

205-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.97
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.97
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	23.9
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/14/2010 23:38	Chelsea B Eastep	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 14:23	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 14:13	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 17:24	Marie D John	23.9
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 14:13	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102860007A	10/15/2010 05:56	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102860007A	10/13/2010 16:45	JoElla L Rice	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-28-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108639
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:20 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

207-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.03
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.03
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.03
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.03
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.03
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.49
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/15/2010 00:23	Chelsea B Eastep	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:31	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 18:40	Marie D John	24.49
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:31	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 13:23	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB9-S-29.5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # SW 6108640
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:25 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

208-9

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.07
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.07
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.07
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.07
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.07
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.38
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/15/2010 00:46	Chelsea B Eastep	1.07
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:34	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 19:18	Marie D John	25.38
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:35	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 14:29	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB11-S-5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108641
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 15:20 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20111

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.98
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.98
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.98
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.98
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.98
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	26.07
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102871AA	10/15/2010 01:08	Chelsea B Eastep	0.98
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:05	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:39	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 19:56	Marie D John	26.07
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:40	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 14:51	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB11-S-10-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108642
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 15:45 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20211

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.13
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 09:00	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:43	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 20:37	Marie D John	24.13
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:43	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 15:13	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB11-S-15-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108643
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 15:50 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20311

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.02
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.02
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.02
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.02
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.02
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.75
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 09:22	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:47	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/14/2010 22:30	Marie D John	25.75
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:48	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 15:35	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB11-S-18-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108644
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 16:00 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20411

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.01
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.01
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.01
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.01
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.01
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	10	10	249.25
	Reporting limits were raised due to sample foaming.					
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 09:44	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:51	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/15/2010 10:54	Marie D John	249.25
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:51	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 15:57	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB11-S-22-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108645
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 16:05 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20511

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1.05
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1.05
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1.05
10950	Toluene	108-88-3	N.D.	0.001	0.005	1.05
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1.05
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.35
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	5.4	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 10:07	Holly Berry	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:55	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/15/2010 11:32	Marie D John	25.35
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:55	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 17:03	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB11-S-25-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108646
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 16:15 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20611

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	0.99
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10950	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	0.99
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1	1	24.78
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 10:30	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 15:58	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/15/2010 12:10	Marie D John	24.78
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 15:59	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 17:25	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: SB11-S-29.5-101010 Grab Soil
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # SW 6108647
LLI Group # 1215849
Account # 10880

Project Name: 90020

Collected: 10/10/2010 16:16 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:44

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20711

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**		**mg/kg**	**mg/kg**	**mg/kg**	
10950	Benzene	71-43-2	N.D.	0.0005	0.005	1
10950	Ethylbenzene	100-41-4	N.D.	0.001	0.005	1
10950	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	1
10950	Toluene	108-88-3	N.D.	0.001	0.005	1
10950	Xylene (Total)	1330-20-7	N.D.	0.001	0.005	1
GC Volatiles	**SW-846 8015B modified**		**mg/kg**	**mg/kg**	**mg/kg**	
01725	TPH-GRO N. CA soil C6-C12	n.a.	N.D.	1.0	1.0	25.3
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**mg/kg**	**mg/kg**	**mg/kg**	
02222	TPH-DRO soil C10-C28 w/Si Gel	n.a.	N.D.	4.0	12	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
10950	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B102881AA	10/15/2010 10:52	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	201028622541	10/13/2010 16:04	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	201028622541	10/13/2010 16:02	Larry E Bevins	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	10287A16A	10/15/2010 12:47	Marie D John	25.3
01150	GC - Bulk Soil Prep	SW-846 5030A	1	201028622541	10/13/2010 16:02	Larry E Bevins	n.a.
02222	TPH-DRO soil C10-C28 w/Si Gel	SW-846 8015B	1	102880018A	10/18/2010 17:47	Glorines Suarez-Rivera	1
11210	DRO by 8015 Microwave w/ SG	SW-846 3550B	1	102880018A	10/16/2010 23:30	Patricia L Foreman	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1215849
Reported: 11/08/10 at 03:44 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B102871AA	Sample number(s): 6108626-6108641								
Benzene	N.D.	0.0005	0.005	mg/kg	102	101	80-120	1	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	99	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	91	96	74-121	5	30
Toluene	N.D.	0.001	0.005	mg/kg	102	101	80-120	1	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	100	98	80-120	1	30
Batch number: B102881AA	Sample number(s): 6108642-6108647								
Benzene	N.D.	0.0005	0.005	mg/kg	102	100	80-120	2	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	92	95	74-121	3	30
Toluene	N.D.	0.001	0.005	mg/kg	98	100	80-120	2	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	99	101	80-120	2	30
Batch number: 10286A34A	Sample number(s): 6108626-6108632								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	95	95	67-119	0	30
Batch number: 10287A16A	Sample number(s): 6108633-6108647								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	99	102	67-119	4	30
Batch number: 102860007A	Sample number(s): 6108626-6108638								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	110		76-117		
Batch number: 102880018A	Sample number(s): 6108639-6108647								
TPH-DRO soil C10-C28 w/Si Gel	N.D.	4.0	12	mg/kg	104		76-117		

