Alexis Fischer
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6441
afischer@chevron.com

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

Re: Former Chevron Service Station No. 90019
210 Grand Avenue, Oakland, CA

I have reviewed the following Site Assessment Report, dated May 22, 2014.

This 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 and 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,

Alexis Fischer
Project Manager

Attachment: Site Assessment Report

CONESTOGA-ROVERS & ASSOCIATES

10969 Trade Center Drive, Suite 107
Rancho Cordova, California 95670
Telephone: (916) 889-8900 Fax: (916) 889-8999
www.CRAworld.com

May 22, 2014 Reference No. 632327D

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Site Assessment Report
Former Chevron Service Station 90019
210 Grand Avenue
Oakland, California
Case No. RO137

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Site Assessment Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). This report summarizes the results of soil and groundwater sampling, and the findings from a limited preferential pathway investigation. This work was undertaken to further delineate the extent of benzene in groundwater downgradient of the site, evaluate the appropriateness of the screened interval in monitoring well MW-4, and evaluate the possibility of preferential pathways to Lake Merritt through underground utility trenches downgradient of the site.

Work was performed in accordance with previously submitted *Site Assessment Work Plan*, dated December 6, 2013. Alameda County Environmental Health (ACEH) conditionally approved the work plan in a letter dated December 23, 2013 (Attachment A). ACEH also requested that a special groundwater monitoring and sampling event be conducted. A copy of the special event report is included as Attachment B. The site description and background, site assessment work activities and results, preferential pathway investigation, and conclusions and recommendations are presented below.

Site Description and Background

The site was formally a Chevron-branded service station located on the northwest corner of the intersection of Grand Avenue and Bay Place (Figure 1). The majority of the site is currently occupied by a paved parking lot for the Downtown Oakland Senior Center; however, the eastern portion of the site is now covered by the southbound lanes of Bay Place (Figure 2). The date the site was first developed as a service station is unknown; however, based on historical aerial photographs, the site appears to have included a service station as early as 1946 with a triangular building in a Y-shaped configuration. This configuration is also shown on an older Chevron site survey and facility plan (date unknown), in which a station building and two canopies formed a Y-shape.

Information regarding other station facilities at this time including previous underground storage tanks (USTs) is unknown; however, it appears the fuel USTs, possibly 6,000-gallon capacity, were located on the southern side of the property and several fill pipes were noted in the sidewalk of Grand Avenue on the facility plan. Sometime between 1946 and 1958, a portion of the western side of the site became part of Montecito Avenue, as this road was reconfigured to intersect perpendicular to Grand Avenue. By 1968, the station appeared to have been reconstructed into the most recent configuration (Figure 2).

The most recent station facilities consisted of a station building with two service bays each containing a hydraulic hoist, three 10,000-gallon fiberglass gasoline USTs, a 1,000-gallon fiberglass used-oil UST, two dispenser islands, and associated product piping (Figure 2). The station was demolished and all facilities were removed in June 1990. In 1992, the property was acquired by the City of Oakland, and the existing parking lot was constructed over the western portion of the site in the mid-1990s. Bay Place was expanded over the eastern portion of the site. Montecito Avenue was closed at Bay Place and its southernmost portion, between Bay Place and Grand Avenue, was incorporated into the Veteran's Memorial Building property (existing senior center) and converted to a parking lot and landscaping. No structures are present on the original service station property.

Surrounding land use is primarily commercial with some residential further from the site. St. Paul's Episcopal Church is located across Bay Place to the east of the site. The Downtown Oakland Senior Center is located to the northwest of the site. To the south and southeast of the site, across Grand Avenue, is Lakeside Park located on the shores of Lake Merritt, an estuarine urban surface water body. Lake Merritt, at its closest point, is approximately 225 feet southwest of the site. The site is relatively flat at an approximate elevation of 8 feet above mean sea level (msl).

Environmental investigations and assessments have been ongoing since 1989 when monitoring wells were installed. Investigations to date include: installing monitoring wells MW-1 through MW-9; quarterly to semi-annual groundwater monitoring; confirmation soil sampling during UST removal; and a soil vapor survey. Monitoring wells MW-4 and MW-5 remain onsite, well MW-6 is offsite in a landscaped area to the west, and wells MW-7 through MW-9 are in Grand Avenue to the south and southwest. Monitoring wells MW-1 through MW-3 have been destroyed due to construction or soil excavation. Well locations are shown on Figure 2. Soil and groundwater remedial actions have consisted of extensive over-excavation of hydrocarbon-bearing source area soil (approximately 1,700 cubic yards) in 1990, 1991, and 1996; groundwater extraction (approximately 2,500 gallons) in 1993; the placement of Oxygen Releasing Compound®(ORC) in well MW-5 from 1998 to 2004; and oxygen injection into well MW-5 in 2009.

Site Assessment Work Actvities

Soil Boring Advancement and Soil Sampling

Soil boring B-6 (Figure 2) was advanced on April 17, 2014, by Confluence Environmental Inc. (Confluence), of Sacramento, California (C-57 No. 913194) under CRA's supervision in accordance with Alameda County Public Works Agency (ACPWA) Water Resources Well Permit number W2014-0318 (Attachment C). Boring B-6 was advanced by hand auger to a total depth of 7 feet below grade (fbg). Soil samples were screened at one-foot intervals by

photo-ionization detector (PID) and the soil was continuously logged. Samples collected for chemical analyses were based on visual observation and PID readings.

Three soil samples were collected between 4.5 and 7 fbg for analyses. The soil samples were capped with Teflon squares and plastic end caps, labeled, and placed on ice. Soils encountered during drilling are generally consistent with soils encountered during previous investigations. Silty sand with gravel (fill) was encountered at ground surface to a depth of approximately 1 fbg. Beneath the fill, 1 foot of silt with sand was encountered followed by 1 foot of stiff clay. Underlying the clay, gravelly sand with silt was encountered to the total explored depth of 7 fbg. The boring log for B-6 is included as Attachment D.

Soil Laboratory Analysis

The soil samples were shipped under chain-of-custody (COC) to Eurofins Lancaster Laboratories (Lancaster) in Lancaster, Pennsylvania. The laboratory analytical report for the soil samples is included as Attachment E, and the analytical results are summarized in Table 1 and presented below in Table A. Soil samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B modified
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B

TABLE A

SUMMARY OF SOIL SAMPLE ANALYTICAL DATA FOR B-6

(concentrations in mg/kg)

Sample Depth (fbg)	***TPHg***	***Benzene***	***Toluene***	***Ethylbenzene***	***Xylenes***	***MTBE***
4.5	52	<0.0005	<0.001	0.012	0.001	<0.0005
5.5	41	<0.0005	<0.001	0.035	0.004	<0.0005
6.5	240	<0.024	<0.049	0.52	0.058	<0.024

< Indicates constituent was not detected at or above laboratory reporting limit

mg/kg Milligrams per kilogram

Grab-Groundwater Sampling and Analysis

A grab-groundwater sample was collected by hand bailing water from a 2.75" pre-packed temporary well (1" PVC well) placed into the open borehole. The well was screened from 2 to 7 fbg; static groundwater elevation was measured at a depth of 6.1 fbg. A sample was collected and submitted in laboratory-approved containers and properly sealed, labeled, and preserved on ice, and shipped under COC to Lancaster. The laboratory analytical report for the groundwater sample is included in Attachment E, and the analytical results are summarized below in Table B. The groundwater sample was analyzed for the following:

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

TABLE B

SUMMARY OF GRAB-GROUNDWATER SAMPLE ANALYTICAL DATA FOR B-6

(concentrations in µg/L)

Sample	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*
B-6	12,000	17	4	520	37	<0.5

µg/L Micrograms per liter

Conclusions

The results of this investigation indicate that dissolved hydrocarbons in groundwater beneath the site are primarily limited to the sandy and gravelly soil horizon. Figures 3 and 4 present geologic cross-sections depicting soil encountered beneath the site. The affected soil horizon is identified as silty sand and gravel (SM/GM) on the figures, and appears limited in extent beneath the site; the silty sand and gravel thins and pinches out away from the site based on boring log data. The silt and clay soil encountered beneath the silty sand and gravel and downgradient of the site appears to limit the migration of dissolved hydrocarbons, limiting their extent primarily beneath the site. In well MW-5 that is screened partially in this sand and gravel horizon, hydrocarbons are detected, but in well MW-4 that is screened just below the

sand and gravel in the underlying silt, no hydrocarbons are detected. The extent of hydrocarbons in groundwater beneath the site appears defined based on the results of this investigation.

Preferential Pathway Investigation

Introduction

In order to evaluate whether buried utility lines adjacent to the site could act as preferential pathways for dissolved hydrocarbon migration, CRA contacted several public and private utility providers and obtained as-built utility plans for sewer and storm water utilities from the City of Oakland, and gas and electric utility as-built plans from Pacific Gas and Electric Company (PG&E). CRA also marked for Underground Service Alert (USA) One Call, downgradient of the site, and conducted field meetings with several utility surveyors. From this work, CRA was able to determine the approximate locations of the City of Oakland sewer and storm drain lines, the City of Oakland street light electrical lines, and PG&E's natural gas and electric transmission lines. CRA incorporated the utility location information into the site plan (Figure 2). Additional details of CRA's findings for each utility are detailed below.

Sanitary Sewer and Storm Drains

CRA obtained a sewer and storm water utility map from the City of Oakland (Attachment F). Piping diameters are indicated on the map, but no trench construction details could be determined from the map or legend. CRA contacted Mr. Lee White, Senior Construction Inspector, with City of Oakland Public Works. Mr. White was unable to provide exact details regarding the installation of the storm drain and sewer lines, but provided estimations of burial depth and construction details. CRA also contacted the City of Oakland's records department to obtain the contract details of the trench installation, without success. Based on the minimum age of the installation, it is Mr. White's opinion that the storm drain lines are most likely concrete and the sewer lines are most likely clay, and both trenches were possibly backfilled with ¾-inch gravel (base rock).

CRA took a field measurement of the depth of the storm drain catch basin nearest boring B-6. The depth was measured at six feet from the top of the sidewalk to the bottom of the catch basin. Storm runoff that enters the drain inlet travels west from the site in a 12-inch diameter concrete pipe, joining a 30-inch diameter concrete pipe approximately 90 feet west-northwest of the former property boundary. The 30–inch pipe terminates at Glen Echo Creek, which empties into Lake Merritt. The sanitary sewer lines running north and south of the site are 8 inches in diameter and are of unknown construction. CRA estimates the trench depths to be approximately 5 feet. The cross-sections on Figures 3 and 4 depict the estimated depths and approximate locations of the sewer and storm drain utility trenches. A storm drain trench is located just southwest of boring B-6 shown on Figure 3, and may intersect the coarse-grained sediments beneath the site.

PG&E Natural Gas and Electric Utilities

CRA acquired two as-built utility plan maps from PG&E's gas and electric mapping technicians, that show natural gas and electric service lines paralleling Grand Avenue (Attachment F). Mr. Jerry Cabral, a Senior Mapper with PG&E, was unable to provide trench construction details for the mapped utilities and stated that the information could only be determined by excavation. The as-built maps provided by PG&E indicate that the electric utility line contains a three wire, 500 gauge, 12KV three phase primary conductor and a 4/0 aluminum wire in a 2" conduit, and that the utility was likely emplaced in 1986. The natural gas map indicates that the gas line is constructed of a 10" PVC pipe encapsulated in a 12" concrete conduit which was installed in 1984. A trench width of 2-3' and depth of 4' for the natural gas service is estimated.

CRA met with a PG&E utility line locator at the site on April 17, 2014, to discuss the possible depths and construction details of the nearby underground utilities on Grand Avenue, and observed them open an electrical utility vault manhole. The manhole opens to a large concrete vault with multiple electrical lines that run parallel to the sidewalk down Grand Avenue. The manhole and vault are located just off the western edge of the site plan on Figure 2, approximately 100 feet west of the former site boundary. The PG&E utility locator was not able to provide/confirm exact depths or construction details for the electrical utilities, but estimated that the depths ranged from 3.5 feet for the shallowest electrical line to approximately 10 feet

for the deepest electrical line intersecting the vault. The trench width is approximately 2.5 feet wide, and the trench fill material is unknown, but the utility locator stated it was likely a sand and slurry mixture or concrete, depending on the age of installation. If these utility trenches are backfilled with a sand and slurry mixture or concrete then their permeability is low and it is unlikely that they are acting as preferential pathways.

Street Light Electrical Line

USA markings made by the City of Oakland indicate that an electrical line, connecting the street lights on the north side of Grand Avenue, runs parallel to the sidewalk between Grand Avenue and the site. CRA was unable to establish contact with the city engineer to discuss the possible depth of burial and construction details for the electric trench. CRA estimates the depth of the trench to be 2 feet.

Communication Lines

A field meeting with the communication utility locator who responded to the USA One Call indicated that there are no communication lines installed near the site or along Grand Avenue.

Conclusions and Recommendations

The results of this investigation indicate that dissolved hydrocarbons are primarily limited within the silty sand and gravel soil beneath the site, which defines their extent in groundwater at this site. Although there is a possibility that an adjacent storm drain line running northwest along Grand Avenue could act as a preferential pathway, further assessment work along the utility line would likely be inconclusive. Because this storm drain line carries surface water runoff from Grand Avenue and the surrounding area to Glen Echo Creek, any samples collected from the trench backfill would not be conclusive as to the source of any contaminants found. Historical site groundwater data, especially from well MW-5, shows hydrocarbon concentrations attenuating slowly, suggesting that dilution due to migration of groundwater across the site is insignificant and the remaining hydrocarbon mass is not migrating at a significant rate downgradient of the site, including along the adjacent utility pathways.

Additional assessment is not warranted, and this site should be considered for low-threat closure.

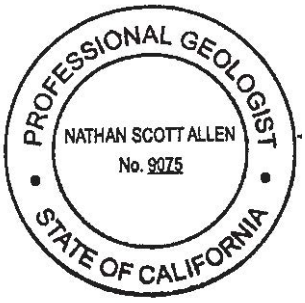
CONESTOGA-ROVERS & ASSOCIATES

May 22, 2014 Reference No. 632327D

Please contact CRA Project Manager Nate Allen at (916) 889-8929 if you have any questions or need any additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES



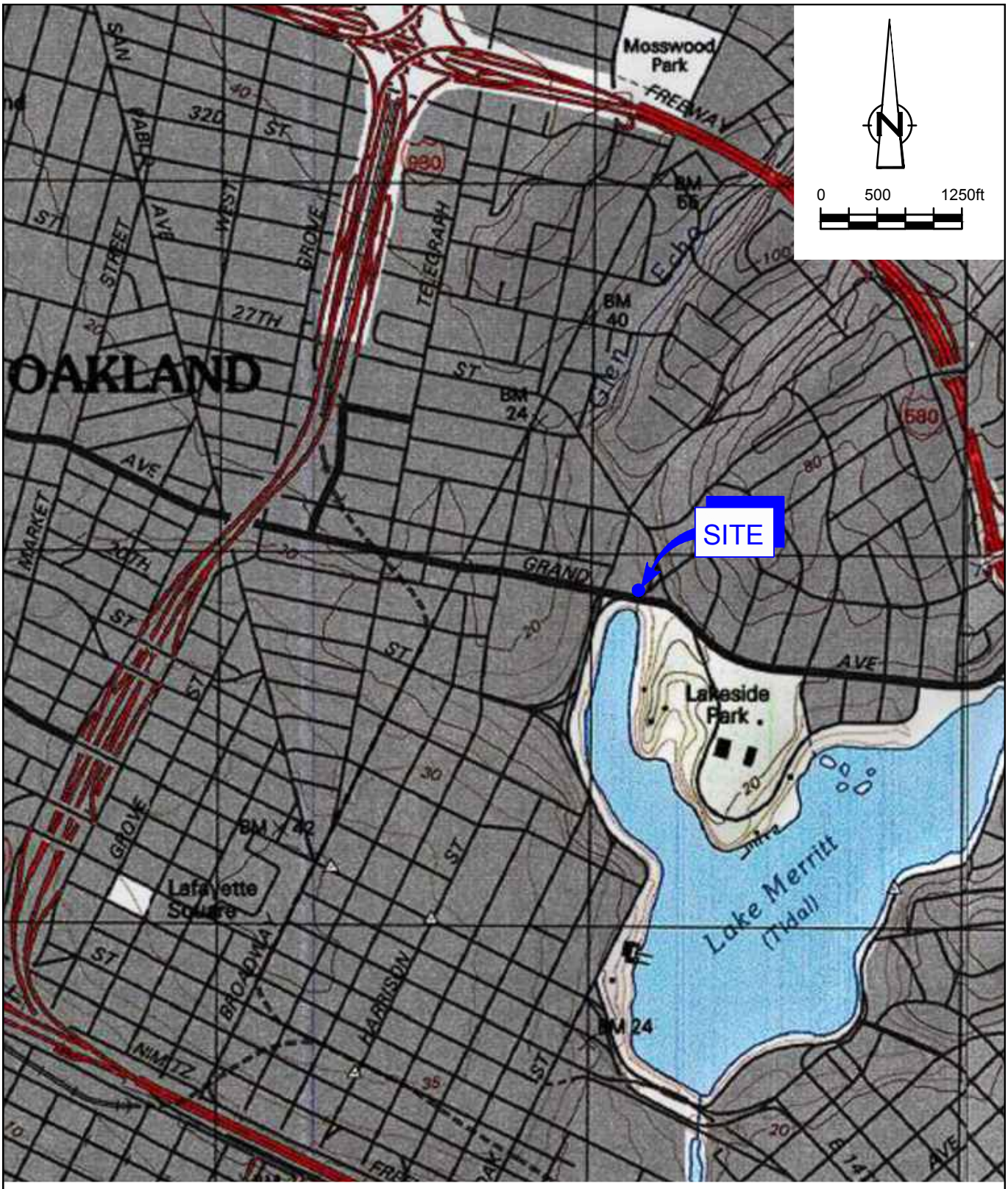
Nate Allen, P.G. 9075

BJS/cm/16
Encl.