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: B102871AA	Sample number(s): 6108626-6108641 UNSPK: P108619								
Benzene	96		55-143						
Ethylbenzene	94		44-141						
Methyl Tertiary Butyl Ether	76		55-129						
Toluene	99		50-146						
Xylene (Total)	94		44-136						
Batch number: B102881AA	Sample number(s): 6108642-6108647 UNSPK: P108625								
Benzene	109		55-143						
Ethylbenzene	115		44-141						

*- 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: ChevronTexaco Group Number: 1215849
Reported: 11/08/10 at 03:44 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
Methyl Tertiary Butyl Ether	87		55-129						
Toluene	112		50-146						
Xylene (Total)	110		44-136						
Batch number: 102860007A	Sample number(s): 6108626-6108638 UNSPK: P108619 BKG: P108619								
TPH-DRO soil C10-C28 w/Si Gel	109		30-159			N.D.	N.D.	0 (1)	20
Batch number: 102880018A	Sample number(s): 6108639-6108647 UNSPK: 6108639 BKG: 6108639								
TPH-DRO soil C10-C28 w/Si Gel	94		30-159			N.D.	N.D.	0 (1)	20

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: VOCs by 8260B - Solid
Batch number: B102871AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108626	109	104	107	92
6108627	105	103	102	88
6108628	106	102	101	85
6108629	108	103	102	86
6108630	103	98	104	95
6108631	107	101	101	87
6108632	107	104	101	85
6108633	113	107	101	83
6108634	110	105	108	90
6108635	110	106	101	84
6108636	105	99	106	94
6108637	111	107	101	88
6108638	110	104	101	84
6108639	112	105	101	85
6108640	112	109	101	87
6108641	112	106	102	85
Blank	105	102	101	90
LCS	101	104	107	107
LCSD	99	106	108	101
MS	100	99	108	106
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs by 8260B - Solid
Batch number: B102881AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108642	102	102	102	90
6108643	105	103	101	91
6108644	104	103	102	89
6108645	104	100	103	89

*- 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: ChevronTexaco Group Number: 1215849
Reported: 11/08/10 at 03:44 PM

Surrogate Quality Control

6108646	105	105	102	90
6108647	106	109	100	91
Blank	111	109	100	89
LCS	105	106	104	109
LCSD	102	102	104	110
MS	98	100	108	106
Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 10286A34A

	Trifluorotoluene-F
6108626	78
6108627	78
6108628	72
6108629	76
6108630	74
6108631	74
6108632	74
Blank	86
LCS	88
LCSD	83
Limits:	61-122

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 10287A16A

	Trifluorotoluene-F
6108633	77
6108634	74
6108635	73
6108636	69
6108637	79
6108638	80
6108639	75
6108640	72
6108641	73
6108642	74
6108643	76
6108644	95
6108645	73
6108646	78
6108647	68
Blank	82
LCS	83
LCSD	83
Limits:	61-122

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 102860007A

	Orthoterphenyl
6108626	96
6108627	88

*- 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: ChevronTexaco Group Number: 1215849
Reported: 11/08/10 at 03:44 PM

Surrogate Quality Control

6108628	96
6108629	94
6108630	94
6108631	94
6108632	93
6108633	87
6108634	92
6108635	95
6108636	98
6108637	92
6108638	93
Blank	100
DUP	101
LCS	111
MS	109
Limits:	59-129

Analysis Name: TPH-DRO soil C10-C28 w/Si Gel
Batch number: 102880018A

	Orthoterphenyl
6108639	76
6108640	62
6108641	72
6108642	79
6108643	90
6108644	83
6108645	82
6108646	65
6108647	60
Blank	93
DUP	59
LCS	105
MS	93
Limits:	59-129

*- 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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

2 of 3

10111D-01

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 610826-47 SCR#:

249366

1215849

Facility #: 9-0020 ~~##~~ LAB
Site Address: 1633 HARRISON ST., OAKLAND, CA
Chevron PM: TOM BAUHS Lead Consultant: CRA
Consultant/Office: CRA - EMERYVILLE
Consultant Prj. Mgr.: NATHAN LEE
Consultant Phone #: 510-420-3333 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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

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

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB10	SOIL	NO	5	2010/10/10	0855	YES	X		1	X	X	X			
SB10			10		10:00										
SB10			15		10:05										
SB10			20		10:20										
SB10			24		10:25										
SB10			28		10:35										
SB10			29.5		10:40										
SB9			10		12:50										
SB9			15		13:00										
SB9			19.5		13:10										
SB9			21		13:15										
SB9			23.5		13:16										
SB9	SOIL	NO	5	2010/10/10	11:30	YES	X		1	X	X	X			

Comments / Remarks
EMAIL RESULTS TO nlee@craworld.com

EDF DATA TO dohare@craworld.com

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

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

	Date	Time		Date	Time
Relinquished by:	2010/10/10	1945	Received by: SECURE LOCATION		
Relinquished by:	10/11/10	1110	Received by:	10/11/10	1110
Relinquished by:	10/12/10	1636	Received by: FEDEX		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/12/10	0900
Temperature Upon Receipt 1.3-3.0 C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

249367

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101110-01 1 of 2

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 6108626-47 SCR#:

121549

Facility #: 9-0020 ~~IAH~~ LAB
Site Address: 1633 HARRISON ST., OAKLAND, CA
Chevron PM: TOM BAUHS Lead Consultant: CRA
Consultant/Office: CRA - EMERYVILLE
Consultant Prj. Mgr.: NATHAN LEE
Consultant Phone #: 510-420-3333 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates —	Lead 7420 ☐ 7421 ☐
SB9	SOIL	NO	28	2010/10/10	13:20	YES	X		1	X	X	X			
SB9			29.5		13:25										
SB11			5		15:20										
SB11			10		15:45										
SB11			15		15:50										
SB11			18		16:00										
SB11			22		16:05										
SB11			25		16:15										
SB11			29.5		16:16										
~~BLANK~~															

Analyses Requested

Preservation Codes

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
EMAIL RESULTS TO nlee@craworld.com

EDF TO dohare@craworld.com

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
	2010/10/10	1945	SECURE LOCATION		
	10/11/10	1110		10/11/10	1110
A. Kuleyan	11 OCT 10	1634	FEDEX		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/12/10	0900

Temperature Upon Receipt 13.3.0 C° Custody Seals Intact? Yes No

3460 Rev. 10/04/01

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

November 08, 2010

Project: 90020

Submittal Date: 10/12/2010
Group Number: 1215850
PO Number: 0015061031
Release Number: COSTA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
SB10-W-21-101010 Grab Water	6108648
SB9-W-21-101010 Grab Water	6108649
SB11-W-20-101010 Grab Water	6108650

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Nate Lee

Lancaster Laboratories

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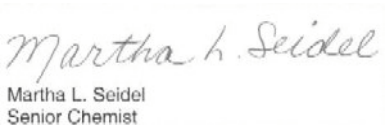
Analysis Report

Questions? Contact your Client Services Representative
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,



Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Sample Description: SB10-W-21-101010 Grab Water
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB10