Figure 1	Vicinity Map
Figure 2	Site Plan
Figure 3	Geologic Cross Section A-A’
Figure 4	Geologic Cross Section B-B’
Table 1	Summary of Soil Analytical Results
Attachment A	ACEH Correspondence
Attachment B	Annual 2014 Groundwater Monitoring Report
Attachment C	Boring Permit
Attachment D	Boring Log
Attachment E	Laboratory Analytical Results
Attachment F	Utility Maps

cc: Ms. Alexis Fischer, Chevron *(electronic copy)*
Mr. Anthony Reese, City of Oakland

Figures

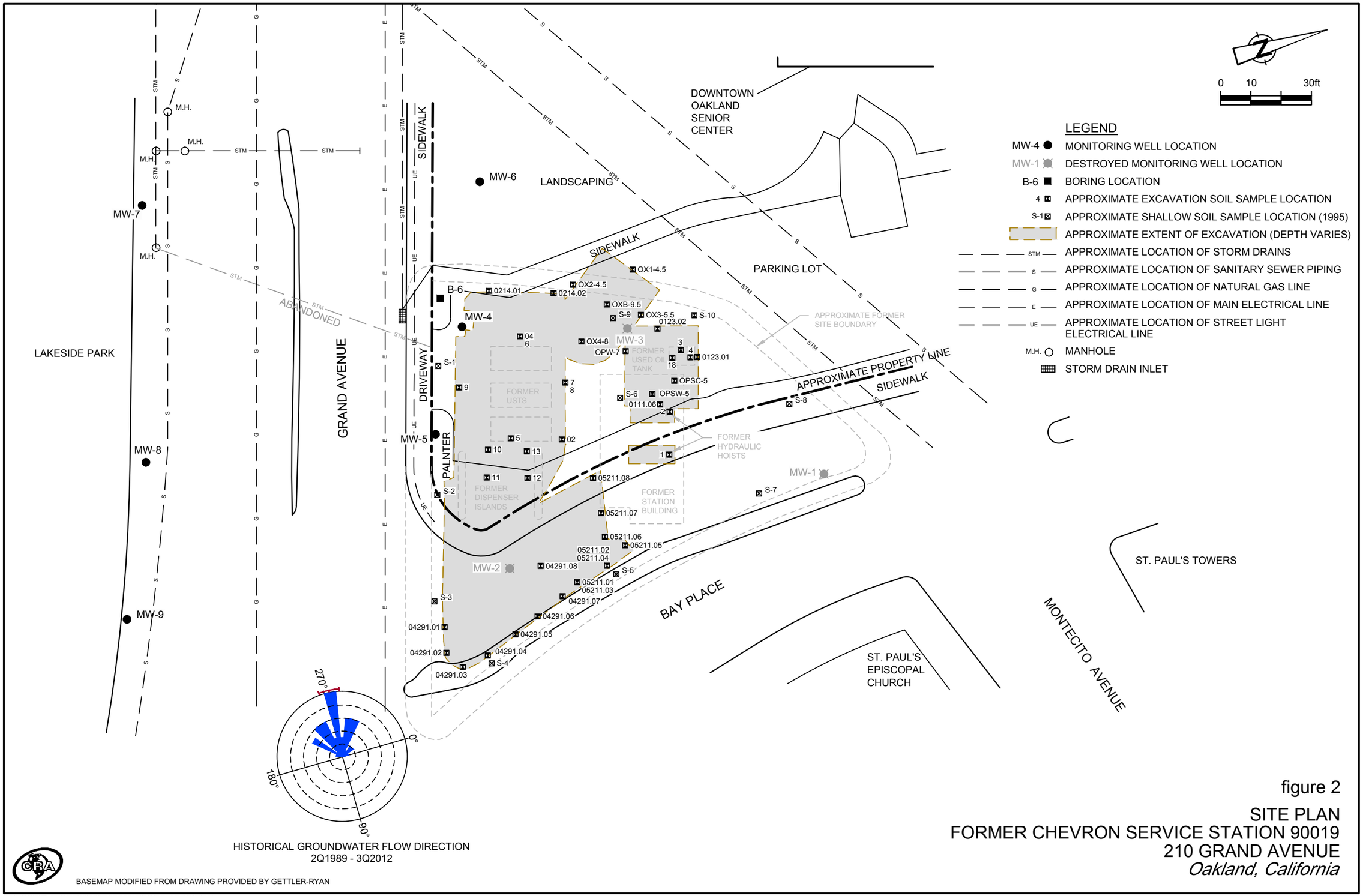


SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California

632327D-2014(016)GN-WA001 APR 28/2014



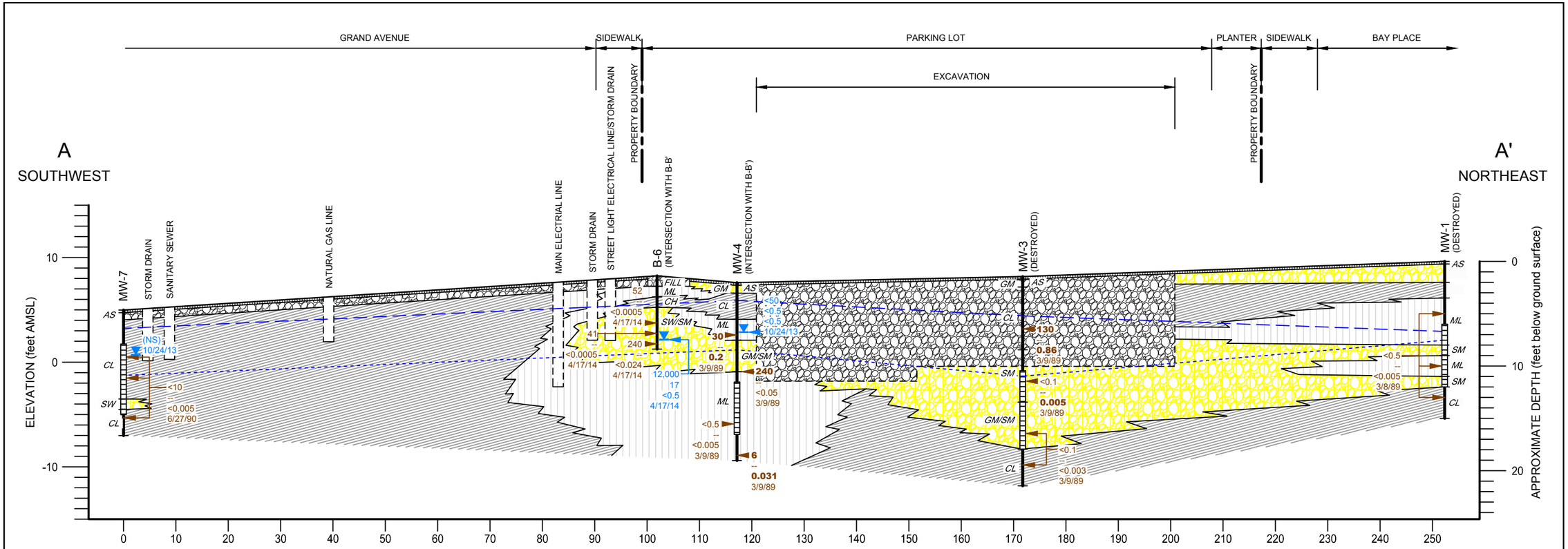
HISTORICAL GROUNDWATER FLOW DIRECTION
2Q1989 - 3Q2012

BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN

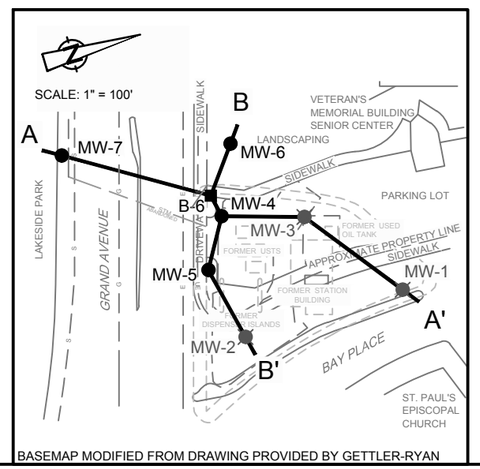
figure 2

SITE PLAN
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California

632327D-2014(016)GN-WA002 MAY 9/2014



SCALE: HORZ. 1" = 20'
VERT. 1" = 10'



BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN

LEGEND

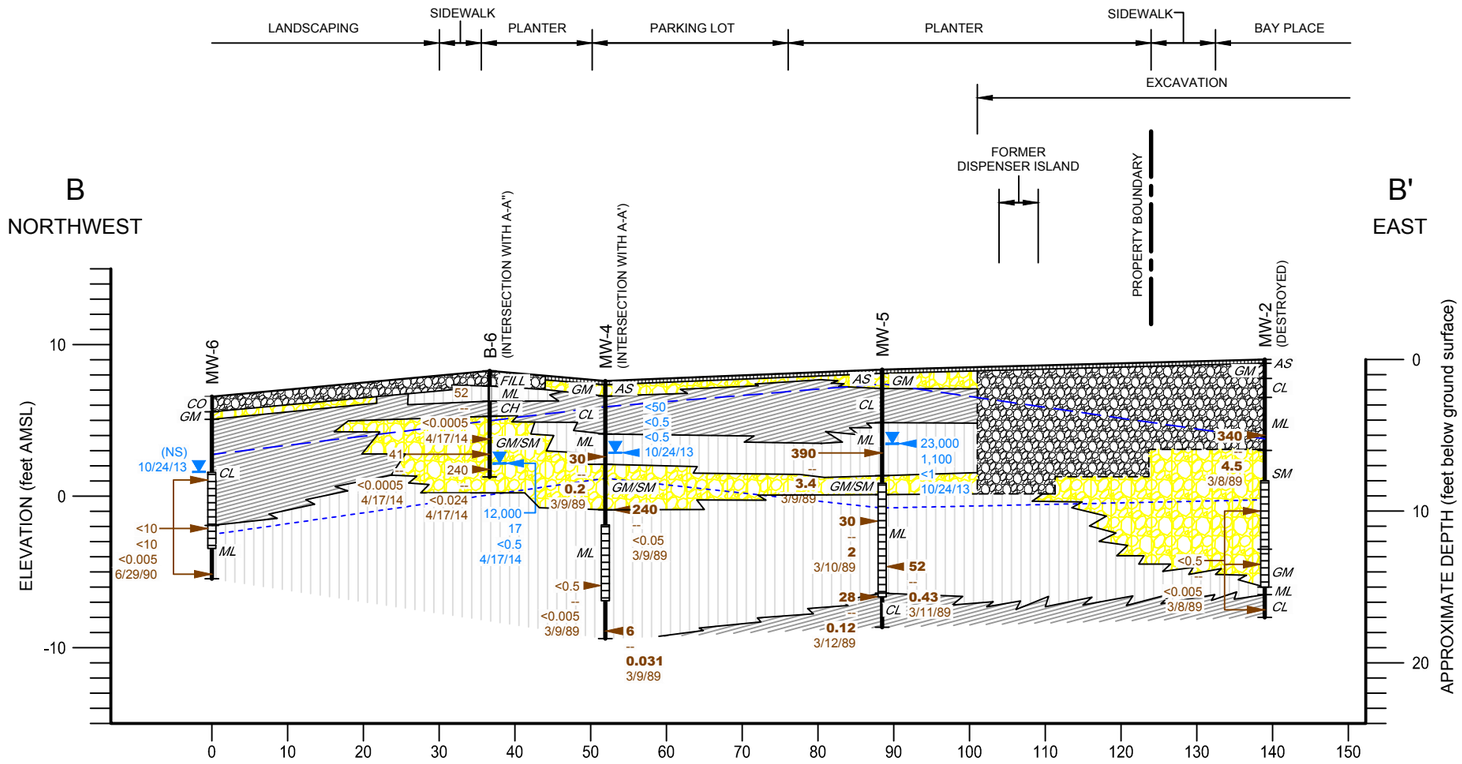
- MW-4 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- APPROXIMATE SOIL SAMPLE LOCATION
- TPHg / TPHd / BENZENE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)
- GROUNDWATER DEPTH (10/24/13)

- *FILL*
- *AS* - ASPHALT
- *CL/CH* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS, INORGANIC CLAY OF HIGH PLASTICITY
- *ML* - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
- *GM/SM/SW* - SILTY GRAVEL AND SILTY SANDS, SAND-SILT MIXTURES - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- (NS) NOT SAMPLED
- -- NOT ANALYZED
- < NOT DETECTED AT OR ABOVE STATED REPORTING LIMITS
- HIGHEST GROUNDWATER ELEVATION
- LOWEST GROUNDWATER ELEVATION

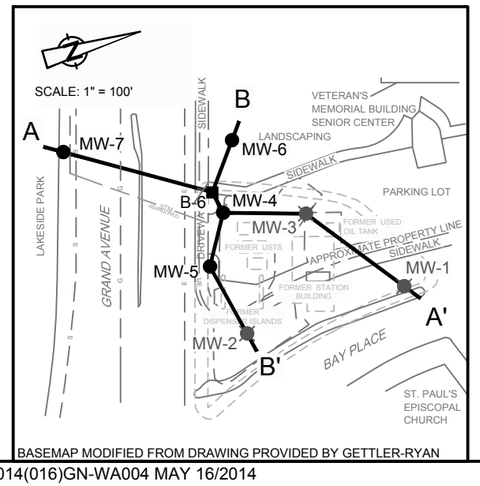
figure 3

GEOLOGIC CROSS SECTION A-A'
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California

632327D-2014(016)GN-WA004 MAY 16/2014



SCALE: HORZ. 1" = 20'
VERT. 1" = 10'



BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN

LEGEND

- MW-4 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- APPROXIMATE SOIL SAMPLE LOCATION
- TPHg / TPHd / BENZENE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)
- GROUNDWATER DEPTH (3/4/10)

- *FILL*
- *AS* - ASPHALT
- *CL* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
- *ML* - INORGANIC SILTS, VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, CLAYEY SILTS WITH SLIGHT PLASTICITY
- *GM/SM/SW* - SILTY GRAVEL AND SILTY SANDS, SAND-SILT MIXTURES - WELL-GRADED SAND, GRAVELLY SANDS, LITTLE OR NO FINES
- (NS) NOT SAMPLED
- -- NOT ANALYZED
- < NOT DETECTED AT OR ABOVE STATED REPORTING LIMITS
- HIGHEST GROUNDWATER ELEVATION
- LOWEST GROUNDWATER ELEVATION (GROUNDWATER ELEVATION DATA FOR MW-5 IN 1993 NOT USED DUE TO GROUNDWATER EXTRACTION)

figure 4

GEOLOGIC CROSS SECTION B-B'
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California