LLI Sample # WW 6108648
LLI Group # 1215850
Account # 10880

Project Name: 90020

Collected: 10/10/2010 11:40 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:47

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2010W

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	13	0.5	1	1
10943	Ethylbenzene	100-41-4	6	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	4	0.5	1	1
10943	Xylene (Total)	1330-20-7	5	0.5	1	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

GC Volatiles	**SW-846 8015B**		ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	900	50	100	1
GC Extractable TPH w/Si Gel	**SW-846 8015B**		ug/l	ug/l	ug/l	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	700	50	100	1

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

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	F102911AA	10/18/2010 20:30	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F102911AA	10/18/2010 20:30	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10287A20A	10/14/2010 14:59	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10287A20A	10/14/2010 14:59	Elizabeth J Marin	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	102850016A	10/13/2010 20:20	Glorines Suarez-Rivera	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	102850016A	10/12/2010 22:00	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB9-W-21-101010 Grab Water
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB9

LLI Sample # WW 6108649
LLI Group # 1215850
Account # 10880

Project Name: 90020

Collected: 10/10/2010 13:50 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:47

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

20-9W

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	82	0.5	1	1
10943	Ethylbenzene	100-41-4	17	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	55	0.5	1	1
10943	Xylene (Total)	1330-20-7	98	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.	5,100	250	500	5
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	980	50	96	1

The surrogate data is outside the QC limits. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

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	F102911AA	10/18/2010 20:50	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F102911AA	10/18/2010 20:50	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10287A20A	10/14/2010 21:54	Elizabeth J Marin	5
01146	GC VOA Water Prep	SW-846 5030B	1	10287A20A	10/14/2010 21:54	Elizabeth J Marin	5
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	102850016A	10/13/2010 19:37	Glorines Suarez-Rivera	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	102850016A	10/12/2010 22:00	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: SB11-W-20-101010 Grab Water
Facility# 90020 CRAW
1633 Harrison St-Oakland T0600100304 SB11

LLI Sample # WW 6108650
LLI Group # 1215850
Account # 10880

Project Name: 90020

Collected: 10/10/2010 17:00 by IH

Submitted: 10/12/2010 09:00
Reported: 11/08/2010 15:47

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

2011W

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
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	280	50	95	1

The surrogate recovery is outside the QC limits. A reextraction was performed outside the sample hold time using 100mL as the initial volume. The surrogate recovery from the reextraction is within the limits; however, the sample results do not confirm the original extraction. A third extraction was performed using 100mL as the initial volume. The sample results confirm the second extraction. The initial extraction was performed using full sample volume (1052mL) instead of reduced volume and the low surrogate recovery is most likely due to matrix effect.

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

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	F102911AA	10/18/2010 21:53	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F102911AA	10/18/2010 21:53	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10287A20A	10/14/2010 15:42	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10287A20A	10/14/2010 15:42	Elizabeth J Marin	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	2	102850016A	10/13/2010 19:58	Glorines Suarez-Rivera	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	102850016A	10/12/2010 22:00	Karen L Beyer	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1215850
Reported: 11/08/10 at 03:47 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F102911AA	Sample number(s): 6108648-6108650								
Benzene	N.D.	0.5	1	ug/l	88		79-120		
Ethylbenzene	N.D.	0.5	1	ug/l	92		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	91		76-120		
Toluene	N.D.	0.5	1	ug/l	91		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	94		80-120		
Batch number: 10287A20A	Sample number(s): 6108648-6108650								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	100	100	75-135	0	30
Batch number: 102850016A	Sample number(s): 6108648-6108650								
TPH-DRO water C10-C28 w/Si Gel	N.D.	32.	100	ug/l	74	79	56-122	7	20

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: F102911AA	Sample number(s): 6108648-6108650 UNSPK: 6108649								
Benzene	80 (2)	126 (2)	80-126	9	30				
Ethylbenzene	98	104	71-134	4	30				
Methyl Tertiary Butyl Ether	99	98	72-126	1	30				
Toluene	90	114	80-125	6	30				
Xylene (Total)	92	104	79-125	5	30				
Batch number: 10287A20A	Sample number(s): 6108648-6108650 UNSPK: P108564								
TPH-GRO N. CA water C6-C12	100		63-154						