632327D-2014(016)GN-WA004 MAY 16/2014

Table

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION NO. 90019
210 GRAND AVENUE, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Date*	*TPHg*	*TPHd*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*TOG*	*MTBE*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Zn*
			← *concentrations in milligrams per kilogram (mg/kg)* →													
Monitoring Well Borings and Soil Borings																
MW-1	5	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
	10	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
	13	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
MW-2	5	3/8/89	**340**	--	**4.5**	**16**	**8.4**	**32**	--	--	**0.2**	<0.1	--	--	--	--
	10	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
	13.5	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
	16.5	3/8/89	<0.5	--	<0.005	<0.005	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
MW-3	5[a]	3/9/89	**130**	--	**0.86**	**2.5**	**2.3**	**10**	<50	--	**0.061**	--	<10	**38**	**7**	**20**
	10[b]	3/9/89	<0.1	--	**0.005**	**0.007**	<0.005	<0.005	<50	--	<0.005	--	<10	**39**	**5**	**42**
	15[b]	3/9/89	<0.1	--	<0.003	<0.005	<0.005	<0.005	**160**	--	<0.005	--	<10	**60**	**6**	**39**
	18[b]	3/9/89	<0.1	--	<0.003	<0.005	<0.005	<0.005	**360**	--	<0.005	--	<10	**39**	**7**	**51**
MW-4	5	3/9/89	**30**	--	**0.2**	**1.1**	**1**	**4**	--	--	<0.1	<0.1	--	--	--	--
	8.5	3/9/89	**240**	--	<0.05	**0.05**	**0.05**	**0.13**	--	--	<0.05	<0.05	--	--	--	--
	13.5	3/9/89	<0.5	--	<0.005	0.006	<0.005	<0.005	--	--	<0.005	<0.005	--	--	--	--
	16.5	3/9/89	**6**	--	**0.031**	**0.037**	**0.014**	**0.057**	--	--	<0.005	<0.005	--	--	--	--
MW-5	5.5	3/9/89	**390**	--	**3.4**	**13**	**8.3**	**29**	--	--	**0.06**	<0.05	--	--	--	--
	10	3/9/89	**30**	--	**2**	**0.12**	**0.27**	**0.43**	--	--	<0.05	<0.05	--	--	--	--
	13	3/9/89	**52**	--	**0.43**	**0.07**	**0.2**	**0.46**	--	--	<0.05	<0.05	--	--	--	--
	15	3/9/89	**28**	--	**0.12**	**0.03**	**0.04**	**0.15**	--	--	<0.05	<0.05	--	--	--	--
MW-6	5.5[c]	6/29/90	<10	<10	<0.005	<0.005	**0.01**	<0.015	<5	--	<0.005	<0.005	**1**	**29**	**6**	**22**
	8.7[c]	6/29/90	<10	<10	<0.005	<0.005	**0.01**	<0.015	<5	--	<0.005	<0.005	**3**	**26**	**15**	**46**
	11.7[c]	6/29/90	<10	<10	<0.005	<0.005	<0.005	<0.015	<5	--	<0.005	<0.005	**3**	**24**	**15**	**51**

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION NO. 90019
210 GRAND AVENUE, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Date*	*TPHg*	*TPHd*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*TOG*	*MTBE*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Zn*
			← *concentrations in milligrams per kilogram (mg/kg)* →													
MW-7	4.5	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	6.5[c]	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	10.3	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
MW-8	4.8	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	7[c]	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	12	6/27/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
MW-9	5[b]	6/28/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	6.8[b,c]	6/28/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
	10.3[b]	6/28/90	<10	--	<0.005	<0.005	<0.005	<0.015	--	--	--	--	--	--	--	--
B-6	4.5	4/17/14	**52**	**--**	<0.0005	<0.001	**0.012**	**0.001**	--	<0.0005	--	--	--	--	--	--
	5.5	4/17/14	**41**	**--**	<0.0005	<0.001	**0.035**	**0.004**	--	<0.0005	--	--	--	--	--	--
	6.5	4/17/14	**240**	**--**	<0.024	<0.049	**0.52**	**0.058**	--	<0.024	--	--	--	--	--	--
UST/Piping Removal Confirmation Samples																
#1	8	6/20/90	--	<1.0	--	--	--	--	**100**	--	--	--	--	--	--	--
#2	8	6/20/90	--	**180**	--	--	--	--	**1,300**	--	--	--	--	--	--	--
#3[d]	11.5	6/20/90	**41**	**190**	**0.085**	**0.33**	**0.2**	**1.6**	**3,600**	--	--	--	<0.5	**39**	**20**	**43**
#4[e]	10	6/20/90	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	**170**	--	--	--	<0.5	**41**	**3.1**	**26**
~~#5~~	~~7.5~~	~~6/20/90~~	~~<1.0~~	~~--~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	--	--	--	--	--	--	--	--
~~#6~~	~~7~~	~~6/20/90~~	~~**3.3**~~	~~--~~	~~**0.075**~~	~~**0.012**~~	~~**0.033**~~	~~**0.051**~~	--	--	--	--	--	--	--	--
#7	6.5	6/20/90	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
#8	4	6/20/90	<1.0	--	**0.011**	<0.005	**0.025**	**0.0054**	--	--	--	--	--	--	--	--
#9	7	6/20/90	**13**	--	**0.1**	**0.3**	**0.18**	**0.54**	--	--	--	--	--	--	--	--
~~#10~~	~~3~~	~~6/20/90~~	~~**160**~~	~~--~~	~~**2.9**~~	~~**13**~~	~~**4.4**~~	~~**19**~~	--	--	--	--	--	--	--	--
~~#11~~	~~3~~	~~6/20/90~~	~~**100**~~	~~--~~	~~**1.7**~~	~~**0.36**~~	~~**5.1**~~	~~**2.9**~~	--	--	--	--	--	--	--	--
~~#12~~	~~3~~	~~6/20/90~~	~~**67**~~	~~--~~	~~**2.8**~~	~~**7.7**~~	~~**1.4**~~	~~**9**~~	--	--	--	--	--	--	--	--
~~#13~~	~~3~~	~~6/20/90~~	~~**5.1**~~	~~--~~	~~**0.84**~~	~~**0.43**~~	~~**0.19**~~	~~**0.74**~~	--	--	--	--	--	--	--	--
#18[c]	12	6/20/90	**69**	**140**	**0.29**	**2.1**	**1.2**	**4**	**650**	--	--	--	<0.5	**22**	**2.6**	**15**

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION NO. 90019
210 GRAND AVENUE, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Date*	*TPHg*	*TPHd*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*TOG*	*MTBE*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Zn*
			← *concentrations in milligrams per kilogram (mg/kg)* →													
Over-Excavation Confirmation Samples																
OP-W-7.0	7	7/2/90	**130**	--	<0.50	**1.9**	**2.6**	**9**	**50**	--	--	--	--	--	--	--
~~OPSW-5~~	~~5~~	~~7/2/90~~	~~**3.6**~~	~~--~~	~~**0.06**~~	~~**0.12**~~	~~**0.06**~~	~~**0.19**~~	~~<50~~	--	--	--	--	--	--	--
~~OPSC-5~~	~~5~~	~~7/2/90~~	~~**800**~~	~~--~~	~~**1.9**~~	~~**28**~~	~~**17**~~	~~**68**~~	~~**850**~~	--	--	--	--	--	--	--
02	Unknown	11/19/90	<1.0	--	<0.005	<0.005	<0.005	<0.005	<50	--	--	--	--	--	--	--
~~04~~	~~Unknown~~	~~11/19/90~~	~~<1.0~~	~~--~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~<0.005~~	~~**140**~~	--	--	--	--	--	--	--
111-06	Unknown	1/11/91	<1.0	--	<0.005	<0.005	<0.005	<0.005	**60**	--	--	--	--	--	--	--
123-01	Unknown	1/23/91	<1.0	--	<0.005	<0.005	<0.005	<0.005	<50	--	--	--	--	--	--	--
123-02	Unknown	1/23/91	<1.0	--	<0.005	<0.005	<0.005	<0.005	**380**	--	--	--	--	--	--	--
0214.01	Unknown	2/14/91	**4**	--	**0.077**	**0.027**	**0.29**	**0.11**	**190**	--	--	--	--	--	--	--
0214.02	Unknown	2/14/91	**3**	--	**0.084**	**0.019**	**0.17**	**0.35**	<50	--	--	--	--	--	--	--
04291.01, 02	Unknown	4/29/91	**1**	--	<0.005	<0.005	<0.005	**0.013**	--	--	--	--	--	--	--	--
04291.03, 04	Unknown	4/29/91	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
04291.05, 06	Unknown	4/29/91	**3**	--	**0.045**	**0.051**	**0.023**	**0.086**	--	--	--	--	--	--	--	--
~~04291.07, 08~~	~~Unknown~~	~~4/29/91~~	~~**1,100**~~	~~--~~	~~**4.2**~~	~~**48**~~	~~**24**~~	~~**84**~~	--	--	--	--	--	--	--	--
05211-01, 02	Unknown	5/21/91	**25**	--	**0.41**	**2.2**	**0.69**	**2.3**	--	--	--	--	--	--	--	--
05211-03, 04	Unknown	5/21/91	**210**	--	**0.57**	**6.4**	**3.6**	**12**	--	--	--	--	--	--	--	--
05211-05, 06	Unknown	5/21/91	**26**	--	**0.06**	**0.48**	**0.54**	**1.7**	--	--	--	--	--	--	--	--
05211-07, 08	Unknown	5/21/91	**56**	--	**0.17**	**1.9**	**1.3**	**1.6**	--	--	--	--	--	--	--	--
OX1-4.5	4.5	11/14/96	**16**	--	**0.19**	**0.39**	**0.26**	**1**	--	--	--	--	--	--	--	--
OX2-4.5	4.5	11/14/96	**140**	--	**0.54**	**0.78**	**1.3**	**4.8**	--	--	--	--	--	--	--	--
OX3-5.5	5.5	11/14/96	<1.0	--	**0.0096**	**0.014**	<0.005	**0.016**	--	--	--	--	--	--	--	--
OX4-8	8	11/14/96	<1.0	--	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
OXB-9.5	9.5	11/14/96	<1.0	--	<0.005	**0.0098**	<0.005	**0.016**	--	--	--	--	--	--	--	--
Shallow Soil Samples																
S-1	3	12/1/95	<1.0	**8.3**	<0.005	<0.005	<0.005	**0.017**	--	--	--	--	--	--	--	--
S-2	3	12/1/95	**2.8**	**12**	<0.005	**0.0059**	**0.0068**	**0.019**	--	--	--	--	--	--	--	--

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS
FORMER CHEVRON STATION NO. 90019
210 GRAND AVENUE, OAKLAND, CALIFORNIA

Boring/ Sample ID	*Sample Depth (fbg)*	*Date*	*TPHg*	*TPHd*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*TOG*	*MTBE*	*1,2-DCA*	*EDB*	*Cd*	*Cr*	*Pb*	*Zn*
			← *concentrations in milligrams per kilogram (mg/kg)* →													
S-3	3	12/1/95	<1.0	**38**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-4	3	12/1/95	<1.0	**3.2**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-5	3	12/1/95	<1.0	**5.5**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-6	3	12/1/95	<1.0	**2.7**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-7	3	12/1/95	<1.0	**28**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-8	3	12/1/95	<1.0	**8.6**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
S-9	3	12/1/95	**2.1**	**3.2**	**0.026**	**0.034**	**0.029**	**0.13**	--	--	--	--	--	--	--	--
S-10	3	12/1/95	<1.0	**2.8**	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

Abbreviations/Notes:

fbg = feet below grade
TPHg/TPHd = Total petroleum hydrocarbons as gasoline and diesel, respectively
TOG = Total Oil & Grease
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
Cd (cadmium), Cr (chromium), Pb (lead), and Zn (zinc)
< = Not detected at or above stated laboratory reporting limit
-- = Not analyzed
a = Volatile organic compounds (VOCs) not detected except acetone at 0.77 mg/kg
b = VOCs not detected
c = Halogenated VOCs (HVOCs) not detected
d = HVOCs not detected except cis-1,2-DCE (0.14 mg/kg), PCE (0.052 mg/kg), and 1,1,1-TCA (0.25 mg/kg)
e = HVOCs not detected except cis-1,2-DCE (0.026 mg/kg)
Note: samples with "strikethrough" formatting were collected from soil that was later removed

Attachment A

ACEH Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

December 23, 2013

Mr. Brian Waite
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(Sent via electronic mail to:
BWaite@chevron.com)

Mr. Mark Gomez
City of Oakland
250 Frank Ogawa Plaza, Suite 5301
Oakland, CA 94612
(Sent via electronic mail to:
mmgomez@oaklandnet.com)

Subject: Modified Work Plan Approval; Fuel Leak Case No. RO0000137 and Geotracker Global ID T0600100313, Chevron #9-0019, 210 Grand Avenue, Oakland, CA 94610

Dear Messrs. Waite and Gomez:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site, including the *Site Assessment Work Plan,* dated December 6, 2013. The work plan was prepared by the Conestoga-Rovers & Associates (CRA). Thank you for the work plan.

The work plan proposes the installation of one onsite soil bore (B-6). The soil bore will be hand augered to a depth of 9.5 feet below grade surface downgradient of well MW-4 in order to determine if shallow unconfined groundwater conditions are present at the site. If groundwater is not encountered to the depth of 9.5 feet, it will be assumed that groundwater conditions are confined, and that the screened interval (9.5 to 14 feet below grade surface [bgs]) of well MW-4 is representative of site groundwater conditions. If groundwater is present, a grab groundwater sample will be collected. Soil is not proposed to be sampled. The work plan also proposes to review available city of Oakland records for construction details of the current and abandoned storm drain line beneath Grand Avenue.

Based on ACEH staff review of the referenced documents and of the case file we generally concur with the recently proposed scope of work to collect data to satisfy the remaining data gaps associated with the Groundwater Media-Specific Criteria, provided that the modifications requested in the technical comments below, and as previously requested in the directive letter dated May 24, 2013, are addressed and incorporated during the field implementation. 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, submit the requested document, and upon ACEH approval, perform the proposed work, and send us the technical reports requested 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. **Work Plan Modifications –** The referenced work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Please submit a report by the date specified below.

    a. **Soil Sampling and Analysis –** ACEH requests the collection and analytical analysis of a minimum of one soil sample from proposed bore B-6. It appears that the difference in screening intervals in wells MW-4 and MW-5 may account for difference in groundwater contaminant loads between the two wells, as discussed in the ACEH letter dated May 24, 2013 (the screen interval of well MW-5 includes an apparently contaminated gravel layer between 7 to 8.5 feet bgs, and the screen interval of well MW-4 does not include the comparable contaminated gravel later located between 5.5 and 8.5 feet bgs). The collection of soil analytical data from this layer can test this observation. Consequently ACEH requests

that a minimum of one soil sample be collected based upon indications of contamination (photoionization detector response, staining, odor, sheen, etc.).

b. **Utility Preferential Pathway Investigation** – Glen Echo Creek and Lake Merritt are located approximately within 210 feet of the site. Potential exists for contamination to travel through utility conduits to these sensitive receptors. Therefore, please also investigate the construction details (location, depth of burial, size, etc.) of all utility potential preferential pathways that are present downgradient of the site in addition to the abandoned and current storm drain systems (a sewer line is also depicted on Figure 2, and other utility lines may be present but not depicted yet).

c. **Groundwater Monitoring** – Because the site has not demonstrated stability and groundwater concentrations in well MW-5 were rebounding from interim remedial actions taken previously, and because it has not been monitored since September 2012, ACEH requests a groundwater monitoring event be undertaken and included in the report requested. While the highest concentrations in groundwater are associated with events early in the year (March), a gauge of the magnitude, or dissipation, of the rebound can be obtained from a late-in-the-year sampling event.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **March 3, 2014** – Soil and Groundwater Investigation Report
  File to be named: RO137_SWI_R_yyyy-mm-dd

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.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address is not listed on the first page of this letter, or in the list of cc's listed below, ACEH is requesting your email address to help expedite communications and to help lower overall costs.

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

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o, ou, email=mark.detterman@acgov.org, c=US
Date: 2013.12.23 12:15:50 -08'00'

Mark Detterman, PG, CEG
Senior Hazardous Materials Specialist

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

cc: Nathan Allen, 10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
(sent via electronic mail to nallen@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)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic Files

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT/DATA REQUESTS

These reports/data are being requested pursuant to Division 7 of the California Water Code (Water Quality), Chapter 6.7 of Division 20 of the California Health and Safety Code (Underground Storage of Hazardous Substances), and Chapter 16 of Division 3 of Title 23 of the California Code of Regulations (Underground Storage Tank Regulations).

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (Local Oversight Program [LOP] for unauthorized releases from petroleum Underground Storage Tanks [USTs], and Site Cleanup Program [SCP] for unauthorized releases of non-petroleum hazardous substances) require submission of reports in electronic format pursuant to Chapter 3 of Division 7, Sections 13195 and 13197.5 of the California Water Code, and Chapter 30, Articles 1 and 2, Sections 3890 to 3895 of Division 3 of Title 23 of the California Code of Regulations (23 CCR). Instructions for submission of electronic documents to the ACEH FTP site are provided on the attached "Electronic Report Upload Instructions."

Submission of reports to the ACEH FTP site is in addition to requirements for electronic submittal of information (ESI) to the State Water Resources Control Board's (SWRCB) Geotracker website. In April 2001, the SWRCB adopted 23 CCR, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1 (Electronic Submission of Laboratory Data for UST Reports). Article 12 required electronic submittal of analytical laboratory data submitted in a report to a regulatory agency (effective September 1, 2001), and surveyed locations (latitude, longitude and elevation) of groundwater monitoring wells (effective January 1, 2002) in Electronic Deliverable Format (EDF) to Geotracker. Article 12 was subsequently repealed in 2004 and replaced with Article 30 (Electronic Submittal of Information) which expanded the ESI requirements to include electronic submittal of any report or data required by a regulatory agency from a cleanup site. The expanded ESI submittal requirements for petroleum UST sites subject to the requirements of 23 CCR, Division, 3, Chapter 16, Article 11, became effective December 16, 2004. All other electronic submittals required pursuant to Chapter 30 became effective January 1, 2005. Please visit the SWRCB website for more information on these requirements: (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 7835, 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, late 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 SCP)	**REVISION DATE:** July 25, 2012
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

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

REQUIREMENTS

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

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

Submission Instructions

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

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

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

Attachment B

Annual 2014 Groundwater Monitoring Report

CONESTOGA-ROVERS & ASSOCIATES

10969 Trade Center Drive
Rancho Cordova, California 95670
Telephone: (916) 889-8900 Fax: (916) 889-8999
http://www.craworld.com

May 23, 2014 Reference No. 632327D

Mr. Mark Detterman, P.G., C.E.G.
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Annual 2013 Groundwater Monitoring Report
Former Chevron Service Station 90019
210 Grand Avenue
Oakland, California
Case No. RO137

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Annual 2013 Groundwater Monitoring Report* for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring and sampling was performed by Gettler-Ryan Inc. (G-R) of Dublin, California, and their *Groundwater Monitoring and Sampling Report* is included as Attachment A. Current groundwater monitoring data are presented in Table 1. Eurofins Lancaster Laboratory Environmental, LLCs' *Analytical Results* report is included as Attachment B. Historical groundwater monitoring and sampling data are included as Attachment C.

RESULTS OF THE ANNUAL 2013 EVENT

On October 24, 2013, G-R monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction — West-northwest (Figure 2)
- Hydraulic Gradient — 0.02
- Approximate Depth to Water — 4 to 5.5 feet below grade

The analytical results of the current sampling event are presented below in Table A and summarized on Figure 2.

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*MTBE (µg/L)*
ESL	***500***	***27***	***130***	***43***	***100***	***1,800***
MW-4	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	**23,000**	**1,100**	**390**	**1,200**	**1,900**	<1
MW-6	Monitored only					
MW-7	Monitored only					
MW-8	Unable to access due to extremely compacted cold patch					
MW-9	Monitored only					

µg/L Micrograms per liter
< Indicates constituent was not detected at or above the stated laboratory reporting limit
ESL Groundwater Screening Level – Table F-1b, Groundwater is not a current or potential drinking water resource – SF Bay RWQCB, May 2013

CONCLUSIONS AND RECOMMENDATIONS

Results of this annual groundwater monitoring and sampling event indicate:

- The detected total petroleum hydrocarbons as gasoline (TPHg), benzene, ethylbenzene, toluene and xylenes concentrations in MW-5 are generally consistent with historic results.
- No methyl tertiary butyl ether (MTBE) was detected in MW-5, and has not been detected in this well since 2002.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
Groundwater will continue to be monitored if requested by ACEH

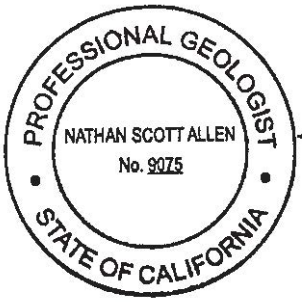
CONESTOGA-ROVERS & ASSOCIATES

May 23, 2014 Reference No. 632327D

We appreciate your assistance on this project. Please contact Nate Allen at (916) 889-8900 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

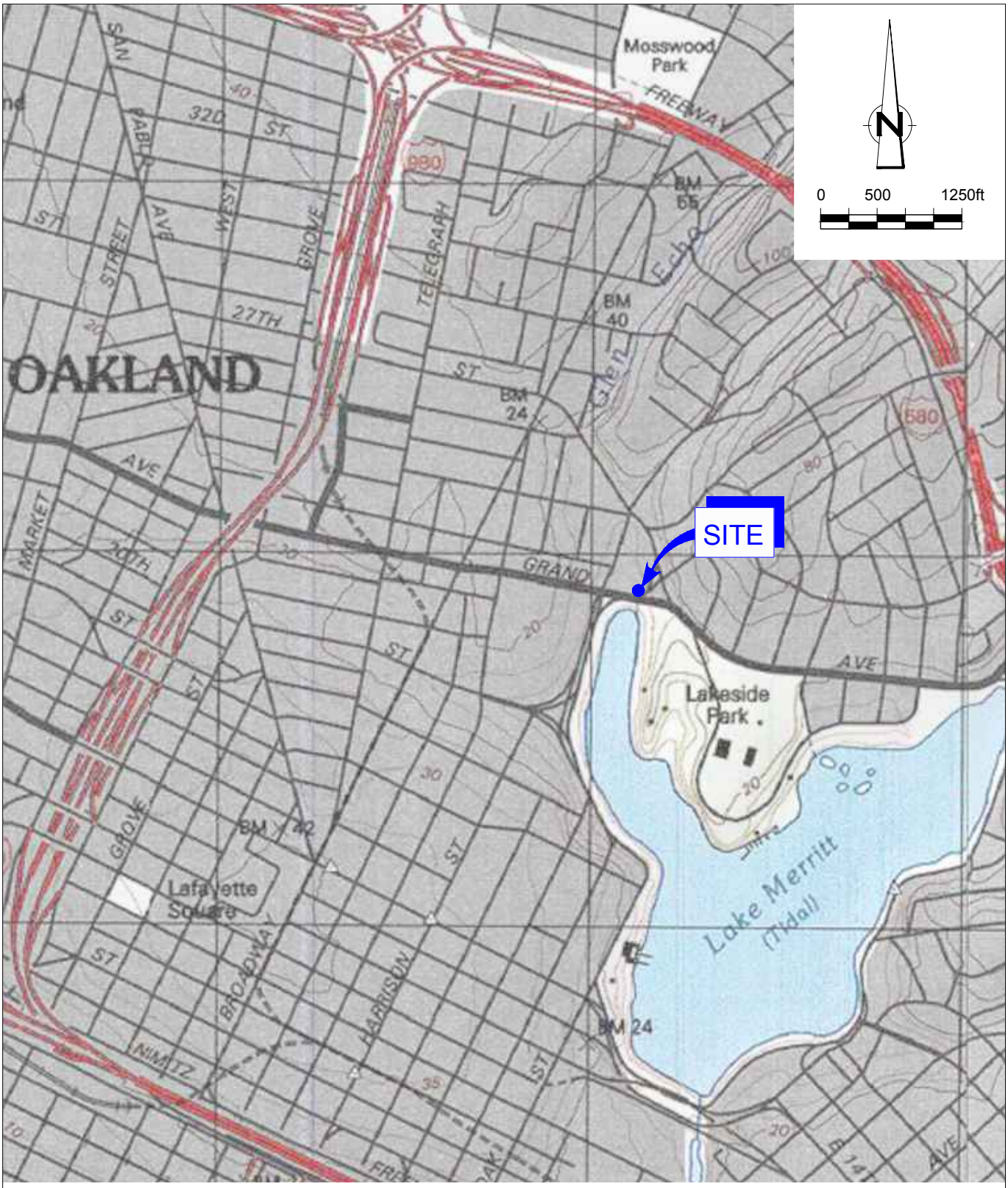


Nathan Allen, P.G. 9075

NA/aa/13
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation Contour and Concentration Map
Table 1	Current Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report
Attachment C	Historical Groundwater Monitoring and Sampling Data

FIGURES

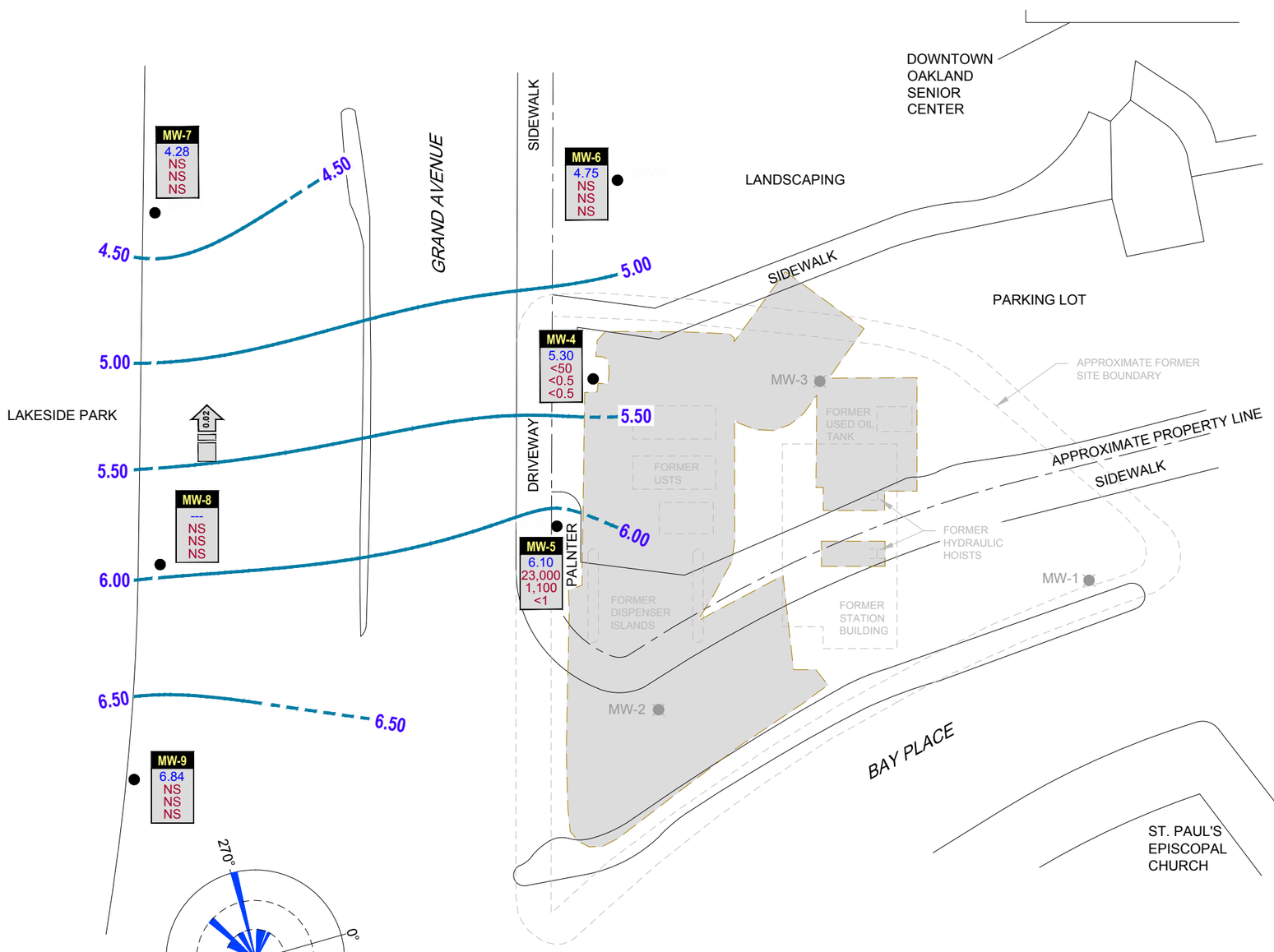


SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California

632327-95(013)GN-EM001 FEB 11/2014



HISTORICAL GROUNDWATER FLOW DIRECTION

0 10 30ft

LEGEND

- MW-4 ● MONITORING WELL LOCATION
- MW-1 ● ABANDONED MONITORING WELL LOCATION
- APPROXIMATE EXTENT OF EXCAVATION (DEPTH VARIES)
- WELL / ELEV / TPHG / BENZ / MTBE — WELL DESIGNATION; GROUNDWATER ELEVATION; TPHg CONCENTRATION (µg/L); BENZENE CONCENTRATION (µg/L); MTBE CONCENTRATION (µg/L)
- NS NOT SAMPLED
- 6.50 GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL), DASHED WHERE INFERRED
- x.xx GROUNDWATER FLOW DIRECTION AND GRADIENT

Figure 2

GROUNDWATER ELEVATION CONTOUR AND CONCENTRATION MAP
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
Oakland, California
October 24, 2013

BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
OAKLAND, CALIFORNIA

					HYDROCARBONS	*PRIMARY VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by SW8260*
	Units	*ft*	*ft*	*ft-amsl*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
MW-4	**10/24/2013**	**10.03**	**4.73**	**5.30**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-5	**10/24/2013**	**10.99**	**4.89**	**6.10**	**23,000**	**1,100**	**390**	**1,200**	**1,900**	**<1**
MW-6	**10/24/2013**	**10.23**	**5.48**	**4.75**	**-**	**-**	**-**	**-**	**-**	**-**
MW-7	**10/24/2013**	**8.08**	**3.80**	**4.28**	**-**	**-**	**-**	**-**	**-**	**-**
MW-8	**10/24/2013[1]**	**9.88**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-9	**10/24/2013**	**10.74**	**3.90**	**6.84**	**-**	**-**	**-**	**-**	**-**	**-**
QA	**10/24/2013**	**-**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 90019
210 GRAND AVENUE
OAKLAND, CALIFORNIA

µg/L = Micrograms per Liter

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

MTBE = Methyl tert butyl ether

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

1 Inaccessible

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

November 4, 2013
G-R #386500

TO: Mr. Nate Allen
Conestoga-Rovers & Associates
10969 Trade Center Dr, Suite 107
Rancho Cordova, CA 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-0019
210 Grand Avenue
Oakland, California
RO 0000137

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Special Event of October 24, 2013**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-0019

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #9-0019**
Site Address: **210 Grand Avenue**
City: **Oakland, CA**

Job #: **386500**
Event Date: 10-24-13
Sampler: AW

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	BOLTS (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y / N
MW-4	OK	→	IRR	IR	OK	→	→	N	N	Diversified /12"/2	N
MW-5	OK	→	→	→	→	→	→	↓	↓	Emco/12"/2	↓
MW-6	OK	→	→	→	→	→	→	Y	Y	BL /8"/3	
MW-7	OK	NA	→	→	OK	→	→	N	N	City Monument	
MW-8	→	→	→	→	→	UTA	→				
MW-9	OK	NA	→	→	OK	→	→	N	N	City monument	

Comments MW-8 unable to access due to Extremely Compacted Cold patch

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-0019** Job Number: **386500**

Site Address: **210 Grand Avenue** Event Date: 10-24-13 (inclusive)

City: **Oakland, CA** Sampler: MW

Well ID MW-4 Date Monitored: 10-24-13

Well Diameter 2 (4)

Total Depth 13.78 ft.

Depth to Water 4.73 ft.

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

☐ Check if water column is less then 0.50 ft.

9.05 xVF .66 = 5.97 x3 case volume = Estimated Purge Volume: 18.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.54

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	✓
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0730 Weather Conditions: Dark / Dawn

Sample Time/Date: 0805 / 10-24-13 Water Color: Clear Odor: Y / N

Approx. Flow Rate: low gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 5.78

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0736	6.0	6.65	0.76	20.4		
0742	12.0	6.67	0.82	20.5		
0750	18.0	6.70	0.86	20.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt: 1

GETTLER-RYAN INC.

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: **Chevron #9-0019** Job Number: **386500**
Site Address: **210 Grand Avenue** Event Date: 10-24-13 (inclusive)
City: **Oakland, CA** Sampler: AW

Well ID **MW-5** Date Monitored: 10-24-13
Well Diameter 4 in.
Initial Total Depth 11.01 ft.
Final Total Depth 11.04 ft.
Depth to Water 4.89 ft. ☐ Check if water column is less then 0.50 ft.

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

6.12 xVF .66 = 4.03 x10 case volume = Estimated Purge Volume: 40.0 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.11

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

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

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

Start Time (purge): 0815 Weather Conditions: Cloudy
Sample Time/Date: 0930 / 10-24-13 Water Color: Clear Odor: (Y) N Strong
Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear
Did well de-water? Y If yes, Time: 0831 / 0853 Volume: ~17.0 / ~28.0 gal. DTW @ Sampling: 6.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
0819	4.0	9.45	0.42	17.7		
0823	8.0	9.33	0.45	17.9		
0827	12.0	9.11	0.47	18.0		
0831	16.0	8.89	0.50	18.0		
0845	20.0	8.86	0.53	18.2		
0849	24.0	8.86	0.56	18.3		
0853	28.0	8.82	0.57	18.5		
0900	32.0	8.81	0.60	18.5		
0906	36.0	8.77	0.62	18.6		
0915	40.0	8.75	0.62	18.6		

LABORATORY INFORMATION

SAMPLE ID	(#)CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: INITIAL CGI READING: 0.00
Denatured during purging, allowed for recovery before continuing purging.

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: Add/Replaced Plug:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-0019** Job Number: **386500**

Site Address: **210 Grand Avenue** Event Date: 10-24-13 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID MW-6 Date Monitored: 10-24-13

Well Diameter 2 | 4

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

Total Depth 8.01 ft.

Depth to Water 5.48 ft. ☐ Check if water column is less then 0.50 ft.

2.53 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

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

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: M/O

Add/Replaced Lock: ✓ Add/Replaced Plug: ✓ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0019 Job Number: 386500
Site Address: 210 Grand Avenue Event Date: 10-24-13 (inclusive)
City: Oakland, CA Sampler: MW

Well ID MW-7 Date Monitored: 10-24-13
Well Diameter (2) 4
Total Depth 9.95 ft.
Depth to Water 3.80 ft.

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

☐ Check if water column is less then 0.50 ft.

6.15 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

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

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: M/O

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0019 Job Number: 386500
Site Address: 210 Grand Avenue Event Date: 10-24-13 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW- 8 Date Monitored: 10-24-13
Well Diameter (2) 4
Total Depth 7.75 ft.
Depth to Water ft.