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: F102911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6108648	100	102	97	95

*- 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: ChevronTexaco Group Number: 1215850
Reported: 11/08/10 at 03:47 PM

Surrogate Quality Control

6108649	99	103	95	98
6108650	96	98	97	93
Blank	98	100	97	93
LCS	98	100	97	93
MS	98	106	95	95
MSD	99	104	95	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10287A20A

	Trifluorotoluene-F
6108648	108
6108649	117
6108650	87
Blank	87
LCS	108
LCSD	107
MS	105
Limits:	63-135

Analysis Name: TPH-DRO water C10-C28 w/Si Gel
Batch number: 102850016A

	Orthoterphenyl
6108648	68
6108649	42*
6108650	40*
Blank	92
LCS	90
LCSD	96
Limits:	54-127

*- 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.

Chevron California Region Analysis Request/Chain of Custody

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4 of 4

10/11/10-01

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 610848-50 SCR#:

249365

1215850

Facility #: 9-0020 ~~ALL~~ JMH LAB
Site Address: 1633 HARRISON ST., OAKLAND, CA
Chevron PM: TOM BAUHS Lead Consultant: CRA
Consultant/Office: CRA - EMERYVILLE
Consultant Prj. Mgr.: NATHAN LEE
Consultant Phone #: 510-420-3333 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐
SB10	WATER	NO	21	2010/10/10	11:40	YES	X		6	X	X	X			
SB9	"	"	21	"	13:50	"	"		"	"	"	"			
SB11	"	"	20	"	17:00	"	"		"	"	"	"			

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
EMAIL RESULTS TO nlee@craworld.com

EDF DATA TO dohare@craworld.com

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

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

	Date	Time		Date	Time
Relinquished by:	2010/10/10	1945	Received by: SECURE LOCATION		
Relinquished by:	10/11/10	1110	Received by:	10/11/10	1110
Relinquished by:	11OCT10	1630	Received by: FEDEX		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date 10/12/10	Time 0900
Temperature Upon Receipt: 33.0 C°			Custody Seals Intact? YES No		

Chevron California Re ion Analysis Request/Chain of C stody

248986

Lancaster Laboratories
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101110-06

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 6108648-50 SCR#:

12158 50

Facility #: 9-0020 Lab
Site Address: 1633 Harrison St. Oakland, CA
Chevron PM: Tom Bacha Lead Consultant: CRA
Consultant/Office: CRA - Emeryville
Consultant Prj. Mgr.: Nathan Lee
Consultant Phone #: 510-420-3333 Fax #: 510-420-9170
Sampler: Ian Hall
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO Silica Gel Cleanup ☒	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐
SB10	water	NO	21	2010/10/10	11:40	Yes	X		2			X			
SB9	↓	↓	21	↓	13:50	↓	↓		~~2~~			X			
SB11			20		17:00				2			X			

Comments / Remarks
Email Results to
nlee@craworld.com

EDF data to
dchrane@craworld.com

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

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

	Date	Time		Date	Time
Relinquished by:	2010/10/10	1945	Received by: Secure office Location		
Relinquished by:	10/11/10	15:35	Received by:	10/11/10	1535
Relinquished by: 11 Oct 10		1636	Received by: FEDEX		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/12/10	0900
Temperature Upon Receipt 1.3-3.0 C°			Custody Seals Intact? Yes No		

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

November 10, 2010

Project: 90020

Submittal Date: 11/03/2010
Group Number: 1219426
PO Number: 0015061031
Release Number: COSTA
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
MW-17-W-101030 NA Water	6130707
QA-T-101030 NA Water	6130708

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact

Lancaster Laboratories

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

Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Sarah M. Snyder
Senior Specialist

Lancaster Laboratories

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

Analysis Report

Sample Description: MW-17-W-101030 NA Water
Facility #90020 BTST
1633 Harrison St-Oakland T0600100304 MW-17