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

☐ Check if water column is less then 0.50 ft.

xVF = x3 case volume = Estimated Purge Volume: gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]:

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

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

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: Unable to access due to extremely compacted cold patch.

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-0019** Job Number: **386500**

Site Address: **210 Grand Avenue** Event Date: 10-24-13 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID **MW-9** Date Monitored: 10-24-13

Well Diameter (2)4

Total Depth 8.52 ft.

Depth to Water 3.90 ft.

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

☐ Check if water column is less then 0.50 ft.

4.62 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

Disposable Bailer _____
Pressure Bailer _____
Metal Filters _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

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

Start Time (purge): _____ Weather Conditions: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N** _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: M/O

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories 102413-03

For Eurofins Lancaster Laboratories use only
Acct. # ______ Group # ______ Sample # ______
Instructions on reverse side correspond with circled numbers.

SCR #: ______

① Client Information

Facility # SS#9-0019-OML G-R#386500 WBS Global ID#T0600100313

Site Address 210 GRAND AVENUE, OAKLAND, CA

Chevron PM BW CRAAN Lead Consultant Allen

Consultant/Office Gettler-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180

Consultant Phone # (916) 889-8929 x

Sampler Alex Wong

④ Matrix: Sediment ☐, Ground ☒, Surface ☐ (Water); Potable ☐, NPDES ☐; Air ☐; Soil ☐; Oil ☐

⑤ Analyses Requested: BTEX + MTBE 8260 ☒ / 8021 ☐; TPH-GRO 8260 ☐ / 8015 ☒; TPH-DRO 8015 without Silica Gel Cleanup ☐; TPH-DRO 8015 with Silica Gel Cleanup ☐; 8260 Full Scan; Oxygenates; Total Lead Method; Dissolved Lead Method

② Sample Identification	Soil Depth	Collected Date	Collected Time	③ Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead
QA -		10-24-13	—	X			X		2	X	X						
MW-4		↓	0805	X			X		6	X	X						
MW-5		↓	0930	X			X		6	X	X						

☐ Results in Dry Weight
☐ 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

⑥ Remarks

⑦ Turnaround Time Requested (TAT) (please circle)

(Standard — circled) 5 day 4 day
72 hour 48 hour 24 hour

Relinquished by	Date	Time	Received by	Date	Time
[signature]		1200	A. Salgar	24OCT13	1200

Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ______ | Received by | Date | Time ⑨

⑧ Data Package (circle if required)
Type I - Full
Type VI (Raw Data)

EDD (circle if required)
EDF/EDD
EDFFLAT (default)
Other: ______

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

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

January 31, 2014

Project: 90019

Submittal Date: 10/25/2013
Group Number: 1429143
PO Number: 0015142554
Release Number: HOPKINS/WAITE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-131024 NA Water	7251867
MW-4-W-131024 Grab Groundwater	7251868
MW-5-W-131024 Grab Groundwater	7251869

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

ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: Nathan Allen

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-131024 NA Water
Facility# 90019 Job# 386500 GRD
210 Grand Ave-Oakland T0600100313

LL Sample # WW 7251867
LL Group # 1429143
Account # 10904

Project Name: 90019

Collected: 10/24/2013

Submitted: 10/25/2013 09:20
Reported: 01/31/2014 10:37

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GAOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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	F133042AA	10/31/2013 09:10	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133042AA	10/31/2013 09:10	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13301A07A	10/28/2013 13:23	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13301A07A	10/28/2013 13:23	Marie D Beamenderfer	1

Sample Description: MW-4-W-131024 Grab Groundwater
Facility# 90019 Job# 386500 GRD
210 Grand Ave-Oakland T0600100313

LL Sample # WW 7251868
LL Group # 1429143
Account # 10904

Project Name: 90019

Collected: 10/24/2013 08:05 by AW

Submitted: 10/25/2013 09:20
Reported: 01/31/2014 10:37

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GAOM4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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	F133042AA	10/31/2013 10:15	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133042AA	10/31/2013 10:15	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13301A07A	10/28/2013 15:32	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	13301A07A	10/28/2013 15:32	Marie D Beamenderfer	1

Sample Description: MW-5-W-131024 Grab Groundwater
Facility# 90019 Job# 386500 GRD
210 Grand Ave-Oakland T0600100313

LL Sample # WW 7251869
LL Group # 1429143
Account # 10904

Project Name: 90019

Collected: 10/24/2013 09:30 by AW

Submitted: 10/25/2013 09:20
Reported: 01/31/2014 10:37

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GAOM5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	1,100	10	20
10943	Ethylbenzene	100-41-4	1,200	10	20
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
10943	Toluene	108-88-3	390	10	20
10943	Xylene (Total)	1330-20-7	1,900	10	20
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	23,000	500	10

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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	F133042AA	10/31/2013 10:37	Anita M Dale	2
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F133042AA	10/31/2013 10:58	Anita M Dale	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F133042AA	10/31/2013 10:37	Anita M Dale	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	F133042AA	10/31/2013 10:58	Anita M Dale	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13301A07A	10/28/2013 21:32	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	13301A07A	10/28/2013 21:32	Marie D Beamenderfer	10

Quality Control Summary

Client Name: Chevron Group Number: 1429143
Reported: 01/31/14 at 10:37 AM

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F133042AA	Sample number(s): 7251867-7251869							
Benzene	N.D.	0.5	ug/l	93		78-120		
Ethylbenzene	N.D.	0.5	ug/l	88		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		75-120		
Toluene	N.D.	0.5	ug/l	90		80-120		
Xylene (Total)	N.D.	0.5	ug/l	87		80-120		
Batch number: 13301A07A	Sample number(s): 7251867-7251869							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	112	75-135	2	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: F133042AA	Sample number(s): 7251867-7251869 UNSPK: P250710								
Benzene	100	102	72-134	1	30				
Ethylbenzene	97	98	71-134	1	30				
Methyl Tertiary Butyl Ether	98	98	72-126	0	30				
Toluene	97	100	80-125	4	30				
Xylene (Total)	97	96	79-125	1	30				

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: F133042AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7251867	97	99	102	96
7251868	98	100	102	97
7251869	97	99	103	112
Blank	97	101	103	88
LCS	97	100	100	98

*- Outside of specification
(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: 1429143
Reported: 01/31/14 at 10:37 AM

Surrogate Quality Control

MS	96	101	101	99
MSD	97	102	101	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 13301A07A

	Trifluorotoluene-F
7251867	92
7251868	93
7251869	114
Blank	88
LCS	92
LCSD	97
Limits:	63-135

*- Outside of specification
(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

eurofins | Lancaster Laboratories 162413-03

Acct. # 10904 For Eurofins Lancaster Laboratories use only Group # 429143 Sample # 725867-69

Instructions on reverse side correspond with circled numbers.

SCR #: _____

1 Client Information

Facility # SS#9-0019-OML G-R#386500 WBS Global ID#T0600100313

Site Address 210 GRAND AVENUE, OAKLAND, CA

Chevron PM BW CRAAN Lead Consultant Allen

Consultant/Office Getter-Ryan, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, (deanna@grinc.com), (925) 551-7444 x180

Consultant Phone # (916) 889-8929 x

Sampler Alex Wong

4 Matrix

5 Analyses Requested

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	Soil	Sediment	Water	Ground	Potable	NPDES	Surface	Oil	Air	Total Number of Containers	BTEX + MTBE 8021	BTEX + MTBE 8260	TPH-GRO 8015	TPH-GRO 8260	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		10-24-13		X				X							2		X	X							
mw-4		↓	0805	X				X							6		X	X							
mw-5		↓	0930	X				X							6		X	X							

- [ ] Results in Dry Weight
- [ ] J value reporting needed
- [X] 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

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

Relinquished by	Date	Time	Received by	Date	Time
		1200	A. Fulgar	24Oct13	1200
A. Fulgar	24Oct13	1630	UPS		

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

EDF/EDD

EDFFLAT (default)

Other: _____

Relinquished by Commercial Carrier: UPS X FedEx _____ Other _____

Received by Kristin Lyle Date 10-25-13 Time 0920

Temperature Upon Receipt 0.2-0.5 °C

Custody Seals Intact? (Yes) No

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ATTACHMENT C

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-4																	
03/14/89	7.60	2.08	5.52	3,000	810	200	30	130	--	<3,000	<20	<5.0	<20	<5.0	--	--	--
06/08/89	7.60	3.41	4.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/89	7.60	--	--	900	440	13	22	40	--	--	<20	<5.0	60	<5.0	--	--	--
09/14/89	7.60	2.80	4.80	540	220	2.0	6.1	9.3	--	--	<1.0	2.3	<1.0	<0.2	--	--	--
12/08/89	7.60	2.74	4.86	150	18	<0.3	1.0	<0.6	--	--	<0.5	1.9	--	<0.5	--	--	--
03/19/90	7.60	2.95	4.65	270	50	<0.3	0.7	<0.6	--	--	<0.5	0.8	--	<0.5	--	--	--
07/06/90	7.59	1.17	6.42	140	0.7	<0.3	0.5	<0.6	--	--	<0.5	0.79	--	<0.5	--	--	--
10/03/90	7.59	1.20	6.39	180	<0.3	<0.3	2.0	<0.6	--	--	<0.5	0.5	--	<0.5	--	--	--
08/23/91	7.59	3.17	4.42	400	9.9	6.8	3.1	7.1	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	7.59	2.21	5.38	130	3.4	1.3	3.5	6.0	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	7.59	4.94	2.65	520	15	2.7	6.1	8.6	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	7.59	3.63	3.96	460	20	2.8	5.0	6.9	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	7.59	2.91	4.68	160	1.1	1.7	0.8	2.8	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	7.59	3.96	3.63	110	0.7	0.5	0.9	1.7	--	--	--	--	--	--	--	--	--
03/22/93	7.59	4.69	2.90	930	9.0	3.0	7.0	8.0	--	--	--	--	--	--	--	--	--
06/07/93	7.59	3.70	3.89	240	2.0	0.9	3.0	3.0	--	--	--	--	--	--	--	--	--
09/10/93	7.59	3.07	4.52	<50	<0.5	<0.5	0.8	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	7.59	4.44	3.15	550	3.0	3.0	8.0	12	--	--	--	--	--	--	--	--	--
06/16/94	7.59	3.51	4.08	150	<0.5	0.6	1.5	0.7	--	--	--	--	--	--	--	--	--
09/08/94	7.59	3.04	4.55	<50	<0.5	<0.5	<0.5	1.2	--	--	--	--	--	--	--	--	--
11/29/94	7.59	4.74	2.85	130	<0.5	1.1	<0.5	0.58	--	--	--	--	--	--	--	--	--
03/21/95	7.59	5.89	1.70	720	2.2	<2.0	5.9	<2.0	--	--	--	--	--	--	--	--	--
06/27/95	7.59	4.21	3.38	100	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/27/95	7.59	3.84	3.75	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/29/95	7.59	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/96	7.59	3.71	3.88	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/19/96	7.59	2.53	5.06	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
03/22/97	7.59	3.42	4.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/29/97	10.03	5.76	4.27	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
09/12/97	10.03	5.61	4.42	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/05/97	10.03	5.57	4.46	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
02/21/98	10.03	5.92	4.11	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
08/17/98	10.03	5.61	4.42	120	5.4	7.8	3.0	28	7.4	--	--	--	--	--	--	--	--
03/11/99	10.03	5.69	4.34	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
09/28/99	10.03	4.50	5.53	<50	<0.5	0.69	<0.5	0.901	<5.0	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-4 (cont)																		
03/14/00		10.03	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/00		10.03	4.71	5.32	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
03/21/01		10.03	5.11	4.92	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
09/10/01[4]		10.03	4.65	5.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
03/06/02[4]		10.03	5.06	4.97	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--
09/14/02[4]		10.03	4.86	5.17	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--
03/28/03[5]		10.03	4.85	5.18	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--	--	--	--	--
09/02/03[4,6]		10.03	4.53	5.50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/26/04[4,6]		10.03	5.22	4.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/13/04[6,7]		10.03	4.83	5.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/02/05[6]		10.03	6.13	3.90	<50	<0.5	1	<0.5	2	<0.5	--	--	--	--	--	--	--	--
09/22/05[6]		10.03	5.56	4.47	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/30/06[6]		10.03	6.42	3.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
08/28/06[6]		10.03	5.22	4.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/05/07[6]		10.03	6.01	4.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/24/07[6]		10.03	5.53	4.50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/06/08[6]		10.03	5.43	4.60	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/16/08[6]		10.03	5.51	4.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/02/09[6]		10.03	6.22	3.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/16/09[6]		10.03	4.76	5.27	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/04/10[6]		10.03	5.55	4.48	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/21/10[6]		10.03	4.88	5.15	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/09/11[6]		10.03	5.08	4.95	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/14/11[6]		10.03	6.01	4.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/21/12[6]		10.03	5.82	4.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/15/12		**10.03**	**6.17**	**3.86**	**SAMPLED ANNUALLY**			--	--	--	--	--	--	--	--	--	--	--
MW-5																		
03/14/89		8.35	1.37	6.98	20,000	6,600	1,600	270	1,100	--	<3,000	<100	<20	<20	<20	--	--	--
06/08/89		8.35	3.62	4.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/89		8.35	--	--	15,000	>2,800	270	240	640	--	--	<20	28	<20	<5.0	--	--	--
06/09/89	(D)	8.35	--	--	12,000	5,100	300	240	700	--	--	<200	<50	<20	<50	--	--	--
09/14/89		8.35	2.98	5.37	15,000	>730	>320	>290	440	--	--	<10	<2.0	<20	<2.0	--	--	--
09/14/89	(D)	8.35	--	--	15,000	3,300	450	490	730	--	--	<100	<20	100	<20	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-5 (cont)																		
09/14/89	(T)	8.35	--	--	16,000	3,100	550	400	690	--	--	<50	<10	<50	<10	--	--	--
12/08/89		8.35	-0.78	9.13	20,000	4,600	640	390	1,300	--	--	<0.5	27	--	<0.5	--	--	--
03/19/90		8.35	3.23	5.12	25,000	6,500	1,200	450	2,200	--	--	<0.5	10	--	0.7	--	--	--
07/06/90		8.35	2.54	5.81	30,000	5,600	890	210	1,400	--	--	<0.5	<0.5	--	<0.5	1.2	--	--
10/03/90		8.35	1.45	6.90	29,000	6,000	790	270	1,500	--	--	<0.5	<0.5	--	<0.5	--	2.0	--
08/23/91		8.35	3.30	5.05	36,000	6,100	1,200	460	2,600	--	--	<0.5	3.9	--	<0.5	--	0.9	--
11/22/91		8.35	2.10	6.25	21,000	8,000	1,500	530	2,600	--	--	<0.5	3.9	<0.5	<0.5	1.0	0.8	--
02/26/92		8.35	5.35	3.00	43,000	14,000	1,600	640	4,700	--	--	<0.5	2.0	<0.5	<0.5	--	--	--
05/22/92		8.35	3.86	4.49	72,000	18,000	8,100	920	10,000	--	--	<0.5	6.8	<0.5	<0.5	--	--	--
09/29/92		8.35	3.50	4.85	54,000	14,000	1,400	740	8,100	--	--	<0.5	4.4	--	<0.5	--	--	--
12/23/92		8.35	4.77	3.58	38,000	8,400	910	530	5,300	--	--	<0.5	2.9	--	<0.5	--	--	--
03/22/93		8.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/07/93		8.35	-3.82	12.17	24,000	3,000	280	360	1,200	--	--	<0.5	<0.5	--	<0.5	--	--	--
09/10/93		8.35	-0.15	8.50	8,900	860	160	100	320	--	--	<5.0	<5.0	--	<5.0	--	--	--
03/07/94		8.35	5.30	3.05	9,600	2,100	380	120	290	--	--	<12.5	<12.5	--	<12.5	--	--	--
06/16/94		8.35	2.64	5.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/08/94		8.35	2.43	5.92	10,000	3,600	360	210	460	--	--	<0.5	<0.5	--	<0.5	1.2	--	2.0
09/08/94		8.35	3.04	5.31	14,000	2,800	270	170	360	--	--	<0.5	2.8	--	<0.5	--	--	--
11/29/94		8.35	5.72	2.63	11,000	2,800	280	130	300	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
03/21/95		8.35	7.41	0.94	6,700	1,400	120	100	260	--	--	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	--
06/27/95		8.35	6.01	2.34	18,000	6,100	480	600	990	--	--	<10	<10	<10	<10	<10	<10	--
09/27/95		8.35	4.65	3.70	15,000	3,600	140	210	310	--	--	<25	<25	<25	<25	<25	<25	--
12/29/95		8.35	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/96		8.35	4.31	4.04	5,700	1,800	53	530	84	<100	--	--	--	--	--	--	--	--
12/19/96		8.35	INACCESSIBLE		--	--	--	--	--		--	--	--	--	--	--	--	--
03/22/97		8.35	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/03/97		--	--	4.46	21,000	6,800	4,100	610	1,900	530	--	--	--	--	--	--	--	--
06/29/97		10.99	5.90	5.09	16,000	5,300	1,900	530	1,600	<250	--	--	--	--	--	--	--	--
09/12/97		10.99	5.98	5.01	6,100	1,900	510	120	390	<25	--	--	--	--	--	--	--	--
12/05/97		10.99	5.36	5.63	52,000	11,000	7,700	1,400	3,600	920	--	--	--	--	--	--	--	--
02/21/98		10.99	6.34	4.65	55,000	13,000	11,000	450	3,300	1,200	--	--	--	--	--	--	--	--
06/24/98[1]		10.99	5.51	5.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/17/98		10.99	6.05	4.94	5,700	4,100	1,500	210	81	<50	--	--	--	--	--	--	--	--
03/11/99		10.99	6.09	4.90	11,400	1590	2610	351	1,200	58.2	--	--	--	--	--	--	--	--
09/28/99		10.99	5.45	5.54	21,300	3,250	3,830	656	1,450	<500	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-5 (cont)																	
03/10/00[2]	10.99	5.65	5.34	59,800	4,280	17,100	2,280	7,210	<1,000	--	--	--	--	--	--	--	--
08/29/00	10.99	5.96	5.03	42,000[3]	3,300	6,300	1,700	4,300	<1,000	--	--	--	--	--	--	--	--
03/21/01	10.99	5.79	5.20	26,000[3]	2,500	7,300	1,500	4,200	750	--	--	--	--	--	--	--	--
09/10/01[4]	10.99	5.91	5.08	300	29	50	7.7	66	<5.0	--	--	--	--	--	--	--	--
03/06/01[4]	10.99	6.21	4.78	32,000	2,500	6,900	1,800	5,300	<50	--	--	--	--	--	--	--	--
09/14/02[4]	10.99	6.06	4.93	55,000	2,800	8,400	3,200	8,300	160	--	--	--	--	--	--	--	--
03/28/03[5]	10.99	6.08	4.91	35,000	2,100	5,700	2,500	7,000	<63	--	--	--	--	--	--	--	--
09/02/03[4,6]	10.99	5.76	5.23	680	130	98	54	200	<0.5	--	--	--	--	--	--	--	--
03/26/04[4,6]	10.99	6.35	4.64	15,000	810	2,200	590	2,900	<1	--	--	--	--	--	--	--	--
09/13/04[6,7]	10.99	5.35	5.64	4,800	280	220	170	950	<0.5	--	--	--	--	--	--	--	--
03/02/05[6]	10.99	6.67	4.32	39,000	2,900	5,700	2,700	7,900	<3	--	--	--	--	--	--	--	--
09/22/05[6]	10.99	5.19	5.80	12,000	640	500	190	880	<0.5	--	--	--	--	--	--	--	--
03/30/06[6]	10.99	6.89	4.10	57,000	1,700	4,500	3,500	9,500	<5	--	--	--	--	--	--	--	--
08/28/06[6]	10.99	6.03	4.96	41,000	2,700	580	2,400	5,300	<5	--	--	--	--	--	--	--	--
03/05/07[6]	10.99	6.59	4.40	25,000	1,800	930	1,600	2,600	<1	--	--	--	--	--	--	--	--
09/24/07[6]	10.99	6.09	4.90	13,000	1,200	220	930	860	<2	--	--	--	--	--	--	--	--
03/06/08[6]	10.99	6.11	4.88	22,000	1,100	1,700	1,100	4,300	<3	--	--	--	--	--	--	--	--
09/16/08[6]	10.99	6.01	4.98	11,000	460	200	390	1,200	<0.5	--	--	--	--	--	--	--	--
03/02/09[6]	10.99	6.74	4.25	25,000	450	1,600	2,000	6,000	<3	--	--	--	--	--	--	--	--
09/16/09[6]	10.99	5.28	5.71	990	38	30	28	120	<0.5	--	--	--	--	--	--	--	--
03/04/10[6]	10.99	5.97	5.02	540	9	10	0.7	82	<0.5	--	--	--	--	--	--	--	--
09/21/10[6]	10.99	5.46	5.53	1,900	81	31	180	340	<0.5	--	--	--	--	--	--	--	--
03/09/11[6]	10.99	6.62	4.37	11,000	380	120	980	1,500	<1	--	--	--	--	--	--	--	--
09/14/11[6]	10.99	6.39	4.60	8,400	570	59	1,000	670	<5	--	--	--	--	--	--	--	--
03/21/12[6]	10.99	6.24	4.75	35,000	1,300	550	2,200	3,800	<10	--	--	--	--	--	--	--	--
09/15/12[6]	**10.99**	**6.01**	**4.98**	**7,500**	**1,200**	**390**	**650**	**1,100**	**<3**	--	--	--	--	--	--	--	--
MW-6																	
07/06/90	6.56	-2.53	9.09	210	<0.3	<0.3	3.0	7.0	--	--	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	6.56	0.78	5.78	320	<0.3	0.3	1.0	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	6.56	-0.93	7.49	320	1.7	<0.5	2.1	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	6.56	-1.07	7.63	190	1.9	2.2	5.4	7.7	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	6.56	1.01	5.55	120	2.0	1.5	3.5	5.1	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	6.56	-0.38	6.94	160	1.1	0.6	0.9	1.0	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-6 (cont)																	
09/29/92	6.56	-0.24	6.80	65	0.5	1.4	0.5	0.64	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	6.56	0.57	5.99	140	0.7	0.7	0.9	2.1	--	--	--	--	--	--	--	--	--
03/22/93	6.56	-0.51	7.07	71	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	6.56	-1.05	7.61	85	<0.5	<0.5	2.0	1.0	--	--	--	--	--	--	--	--	--
09/10/93	6.56	1.88	4.68	<50	<0.5	<0.5	1.0	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	6.56	1.34	5.22	<50	<0.5	<0.5	<0.5	0.8	--	--	--	--	--	--	--	--	--
06/16/94	6.56	2.39	4.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	6.56	1.96	4.60	70	<0.5	0.6	<0.5	2.3	--	--	--	--	--	--	--	--	--
11/29/94	6.56	0.03	6.53	120	<0.5	<0.5	1.3	<0.5	--	--	--	--	--	--	--	--	--
03/21/95	6.56	-0.47	7.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/27/95	6.56	0.20	6.36	84	<0.5	<0.5	<0.5	1.1	--	--	--	--	--	--	--	--	--
09/27/95	6.56	2.21	4.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/29/95	6.56	0.41	6.15	<50	<0.5	<0.5	<0.5	<0.5	3.2	--	--	--	--	--	--	--	--
03/28/96	6.56	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/04/96	6.56	2.75	3.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/21/96	6.56	1.64	4.92	130	<0.5	<0.5	<0.5	0.66	<2.5	--	--	--	--	--	--	--	--
09/26/96	6.56	-0.18	6.74	130	<0.5	0.52	0.92	1.0	<2.5	--	--	--	--	--	--	--	--
12/19/96	6.56	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/22/97	6.56	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/29/97	10.23	3.45	6.78	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
09/12/97	10.23	3.97	6.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/05/97	10.23	3.95	6.28	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
02/21/98	10.23	3.88	6.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
08/17/98	10.23	4.33	5.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/11/99	10.23	4.88	5.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/28/99	10.23	4.61	5.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/14/00	10.23	4.64	5.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/00	10.23	4.52	5.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/01	10.23	4.75	5.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/01	10.23	5.04	5.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/02	10.23	4.77	5.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/14/02	10.23	4.99	5.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/03	10.23	4.74	5.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/03[4]	10.23	4.43	5.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	10.23	UNABLE TO LOCATE - NEW LANDSCAPING IN AREA							--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-6 (cont)																	
09/13/04	10.23	4.68	5.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/02/05	10.23	5.27	4.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/05	10.23	4.55	5.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/30/06	10.23	5.88	4.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/28/06	10.23	4.73	5.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/05/07	10.23	5.36	4.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/07	10.23	5.06	5.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/08	10.23	5.25	4.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/08	10.23	5.08	5.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/02/09	10.23	5.40	4.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/09	10.23	4.62	5.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/04/10	10.23	5.27	4.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/10	10.23	4.83	5.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/11[8]	10.23	5.12	5.11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/14/11	10.23	5.46	4.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/12	10.23	5.22	5.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/12	**10.23**	**4.62**	**5.61**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7																	
07/06/90	4.99	-0.86	5.85	<50	<0.3	<0.3	<0.3	<0.6	--	<1,000	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	4.99	-1.26	6.25	<50	<1.5	<1.5	<1.5	<3.0	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	4.99	-0.51	5.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	4.99	-0.74	5.73	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	4.99	0.15	4.84	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	4.99	0.10	4.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	4.99	-0.56	5.55	<50	<0.5	<0.5	<0.5	0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	4.99	0.12	4.87	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/22/93	4.99	0.94	4.05	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	4.99	0.36	4.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/10/93	4.99	-0.57	5.56	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	4.99	0.34	4.65	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/16/94	4.99	-0.08	5.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	4.99	-0.34	5.33	250	34	40	4.4	26	--	--	--	--	--	--	--	--	--
11/29/94	4.99	0.12	4.87	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-7 (cont)	8.08	3.46	4.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/95	4.99	1.31	3.68	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/27/95	4.99	0.53	4.46	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/29/95	4.99	1.24	3.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
03/28/96	4.99	1.74	3.25	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/21/96	4.99	0.66	4.33	<50	<0.5	1.2	<0.5	<0.5	5.3	--	--	--	--	--	--	--	--
09/26/96	4.99	0.04	4.95	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/19/96	4.99	1.81	3.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
03/22/97	4.99	2.26	2.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/29/97	8.08	4.04	4.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
09/12/97	8.08	6.04	2.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/05/97	8.08	5.68	2.40	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
02/21/98	8.08	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/17/98	8.08	3.46	4.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/11/99	8.08	6.33	1.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/28/99	8.08	6.29	1.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/14/00	8.08	4.45	3.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/29/00	8.08	3.60	4.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/01	8.08	5.21	2.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/01	8.08	4.88	3.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/02	8.08	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/14/02	8.08	5.27	2.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/03	8.08	4.92	3.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/03[4]	8.08	4.59	3.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	8.08	5.14	2.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/13/04	8.08	3.72	4.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/02/05	8.08	5.41	2.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/22/05	8.08	3.50	4.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/30/06	8.08	5.78	2.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/28/06	8.08	3.36	4.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/05/07	8.08	5.27	2.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/24/07	8.08	3.66	4.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/08	8.08	4.36	3.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/08	8.08	3.69	4.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/02/09	8.08	5.53	2.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/16/09	8.08	3.70	4.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-7 (cont)	8.08	3.46	4.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/04/10	8.08	3.77	4.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/10	8.08	3.87	4.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/11[6,8]	8.08	5.03	3.05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/14/11	8.08	4.13	3.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/12	8.08	4.75	3.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/12	**8.08**	**4.60**	**3.48**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8																	
07/06/90	6.77	2.79	3.98	<50	<0.3	<0.3	<0.3	<0.6	--	<1,000	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	6.77	2.04	4.73	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	6.77	2.01	4.76	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	6.77	1.04	5.73	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	6.77	2.47	4.30	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	6.77	3.11	3.66	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	6.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/23/92	6.77	3.94	2.83	<50	<0.5	7.2	0.6	2.5	--	--	--	--	--	--	--	--	--
03/22/93	6.77	2.39	4.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	6.77	1.60	5.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/10/93	6.77	1.61	5.16	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	6.77	2.06	4.71	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/16/94	6.77	2.62	4.15	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	6.77	1.66	5.11	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
11/29/94	6.77	1.94	4.83	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/21/95	6.77	0.94	5.83	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/27/95	6.77	0.57	6.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/27/95	6.77	1.62	5.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	6.77	2.22	4.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/96	6.77	2.55	4.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/96	6.77	3.41	3.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/96	6.77	2.65	4.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/96	6.77	3.83	2.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/22/97	6.77	3.88	2.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/29/97	9.88	6.92	2.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/12/97	9.88	7.11	2.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-8 (cont)																	
12/05/97	9.88	7.16	2.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/21/98	9.88	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED																	
03/09/11	9.88	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/11[6,8]	9.88	7.43	2.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/14/11	9.88	6.56	3.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/12	9.88	8.83	1.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/12	**9.88**	**6.48**	**3.40**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9																	
07/06/90	7.63	3.02	4.61	<50	<0.3	<0.3	<0.3	<0.6	--	<1,000	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	7.63	2.49	5.14	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	7.63	2.18	5.45	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	7.63	2.15	5.48	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	7.63	5.00	2.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	7.63	3.63	4.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	7.63	2.93	4.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	7.63	3.87	3.76	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/22/93	7.63	5.52	2.11	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	7.63	4.35	3.28	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/10/93	7.63	2.45	5.18	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	7.63	4.61	3.02	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/16/94	7.63	3.50	4.13	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	7.63	2.84	4.79	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
11/29/94	7.63	3.71	3.92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/21/95	7.63	0.14	7.49	NOT SAMPLED DUE TO INSUFFICIENT WATER						--	--	--	--	--	--	--	--
06/27/95	7.63	5.73	1.90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/27/95	7.63	3.68	3.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/29/95	7.63	5.08	2.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/96	7.63	5.43	2.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/21/96	7.63	4.98	2.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/96	7.63	4.27	3.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/96	7.63	5.02	2.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/22/97	7.63	5.30	2.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-9 (cont)																	
06/29/97	10.74	7.85	2.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/12/97	10.74	7.33	3.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/97	10.74	8.00	2.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/21/98	10.74	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED																	
03/09/11	10.74	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/11[6,8]	10.74	9.64	1.10	<50	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--	--	--	--	--
09/14/11	10.74	8.79	1.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/21/12	10.74	8.75	1.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/15/12	**10.74**	**7.65**	**3.09**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1																	
03/14/89	9.63	2.89	6.74	600	<0.2	<0.2	3.2	1.7	--	<3,000	1.0	<0.2	<20	<0.2	--	--	--
06/08/89	9.63	2.49	7.14	<50	<0.1	<0.5	<0.1	<0.2	--	--	<0.5	<0.1	<20	<0.1	--	--	--
09/14/89	9.63	2.42	7.21	<50	<0.2	<1.0	<0.2	<0.4	--	--	<1.0	<0.2	<1.0	0.7	--	--	--
12/08/89	9.63	2.34	7.29	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
03/19/90	9.63	2.63	7.00	190	0.8	<0.3	7.0	3.0	--	--	<0.5	<0.5	--	<0.5	--	--	--
07/06/90	9.63	2.50	7.13	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	9.63	2.10	7.53	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	9.63	2.57	7.06	150	5.0	11	3.5	10	--	--	<0.5	<0.5	--	<0.5	--	--	--
11/22/91	9.63	2.16	7.47	86	7.2	11	2.9	13	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
02/26/92	9.63	2.94	6.69	<50	<0.5	<0.5	<0.5	1.4	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	9.63	2.67	6.96	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	9.63	2.44	7.19	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	9.63	2.60	7.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/22/93	9.63	3.03	6.60	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	9.63	2.66	6.97	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/10/93	9.63	2.55	7.08	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	9.63	2.80	6.83	<50	<0.5	<0.5	<0.5	1.0	--	--	--	--	--	--	--	--	--
06/16/94	9.63	2.60	7.03	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	9.63	2.53	7.10	<50	1.3	1.5	<0.5	1.7	--	--	--	--	--	--	--	--	--
11/29/94	9.63	2.81	6.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-1 (cont)																	
03/21/95	9.63	3.73	5.90	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/27/95	9.63	2.69	6.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/27/95	9.63	2.13	7.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																	
MW-2																	
03/14/89	8.99	2.91	6.08	<100	6.7	7.1	0.5	4.6	--	<3,000	<1.0	0.7	<20	<0.2	--	--	--
06/08/89	8.99	3.77	5.22	--	--	--	--	--	--	--	--	--	--	<0.2	--	--	--
06/09/89	8.99	--	--	<100	<0.2	<1.0	<0.2	<0.4	--	--	<1.0	<0.2	<20	<0.2	--	--	--
09/14/89	8.99	3.04	5.95	<50	<0.2	<1.0	<0.2	<0.4	--	--	<1.0	<0.2	<1.0	<0.2	--	--	--
12/08/89	8.99	-0.26	9.25	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
03/19/90	8.99	3.07	5.92	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
07/06/90	9.01	2.22	6.79	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	9.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/23/91	9.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DESTROYED																	
MW-3																	
03/14/89	8.19	2.16	6.02	<100	2.1	0.8	<0.2	2.0	--	<3,000	<1.0	3.0	<20	<0.2	--	--	--
06/08/89	8.19	2.30	5.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/89	8.19	--	--	<100	<0.5	<1.0	<0.2	<0.4	--	--	<1.0	3.3	<20	<0.2	--	--	--
09/14/89	8.19	1.88	6.30	<50	<0.2	<1.0	<0.2	<0.4	--	--	<1.0	2.2	<1.0	<0.2	--	--	--
12/08/89	8.19	-1.34	9.52	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	1.3	--	<0.5	--	--	--
03/19/90	8.19	2.01	6.17	<50	<0.3	<0.3	<0.3	<0.6	--	--	0.5	1.3	--	<0.5	--	--	--
07/06/90	8.19	0.67	7.52	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	8.19	0.88	7.31	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	0.83	--	<0.5	--	--	--
08/23/91	8.19	2.53	5.65	220	16	22	5.5	16	--	--	<0.5	0.6	--	<0.5	--	--	--
11/22/91	8.19	1.41	6.78	<50	<0.5	<0.5	<0.5	0.6	--	--	0.6	1.0	<0.5	<0.5	--	--	--
02/26/92	8.19	3.54	4.65	<50	4.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
05/22/92	8.19	2.63	5.56	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--
09/29/92	8.19	1.96	6.23	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
12/23/92	8.19	2.37	5.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
03/22/93	8.19	3.27	4.92	<50	7.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
06/07/93	8.19	2.50	5.69	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
09/10/93	8.19	2.15	6.04	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
MW-3 (cont)																	
03/07/94	8.19	3.04	5.15	<50	1.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
06/16/94	8.19	2.30	5.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	--	--	--
09/08/94	8.19	2.13	6.06	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	<0.5	1.0	--	--
11/29/94	8.19	3.00	5.19	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/95	8.19	4.43	3.76	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/27/95	8.19	3.09	5.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/95	8.19	2.94	5.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED																	
TRIP BLANK																	
12/08/89	--	--	--	<100	<0.1	<0.2	<0.1	<0.2	--	--	<0.5	<0.1	--	<0.1	--	--	--
06/09/89	--	--	--	<50	<0.5	<0.5	<0.1	<0.2	--	--	<0.5	<0.1	<20	<0.1	--	--	--
09/14/89	--	--	--	<50	<0.1	<0.5	<0.1	<0.2	--	--	<0.5	<0.1	<0.5	<0.1	--	--	--
12/08/89	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	4.4	<0.5	--	1.9	--	--	--
03/19/90	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
07/06/90	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	<0.5	<0.5	--	<0.5	--	--	--
10/03/90	--	--	--	<50	<0.3	<0.3	<0.3	1.0	--	--	<0.5	<0.5	--	<0.5	--	--	--
08/23/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
11/22/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<0.5	--	--	--	--
02/26/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
05/22/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/29/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/23/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/22/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/07/93	--	--	--	<50	<0.5	<0.5	<0.5	1.0	--	--	--	--	--	--	--	--	--
09/10/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/07/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/16/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/08/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
11/29/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
03/21/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
06/27/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/27/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/29/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
TRIP BLANK (cont)																	
03/28/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/21/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
09/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--
12/19/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
03/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
06/29/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
09/12/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
12/05/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
02/21/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
08/17/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
03/11/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--	--	--
09/28/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--
03/14/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--	--	--
08/29/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
03/21/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
09/10/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
QA																	
03/06/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--
09/14/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--
03/28/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--	--	--
09/02/03[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/26/04[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/13/04[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/02/05[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/22/05[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/30/06[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
08/28/06[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/05/07[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/24/07[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/06/08[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
09/16/08[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TOG (µg/L)	Chloro-form (µg/L)	1,2-DCA (µg/L)	Freon (µg/L)	1,1,1-TCA (µg/L)	PCE (µg/L)	1,2-DCPA (µg/L)	1,2-DCE (µg/L)
QA (cont)																	
03/02/09[6]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
DISSCONTINUED																	
09/15/12[6]	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-0019