LLI Sample # WW 6130707
LLI Group # 1219426
Account # 10991

Project Name: 90020

Collected: 10/30/2010 07:40 by PC

Submitted: 11/03/2010 08:50
Reported: 11/10/2010 12:58

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

M17--

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	200		1	2	2
10943	Ethanol	64-17-5	230	J	100	500	2
10943	Ethylbenzene	100-41-4	990		10	20	20
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		1	2	2
10943	Toluene	108-88-3	1,100		10	20	20
10943	Xylene (Total)	1330-20-7	3,000		10	20	20
GC Volatiles	**SW-846 8015B**		ug/l		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	11,000		250	500	5

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	UST VOCs by 8260B - Water	SW-846 8260B	1	D103084AA	11/05/2010 01:13	Florida A Cimino	2
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D103121AA	11/08/2010 17:25	Daniel H Heller	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D103084AA	11/05/2010 01:13	Florida A Cimino	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D103121AA	11/08/2010 17:25	Daniel H Heller	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10308A07A	11/04/2010 23:39	Butch A Sokolowski	5
01146	GC VOA Water Prep	SW-846 5030B	1	10308A07A	11/04/2010 23:39	Butch A Sokolowski	5

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Sample Description: QA-T-101030 NA Water
Facility #90020 BTST
1633 Harrison St-Oakland T0600100304 QA

LLI Sample # WW 6130708
LLI Group # 1219426
Account # 10991

Project Name: 90020

Collected: 10/30/2010 07:00

Submitted: 11/03/2010 08:50
Reported: 11/10/2010 12:58

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

TB020

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	D103084AA	11/04/2010 21:02	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D103084AA	11/04/2010 21:02	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10308A07A	11/04/2010 16:22	Butch A Sokolowski	1
01146	GC VOA Water Prep	SW-846 5030B	1	10308A07A	11/04/2010 16:22	Butch A Sokolowski	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1219426
Reported: 11/10/10 at 12:58 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D103084AA	Sample number(s): 6130707-6130708								
Benzene	N.D.	0.5	1	ug/l	93		79-120		
Ethanol	N.D.	50.	250	ug/l	104		54-149		
Ethylbenzene	N.D.	0.5	1	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	84		76-120		
Toluene	N.D.	0.5	1	ug/l	98		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	99		80-120		
Batch number: D103121AA	Sample number(s): 6130707								
Ethylbenzene	N.D.	0.5	1	ug/l	97		79-120		
Toluene	N.D.	0.5	1	ug/l	99		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	102		80-120		
Batch number: 10308A07A	Sample number(s): 6130707-6130708								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	118	118	75-135	0	30

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: D103084AA	Sample number(s): 6130707-6130708 UNSPK: P130860								
Benzene	90	98	80-126	9	30				
Ethanol	84	93	37-164	9	30				
Ethylbenzene	90	96	71-134	7	30				
Methyl Tertiary Butyl Ether	76	83	72-126	7	30				
Toluene	92	100	80-125	8	30				
Xylene (Total)	95	103	79-125	8	30				
Batch number: D103121AA	Sample number(s): 6130707 UNSPK: P131462								
Ethylbenzene	99	99	71-134	1	30				
Toluene	101	100	80-125	0	30				
Xylene (Total)	103	103	79-125	0	30				
Batch number: 10308A07A	Sample number(s): 6130707-6130708 UNSPK: P130731								
TPH-GRO N. CA water C6-C12	118		63-154						

Surrogate Quality Control

*- 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: 1219426
Reported: 11/10/10 at 12:58 PM

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: D103084AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6130707	85	91	100	103
6130708	90	98	97	93
Blank	89	93	98	91
LCS	89	96	97	97
MS	89	97	97	96
MSD	89	98	99	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: D103121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	93	95	100	94
LCS	90	95	98	96
MS	91	95	99	97
MSD	90	97	99	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10308A07A

	Trifluorotoluene-F
6130707	132
6130708	96
Blank	96
LCS	102
LCSD	103
MS	104
Limits:	63-135

*- 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.