210 Grand Avenue

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 29, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
TOG = Total Oil and Grease
1,2-DCA = 1,2-Dichloroethane
1,1,1-TCA = 1,1,1-Trichloroethane
PCE = Trichloroethene
1,2-DCPA = 1,2-Dichloropropane
1,2-DCE = 1,2-Dichloroethene
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
(D) = Duplicate
(T) = Triplicate
QA = Quality Assurance/Trip Blank

1 ORC installed.
2 Results reported were generated out of hold time.
3 Laboratory report indicates gasoline C6-C12.
4 ORC present in well.
5 Absorbent sock in well.
6 BTEX and MTBE by EPA Method 8260.
7 Removed ORC from well.
8 Well redeveloped.

Table 2
Dissolved Oxygen Concentrations
Former Chevron Service Station #9-0019
210 Grand Avenue
Oakland, California

WELL ID	DATE	Pre-purge *(mg/L)*	Post-purge *(mg/L)*
MW-4	09/10/01	2.60	--
MW-5	08/29/00	2.04	--
	03/21/01	4.60	--
	09/10/01	1.90	--
	03/06/02	2.10	--
	09/14/02	2.60	--
	03/28/03	0.30	--
	09/02/03	0.10	--
	03/26/04	1.20	--

EXPLANATIONS:

(mg/L) = Milligrams per liter
-- = Not Measured

Table 3

Groundwater Analytical Results-Oxygenate Compounds

Former Chevron Service Station # 9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-4						
09/28/99	<1,000	<200	<2.0	<2.0	<2.0	<2.0
09/02/03	--	--	<0.5	--	--	--
03/26/04	--	--	<0.5	--	--	--
09/13/04	--	--	<0.5	--	--	--
03/02/05	--	--	<0.5	--	--	--
09/22/05	--	--	<0.5	--	--	--
03/30/06	--	--	<0.5	--	--	--
08/28/06	--	--	<0.5	--	--	--
03/05/07	--	--	<0.5	--	--	--
09/24/07	--	--	<0.5	--	--	--
03/06/08	--	--	<0.5	--	--	--
09/16/08	--	--	<0.5	--	--	--
03/02/09	--	--	<0.5	--	--	--
09/16/09	--	--	<0.5	--	--	--
03/04/10	--	--	<0.5	--	--	--
09/21/10	--	--	<0.5	--	--	--
03/09/11	--	--	<0.5	--	--	--
09/14/11	--	--	<0.5	--	--	--
03/21/12	--	--	<0.5	--	--	--
09/15/12	**SAMPLED ANNUALLY**		–	–	–	–
MW-5						
09/28/99	<20,000	<4,000	<40	<40	<40	<40
09/02/03	--	--	<0.5	--	--	--
03/26/04	--	--	<1	--	--	--
09/13/04	--	--	<0.5	--	--	--
03/02/05	--	--	<3	--	--	--
09/22/05	--	--	<0.5	--	--	--
03/30/06	--	--	<5	--	--	--
08/28/06	--	--	<5	--	--	--
03/05/07	--	--	<1	--	--	--
09/24/07	--	--	<2	--	--	--
03/06/08	--	--	<3	--	--	--
09/16/08	--	--	<0.5	--	--	--

Table 3

Groundwater Analytical Results-Oxygenate Compounds

Former Chevron Service Station # 9-0019

210 Grand Avenue

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-5 (cont)						
03/02/09	--	--	<3	--	--	--
09/16/09	--	--	<0.5	--	--	--
03/04/10	--	--	<0.5	--	--	--
09/21/10	--	--	<0.5	--	--	--
03/09/11	--	--	<1	--	--	--
09/14/11	--	--	<5	--	--	--
03/21/12	--	--	<10	--	--	--
09/15/12	--	--	**<3**	--	--	--
MW-6						
03/09/11	--	--	<0.5	--	--	--
MW-7						
03/09/11	--	--	<0.5	--	--	--
MW-8						
03/25/11	--	--	<0.5	--	--	--
MW-9						
03/25/11	--	--	5	--	--	--
TB						
09/28/99	<1,000	<200	<2.0	<2.0	<2.0	<2.0

Table 3

Groundwater Analytical Results-Oxygenate Compounds

Former Chevron Service Station # 9-0019

210 Grand Avenue

Oakland, California

EXPLANATIONS:

Groundwater laboratory analytical results prior to September 2, 2003, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
(µg/L) = Micrograms per liter
-- = Not Analyzed

Attachment C

Boring Permit

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 04/02/2014 By jamesy

Permit Numbers: W2014-0318
Permits Valid from 04/17/2014 to 04/17/2014

Application Id:	1396389603698	**City of Project Site:**	Oakland
Site Location:	210 Grand Avenue		
Project Start Date:	04/17/2014	**Completion Date:**	04/17/2014
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org		
Applicant:	Conestoga-Rovers & Associates - Bryan Sandor 10969 Trade Center Drive suite 107, Rancho Cordova, CA 95670	**Phone:**	916-889-8916
Property Owner:	City of Oakland 210 Grand Avenue, Oakland, CA 94610	**Phone:**	--
Client:	Chevron Environmental Management Company 6101 Bollinger Canyon Road, San Ramon, CA 94583	**Phone:**	--
Contact:	Bryan Sandor	**Phone:** **Cell:**	916-889-8916 916-889-6801

	Total Due:	$265.00
Receipt Number: WR2014-0128	**Total Amount Paid:**	$265.00
Payer Name : Bryan Sandor	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 1 Boreholes
Driller: Confluence Environmental - Lic #: 913194 - Method: Hand **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2014-0318	04/02/2014	07/16/2014	1	3.50 in.	10.00 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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@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. 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.

6. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

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.

Attachment D

Boring Log

Conestoga-Rovers & Associates
10969 Trade Center Drive suite 107
Rancho Cordova, California 95670
Telephone: (916) 889-8900
Fax: (916) 889-8999

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Co.	**BORING/WELL NAME**	B-6
JOB/SITE NAME	Former Chevron Service Station 90019	**DRILLING STARTED**	17-Apr-14
LOCATION	210 Grand Avenue Oakland, CA	**DRILLING COMPLETED**	17-Apr-14
PROJECT NUMBER	632327D	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Confluence Environmental	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand-Auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3.25"	**SCREENED INTERVAL**	NA
LOGGED BY	Bryan Sandor	**DEPTH TO WATER (First Encountered)**	6.5 fbg (17-Apr-14) ▽
REVIEWED BY	N Allen, P.G. 9075	**DEPTH TO WATER (Static)**	6.1 fbg (17-Apr-14) ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			**Fill:** Silty sand; olive gray; loose; dry	1.0	
0.0				1	ML		**Silt with sand:** Trace fine gravel; olive gray; loose; dry	2.0	
0.4				2	CH		**Clay:** Trace fine sand and fine gravel; olive gray; stiff; dry; high estimated plasticity	3.0	
0.3				3			**Gravelly sand with silt:** Light brown; well graded; loose; dry		◄ Portland Type I/II
0.5		B-6-4 .5		4			@ 4.5 fbg: moist; color change to greenish gray		
132.1		B-6-5 .5		5	SW SM		@ 5 fbg: decrease fines and increase medium to coarse sand		
89.3		B-6-6 .5		6			@ 6 fbg: no silt; wet ▼ ▽		
139.1				7				7.0	Bottom of Boring @ 7 fbg

WELL LOG (PID) I:\PROJEC~2\6-CHAR\63---\6323--\632327\634177~1\632327~1.GPJ DEFAULT.GDT 5/7/14

Attachment E

Laboratory Analytical Results

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

April 23, 2014

Project: 90019

Submittal Date: 04/18/2014
Group Number: 1468193
PO Number: 0015144991
Release Number: FISCHER
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
B-6-W-140417 Grab Groundwater	7435148
QA-T-140417 NA Water	7435149
B-6-S-4.5-140417 Grab Soil	7435150
B-6-S-5.5-140417 Grab Soil	7435151
B-6-S-6.5-140417 Grab Soil	7435152

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	Conestoga-Rovers & Associates	Attn: Nathan Allen

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

Sample Description: B-6-W-140417 Grab Groundwater
Facility# 90019 CRAW
210 Grand Ave-Oakland T0600100313

LL Sample # WW 7435148
LL Group # 1468193
Account # 10880

Project Name: 90019

Collected: 04/17/2014 12:00 by BS

Submitted: 04/18/2014 09:25
Reported: 04/23/2014 12:59

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GAOB6

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	17	0.5	1	1
10943	Ethylbenzene	100-41-4	520	5	10	10
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	37	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.	12,000	500	1,000	1

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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	F141122AA	04/22/2014 09:38	Anita M Dale	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F141122AA	04/22/2014 10:00	Anita M Dale	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141122AA	04/22/2014 09:38	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	F141122AA	04/22/2014 10:00	Anita M Dale	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14108A20A	04/21/2014 21:10	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14108A20A	04/21/2014 21:10	Marie D Beamenderfer	1

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

Sample Description: QA-T-140417 NA Water
Facility# 90019 CRAW
210 Grand Ave-Oakland T0600100313

LL Sample # WW 7435149
LL Group # 1468193
Account # 10880

Project Name: 90019

Collected: 04/17/2014

Submitted: 04/18/2014 09:25
Reported: 04/23/2014 12:59

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GAOQA

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

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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	F141122AA	04/22/2014 07:06	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141122AA	04/22/2014 07:06	Anita M Dale	1

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

Sample Description: B-6-S-4.5-140417 Grab Soil
Facility# 90019 CRAW
210 Grand Ave-Oakland T0600100313

LL Sample # SW 7435150
LL Group # 1468193
Account # 10880

Project Name: 90019

Collected: 04/17/2014 12:00 by BS

Submitted: 04/18/2014 09:25
Reported: 04/23/2014 12:59

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GAOB4

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.99
10237	Ethylbenzene	100-41-4	0.012	0.001	0.005	0.99
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.99
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.99
10237	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.	52	8.1	8.1	203.25

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B141121AA	04/23/2014 03:05	Christopher G Torres	0.99
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:22	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14100A16B	04/21/2014 18:52	Laura M Krieger	203.25
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:23	Mitchell R Washel	n.a.

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

Sample Description: B-6-S-5.5-140417 Grab Soil
Facility# 90019 CRAW
210 Grand Ave-Oakland T0600100313

LL Sample # SW 7435151
LL Group # 1468193
Account # 10880

Project Name: 90019

Collected: 04/17/2014 12:00 by BS

Submitted: 04/18/2014 09:25
Reported: 04/23/2014 12:59

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GAOB5

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**	
10237	Benzene	71-43-2	N.D.	0.0005	0.005	0.97
10237	Ethylbenzene	100-41-4	0.035	0.001	0.005	0.97
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	0.97
10237	Toluene	108-88-3	N.D.	0.001	0.005	0.97
10237	Xylene (Total)	1330-20-7	0.004	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.	41	7.5	7.5	186.92

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	B141121AA	04/23/2014 03:28	Christopher G Torres	0.97
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:25	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	1	14100A16B	04/21/2014 19:30	Laura M Krieger	186.92
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:26	Mitchell R Washel	n.a.

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

Sample Description: B-6-S-6.5-140417 Grab Soil
Facility# 90019 CRAW
210 Grand Ave-Oakland T0600100313

LL Sample # SW 7435152
LL Group # 1468193
Account # 10880

Project Name: 90019

Collected: 04/17/2014 12:00 by BS

Submitted: 04/18/2014 09:25
Reported: 04/23/2014 12:59

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

B6GAO

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**	
10237	Benzene	71-43-2	N.D.	0.024	0.24	48.92
10237	Ethylbenzene	100-41-4	0.52	0.049	0.24	48.92
10237	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	0.24	48.92
10237	Toluene	108-88-3	N.D.	0.049	0.24	48.92
10237	Xylene (Total)	1330-20-7	0.058	0.049	0.24	48.92
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.	240	19	19	462.96

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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
10237	BTEX/MTBE 8260 Soil	SW-846 8260B	1	Q141111AA	04/22/2014 03:11	Sarah A Guill	48.92
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
00374	GC/MS - Bulk Soil Prep	SW-846 5035A Modified	2	201410834268	04/18/2014 16:30	Mitchell R Washel	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:28	Mitchell R Washel	n.a.
01725	TPH-GRO N. CA soil C6-C12	SW-846 8015B modified	2	14100A16B	04/21/2014 20:08	Laura M Krieger	462.96
01150	GC - Bulk Soil Prep	SW-846 5035A Modified	1	201410834268	04/18/2014 16:29	Mitchell R Washel	n.a.

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

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1468193
Reported: 04/23/14 at 12:59 PM

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: B141121AA	Sample number(s): 7435150-7435151								
Benzene	N.D.	0.0005	0.005	mg/kg	94	94	80-120	1	30
Ethylbenzene	N.D.	0.001	0.005	mg/kg	92	93	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	99	98	69-126	1	30
Toluene	N.D.	0.001	0.005	mg/kg	89	92	80-120	3	30
Xylene (Total)	N.D.	0.001	0.005	mg/kg	95	96	80-120	2	30
Batch number: F141122AA	Sample number(s): 7435148-7435149								
Benzene	N.D.	0.5	1	ug/l	98		78-120		
Ethylbenzene	N.D.	0.5	1	ug/l	98		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	97		75-120		
Toluene	N.D.	0.5	1	ug/l	102		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	101		80-120		
Batch number: Q141111AA	Sample number(s): 7435152								
Benzene	N.D.	0.025	0.25	mg/kg	103	118	80-120	13	30
Ethylbenzene	N.D.	0.050	0.25	mg/kg	96	108	80-120	12	30
Methyl Tertiary Butyl Ether	N.D.	0.025	0.25	mg/kg	104	117	69-126	12	30
Toluene	N.D.	0.050	0.25	mg/kg	96	111	80-120	14	30
Xylene (Total)	N.D.	0.050	0.25	mg/kg	95	109	80-120	13	30
Batch number: 14100A16B	Sample number(s): 7435150-7435152								
TPH-GRO N. CA soil C6-C12	N.D.	1.0	1.0	mg/kg	97	90	66-126	7	30
Batch number: 14108A20A	Sample number(s): 7435148								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	117	119	80-139	2	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: F141122AA	Sample number(s): 7435148-7435149 UNSPK: P435643								
Benzene	104	104	72-134	0	30				
Ethylbenzene	105	106	71-134	1	30				
Methyl Tertiary Butyl Ether	97	97	72-126	0	30				
Toluene	108	109	80-125	0	30				
Xylene (Total)	108	107	79-125	0	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1468193
Reported: 04/23/14 at 12:59 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: 8260 Ext. Soil Master w/GRO
Batch number: B141121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7435150	105	107	98	98
7435151	103	103	104	104
Blank	104	104	96	94
LCS	103	102	97	100
LCSD	102	102	102	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: UST VOCs by 8260B - Water
Batch number: F141122AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7435148	92	96	104	103
7435149	94	100	104	96
Blank	92	99	102	94
LCS	93	101	101	99
MS	94	99	102	96
MSD	92	100	103	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Ext. Soil Master w/GRO
Batch number: Q141111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7435152	104	106	106	100
Blank	100	102	95	90
LCS	102	105	96	91
LCSD	113	115	107	102
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO N. CA soil C6-C12
Batch number: 14100A16B

	Trifluorotoluene-F
7435150	97
7435151	96
7435152	126
Blank	95
LCS	96
LCSD	88
Limits:	50-142

Analysis Name: TPH-GRO N. CA water C6-C12

*- 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.

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 1468193
Reported: 04/23/14 at 12:59 PM

Surrogate Quality Control

Batch number: 14108A20A

	Trifluorotoluene-F
7435148	85
Blank	77
LCS	81
LCSD	79
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.

Chevron California Region Analysis Request/Chain of Custody

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Acct. # 10880 Group # 1468193 Sample # 7435148-52

For Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers.

1 of 1

1 Client Information

Facility # 90019 WBS

Site Address 210 Grand Ave. Oakland, CA

Chevron PM Alexis Fischer Lead Consultant

Consultant/Office 10969 Trade Center Dr. ste Rancho 107 Cordova, CA

Consultant Project Mgr. Nate Allen

Consultant Phone # 916-889-8929

Sampler Bryan Sandor

2 Sample Identification

Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	4 Matrix: Soil	Water	Oil	Sediment	Ground	Potable	NPDES	Surface	Air	Total Number of Containers	5 Analyses Requested: BTEX + MTBE 8021	BTEX + MTBE 8260	TPH GRO 8015	TPH GRO 8260	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
B-6	4/17/14	12:00	X			X								6	X		X							
TRIP BLANK	4/17/14	—				X								1	X		X							
B-6-4.5	4/17/14	1200	X		X									1	X		X							
B-6-5.5	4/17/14	1200	X		X									1	X		X							
B-6-6.5	4/17/14	1200	X		X									1	X		X							

5 Analyses Requested

SCR #: _____

- ☐ Results in Dry Weight
- ☐ 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

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day

72 hour | 48 hour | 24 hour

8 Data Package Options (please circle if required)

Type I - Full | Type VI (Raw Data)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	4/17/14				

Relinquished by Commerical Carrier: UPS ✓ FedEx _____ Other _____

Received by [signature] Date 4/18/14 Time 0925

Temperature Upon Receipt 1.3 °C

Custody Seals Intact? Yes No

9

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

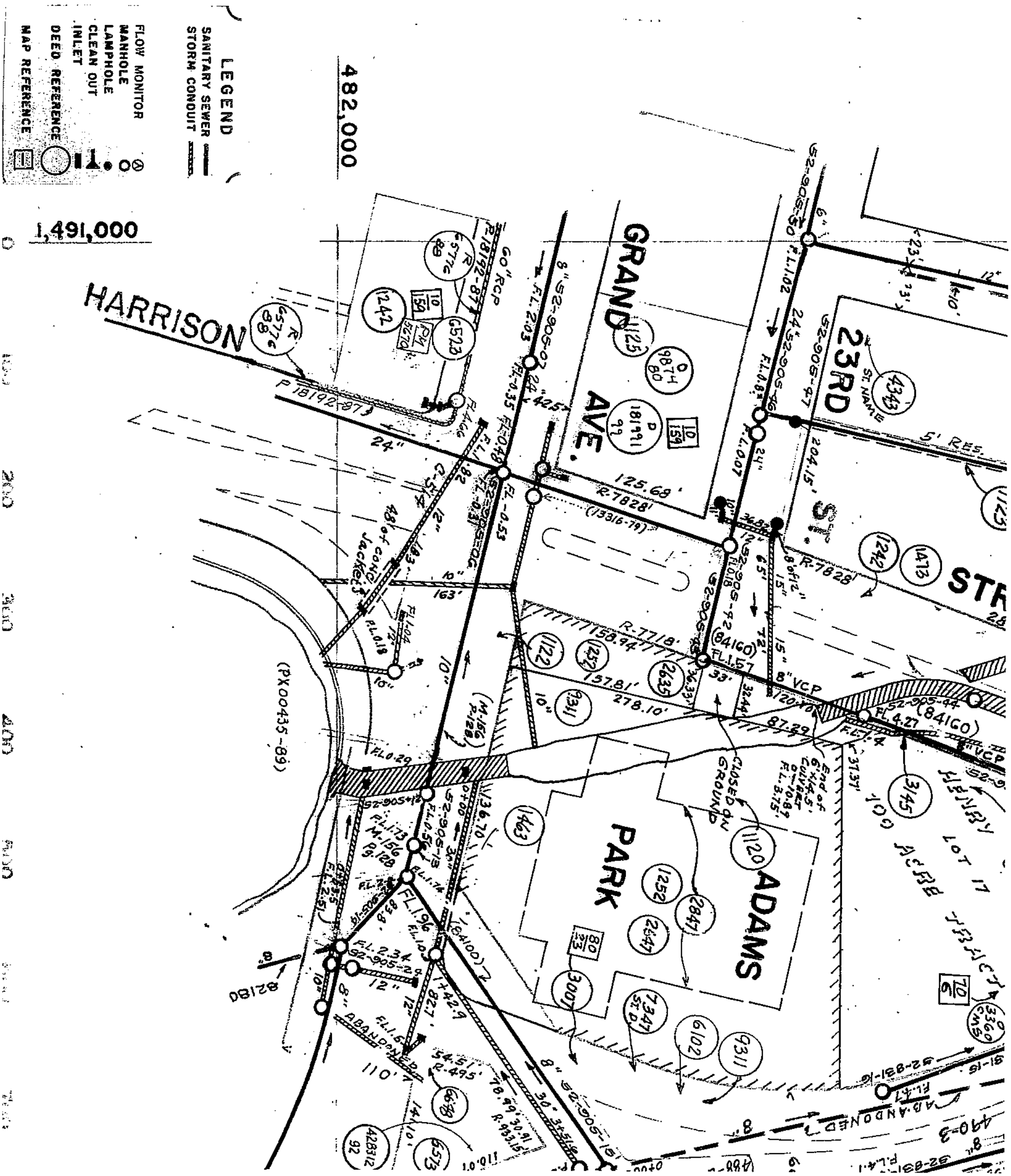
Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

Attachment F

Utility Maps

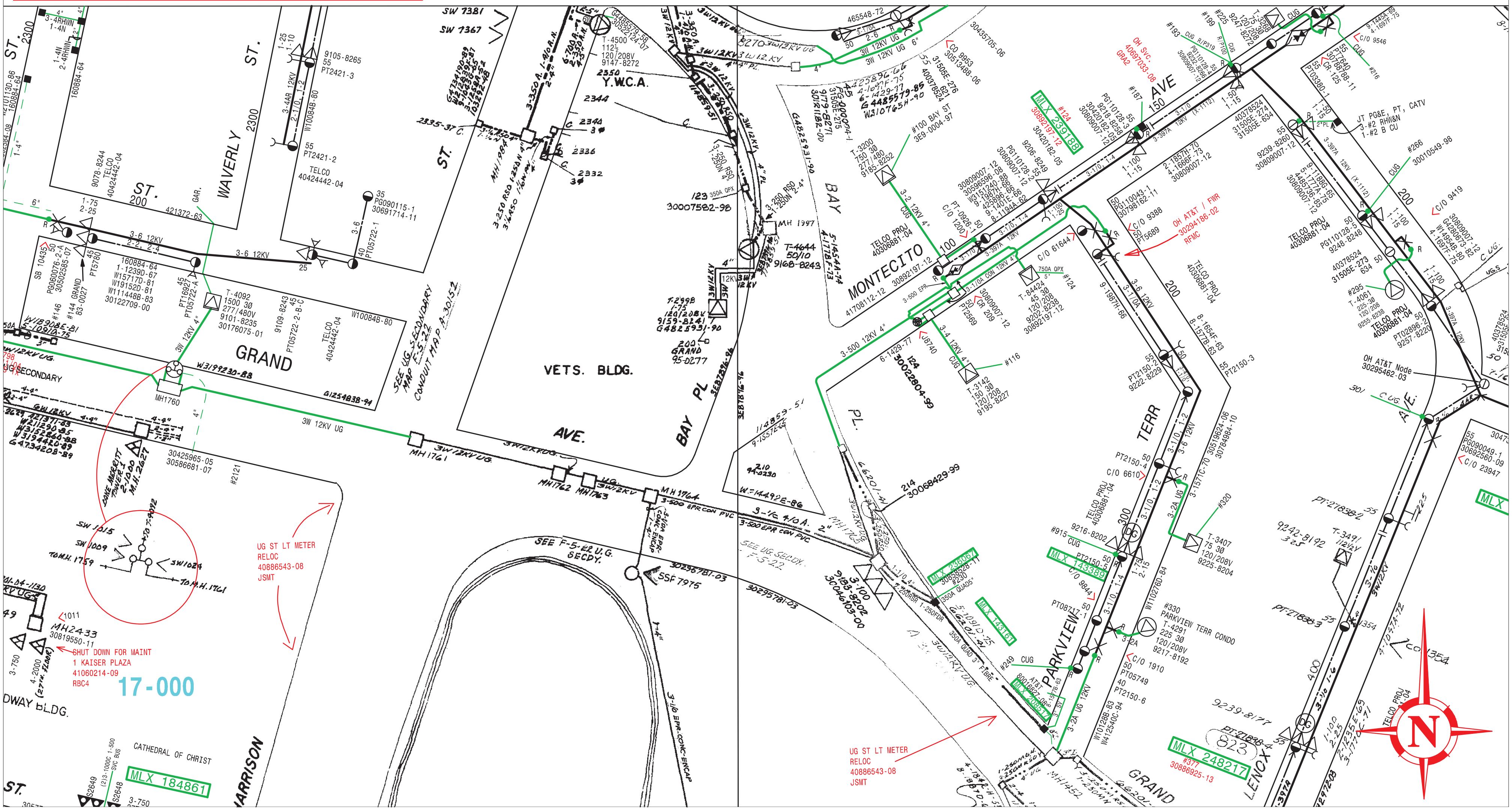
REVISIONS:
(95420) HARRISON - 27TH TO HAMILTON.
(84100) MONTECITO AVE. - HARRISON to LENOX 2-14-77.
(18126-78) 28TH ST. 3-8-79.
(72910-79) VERNON TERR. 9-17-79
18192-87 HARRISON & GRAND AVE 9-30-88

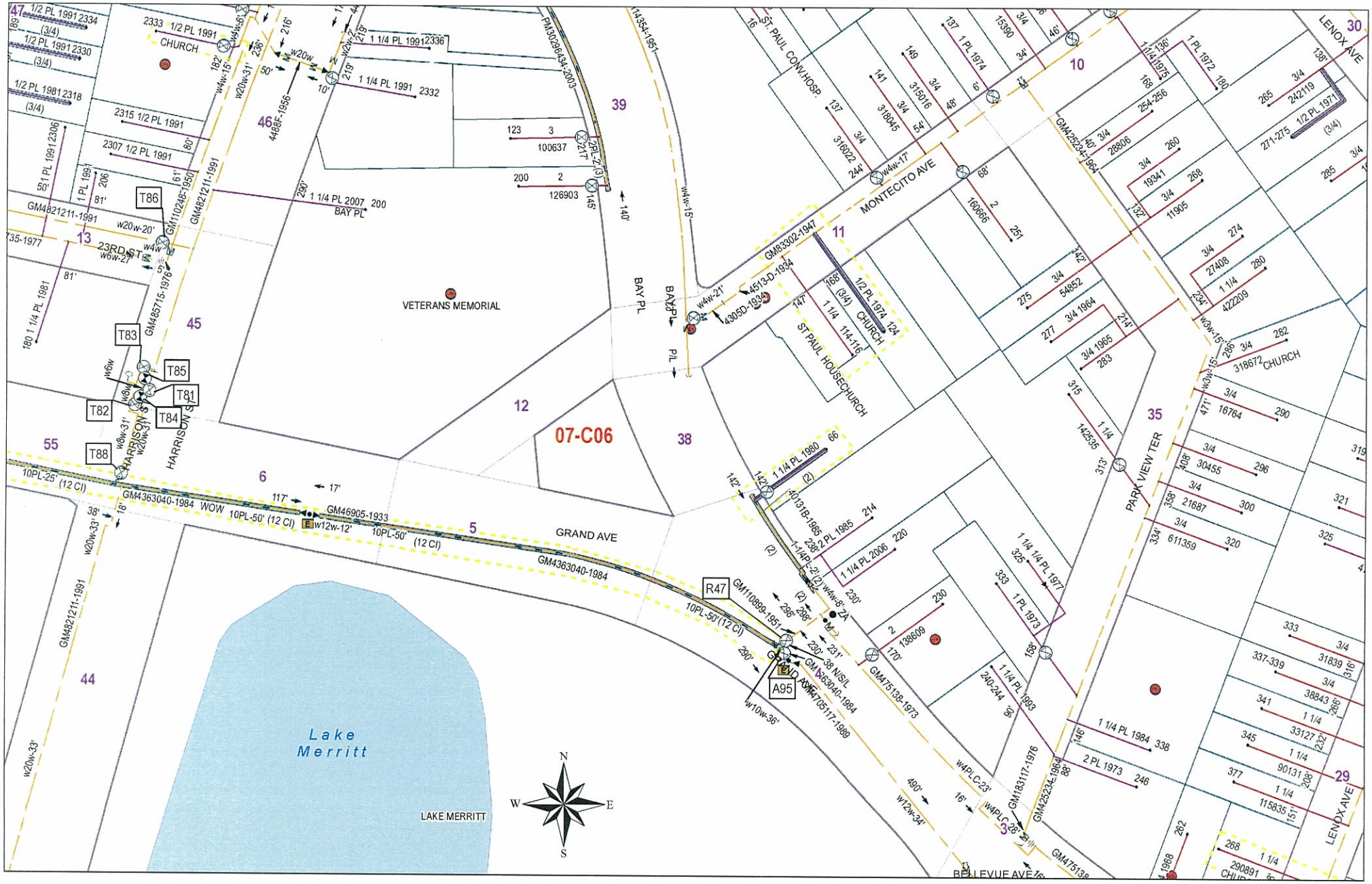
PARK VIEW TERR. 6/23/03
TM 4823 PERKINS ST & ADAMS ST 9/8/05



PLEASE CALL U.S.A. AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA
Dial 811

APPROXIMATE LOCATIONS
VERIFY BY HAND TOOLS
PACIFIC GAS AND ELECTRIC CO.




07-C06
VETERANS MEMORIAL
CHURCH
BAY PL
MONTECITO AVE
LENOX AVE
PARK VIEW TER
LENDX AVE
23RD ST
HARRISON ST
GRAND AVE
BELLEVUE AVE
ST PAUL CONV HOSP
ST PAUL HOUSECHURCH
Lake Merritt
LAKE MERRITT
T81
T82
T83
T84
T85
T86
T88
R47
A95
N
S
E
W

Pacific Gas & Electric Company

Gas Legend

2 - 9	2" Steel Gas Main 9' out from Property Line
24 - 3	24" Steel Gas Transmission Line 3' out from property line
PL	Plastic
CU	Copper
JT	Joint Trench
1/2 PL (3/4)	1/2" plastic service inserted into a 3/4" steel cassing
	Valve
	Regulator Vault
E	ETS (Electro Testing Station)
	Rectifier
	Anode
8-80	Eight Inch Steel Casing 80 feet in length

Electric Legend

	PG&E Pole
	Joint Owned Pole
	Primary Splice Box
	Secondary Splice Box
	Joint Anchor
	Secondary Conductor
	Single Phase Primary Conductor
	Three Phase Primary Conductor
	Overhead to Underground Riser
	Electric Underground Transmission

	Padmount Transformer
	Sub-Surface Transformer
	Overhead Transformer