10991 / 1219426 / 6130707 -08

CHAIN OF CUSTODY FORM AMENDED

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

COC 1 of 1

Chevron Site Number: 90020

Chevron Site Global ID: T0600100304

Chevron Site Address: 1633 Harrison St.,

Oakland, CA

Chevron PM: DAVE PATTEN

Chevron PM Phone No.: (925)543-1740

☒ 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. 510-420-3351

Consultant Project No. 101030-P(1

Sampling Company: Blaine Tech Services

Sampled By (Print): Pete Cornish

Sampler Signature:

Charge Code: NWRTB-0090020-0-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 900 Temp. 1°C

ANALYSES REQUIRED

SAMPLE ID							H	H												Preservation Codes
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS ~~EPH-S~~ BTEX ☒ MTBE ☒ OXYGENATES ☐ HVOC ☐	EPA 8015B DRO ☐ ORO ☐ GRO ☒ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH ☐	EPA 413.1 OIL & GREASE ☐	EPA 8260 ETHANOL	EPA 8015 TPH-D ☐			H =HCL T= Thiosulfate N =HNO_3 B = NaOH S = H_2SO_4 O = Other
MW-17	W		101030	740	6	VOA	X	X									X			Special Instructions Must meet lowest detection limits possible for 8260 Compounds
QA	T		↓	700	2	↓	X	X												Notes/Comments

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	10/30/10 1500		BTS	10/30/10 1500
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	11/2/10 1200 *			
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☒ Hours☐ 24 Hours☐ Other☐ 48 hours☐ 72

Sample Integrity: (Check by lab on arrival)

Intact: ____ On Ice: ____ Temp: ____

COC #

* SHIPPED VIA FEDEX

10991/1219426/6130707-08

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd.■ San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 90020
Chevron Site Global ID: T0600100304
Chevron Site Address: 1633 Harrison St.,
Oakland, CA
Chevron PM: DAVE PATTEN
Chevron PM Phone No.: (925)543-1740
☒ 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. 510-420-3351
Consultant Project No. 101038-P(1
Sampling Company: Blaine Tech Services
Sampled By (Print): Pete Cornish
Sampler Signature:

Charge Code: NWRTB-0090020-0-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 900, Temp. 1°C

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G ☒ BTEX ☒ MTBE ☒ OXYGENATES ☐ HVOC ☐	EPA 8015B GRO ☐ DRO ☐ ORO ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH ☐	EPA 413.1 OIL & GREASE ☐	EPA 8260 ETHANOL	EPA 8015 TPH-D ☐	Preservation Codes	Notes/Comments
MW-17	W		101038	740	6	VOA	X										X			
QA	T		↓	700	2	↓	X													

Preservation Codes: H =HCL T= Thiosulfate; N =HNO_3 B = NaOH; S = H_2SO_4 O = Other

Special Instructions: Must meet lowest detection limits possible for 8260 Compounds

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
[signature]	BTS	10/30/10 1500	[signature]	BTS	10/30/10 1500
[signature]	BTS	11/2/10 1200 *			
			Kristin Legg LL		11-3-10 0850

Turnaround Time: Standard ☒ 24 Hours ☐ 48 hours ☐ 72 Hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 1.3° C

COC #

* SHIPPED VIA FEDEX

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

Analytical test results 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.

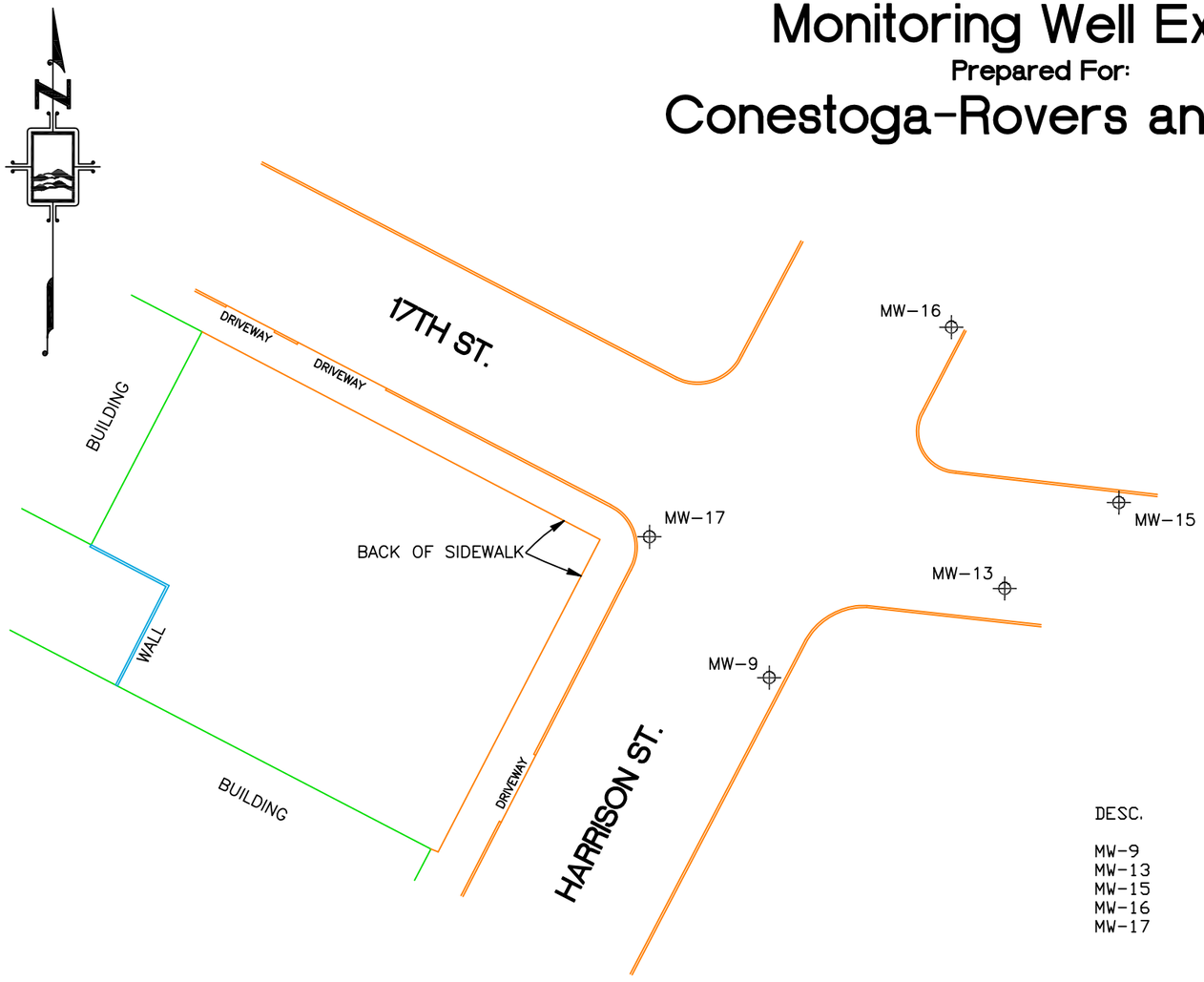
APPENDIX H

WELL SURVEY DATA

Monitoring Well Exhibit

Prepared For:

Conestoga-Rovers and Assoc.



BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING CSDS VIRTUAL SURVEY NETWORK.

COORDINATE DATUM IS NAD 83.

REFERENCE GEOID IS GEOID03.

VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.

DESC.	NORTHING	EASTING	LATITUDE	LONGITUDE	EL. PVC	EL. BOX
MW-9	2120437.3	6051447.7	37.8051155	-122.2661535	34.56	34.96
MW-13	2120462.5	6051514.4	37.8051883	-122.2659244	34.54	34.95
MW-15	2120486.8	6051546.7	37.8052567	-122.2658141	33.94	34.44
MW-16	2120536.5	6051499.3	37.8053905	-122.2659814	34.21	34.49
MW-17	2120477.1	6051413.8	37.8052232	-122.2662734	34.53	34.90

0 20 40 80 120

SCALE IN FEET

Former Chevron Station 9-0020
1633 Harrison St.
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1255 Starboard Drive
West Sacramento
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Date: 10-20-10
Scale: 1"=40'
Sheet 1 of 1
Revised:
Field Book: MW-52
Dwg. No. 0857-160 MAM