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November 1, 2007

Ms. Donna Drogos
Hazardous Materials Specialist
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Feasibility Study and Corrective Action Plan**
Former Signal Oil Station #20-6145
800 Center Street
Oakland, California
ACEHS RO #0454

Dear Ms. Drogos:

Conestoga-Rovers & Associates (CRA) has prepared this *Feasibility Study and Corrective Action Plan (FSCAP)* for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). In a letter dated March 21, 2007, ACEHS approved a *Workplan for Additional Subsurface Investigation* to vertically delineate hydrocarbon impact at the site and requested a FSCAP that "should propose cleanup goals for soil and groundwater and should evaluate three alternatives besides monitored natural attenuation (MNA) and no action." (Attachment A). Summarized below are the site background, a discussion of the extent of hydrocarbons in soil and groundwater, a discussion of remediation alternatives considered for the site and CRA's recommendations for remedial action.

SITE DESCRIPTION

The site is a former Signal Oil gasoline service station located on the northeastern corner of the intersection of 8th Street and Center Street in Oakland, California (Figure 1). The site is currently undeveloped. Both commercial and residential properties are located in the vicinity of the site. The site was first developed as a service station in 1932. Four 1,000-gallon fuel underground storage tanks (USTs) and one used-oil UST were installed when the site was built. It is unknown as to how many subsequent generations of USTs were installed and operated before the final USTs were removed in 1973 when the station closed. Local topography is relatively flat and the site is about 15 feet above mean sea level. The nearest surface water body is Oakland Inner Harbor, located approximately 1 mile south of the site. Figures from previous investigations are presented in Attachment B.

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SITE BACKGROUND

A total of 55 soil borings have been advanced both onsite and offsite, 11 soil vapor probes were advanced onsite, 17 monitoring wells were installed both onsite and offsite (1 onsite monitoring well was destroyed and replaced). Following remedial excavation, 34 confirmation soil samples were collected. Figure 2 shows the locations of the monitoring wells, including the former monitoring well. Figure 3 shows the locations of the excavation and previous soil borings. A summary of environmental work performed at the site is presented below.

1989 Subsurface Investigation: In September 1989, Subsurface Consultants Inc. (SCI) advanced soil borings B-1 through B-5 to depths ranging from 4.5 and 27 feet below grade (fbg) in the vicinity of the former USTs, dispenser island and sumps along the eastern property boundary. Temporary wells were installed in borings B-1 and B-3. The highest concentrations of total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as gasoline (TPHg), and benzene in soil were 14,000 milligrams per kilogram (mg/kg), 31,000 mg/kg, and 500 mg/kg, respectively. A soil sample collected from 3.5 fbg in boring B-5, near the former hydraulic hoist, contained 16,000 mg/kg total oil and grease (TOG). No TPHd was detected in any grab groundwater samples. The highest concentration of benzene in groundwater was 340 micrograms per liter ($\mu\text{g/L}$) in boring B-3. The results were presented in SCI's October 13, 1989, *Preliminary Hydrocarbon Contamination Assessment*. Soil analytical data are presented in Attachment C.

1995 Subsurface Investigation: In October 1995, Groundwater Technology Inc. advanced borings SB-1 through SB-3 to 12 fbg and installed groundwater monitoring wells MW-1 through MW-4 to 15 fbg. The highest detected concentrations of TPHg and benzene in soil were 14,000 mg/kg and 120 mg/kg, respectively.

1996 Subsurface Investigation: In March 1996, Pacific Environmental Group (PEG) advanced soil borings P-1 through P-9. The highest detected TPHg and benzene impacts in soil were found in boring P-3 at concentrations of 13,000 mg/kg and 41 mg/kg, respectively. The highest detected TPHg and benzene impacts in grab groundwater samples were found in boring P-2, located in Center Street at concentrations of 800,000 $\mu\text{g/L}$ and 13,000 $\mu\text{g/L}$, respectively. In December 1996, PEG advanced offsite borings MW-5 through MW-8. All borings were converted into groundwater monitoring wells, except boring MW-8, because no evidence of petroleum hydrocarbons was observed in the boring. TPHg and benzene were not detected in any soil sample analyzed as part of this investigation. The results were presented in PEG's Soil and Groundwater Investigation Report dated April 18, 1996. Groundwater analytical results are presented in Attachment D.

1997 Soil Vapor Sampling: PEG advanced soil vapor points SV-1 through SV-5 to depths up to 12 fbg. The highest concentrations of TPHg and benzene in soil were 8,000 mg/kg and 52 mg/kg, respectively. The highest concentrations



of TPHg and benzene in soil vapors were 50,000 µg/L and 65 µg/L, respectively. Hydrocarbon vapor concentrations in soil were highest in the interval between 6 and 10 fbg. Soil vapor data are presented in Attachment E.

1999/2001 Site Demolition: Gettler-Ryan conducted the removal of the dispenser island, sumps, the hydraulic hoist, building foundations, garbage enclosure, yard lights and asphalt. A 1,000-gallon UST, a 550-gallon used-oil UST, and a buried 55-gallon drum (apparently a makeshift used-oil UST) were encountered. This work was initiated in September 1999 and was postponed until April 2001, while Chevron and the property owner negotiated UST ownership. The 1,000-gallon UST, 550-gallon used-oil UST, 55-gallon drum, and the hydraulic hoist were removed and compliance samples were collected and analyzed. The highest TPHg and benzene impacts in soil were found in soil from the former gasoline UST cavity at concentrations of 630 mg/kg and 10 mg/kg, respectively. The results were presented in Delta Environmental Consultants, Inc.'s (Delta) *Report of Soil Sampling during UST Removal* dated April 23, 2001.

2002 Monitoring Well Installation: Gettler-Ryan installed groundwater monitoring well MW-8 offsite. No soil samples contained TPHd, TPHg, benzene, or methyl tertiary butyl ether (MTBE). Delta's April 2002 *Well Installation Report* presented results.

2002 Subsurface Investigation: Gettler-Ryan advanced soil borings G-1 through G-23 to approximately 12 fbg. Soil samples were collected at 5 and 10 fbg in each boring. The results were used to profile soil from the anticipated over-excavation event for landfill acceptance. Boring G-9, at 10 fbg, contained the highest detected concentrations of TPHg and benzene in soil at 19,000 mg/kg and 83 mg/kg, respectively. The highest detected concentration of MTBE in soil was 170 mg/kg collected from boring G-14 at 10 fbg. The results were presented in Delta's January 23, 2003, *Well Destruction, Over-Excavation and Soil Sampling Report*.

2002 Over-excavation: Gettler-Ryan over-excavated soil in the areas of the former USTs, dispenser island, hydraulic lift, and sumps to a total depth of approximately 12 fbg, with a maximum depth of 14 fbg in one location, during November 2002. Approximately 1,584 tons of hydrocarbon-impacted soil were removed from the site and transported to Allied Waste Landfill in Manteca, California. Thirty-four confirmation soil samples were collected during the over-excavation. Well MW-1 was destroyed by over-excavation during this event. Prior to backfilling, approximately 900 pounds of oxygen releasing compound was placed in the bottom of the over-excavations, and Class II aggregate base was used for backfill. The results were presented in Delta's January 23, 2003, *Well Destruction, Over-Excavation and Soil Sampling Report*.

2003 Soil Borings and Well installation: Gettler-Ryan advanced soil borings GP-24 through GP-30 to approximately 16 fbg, with soil samples collected at 5, 10, and 15 fbg. Monitoring well MW-1A was installed near former monitoring



**CONESTOGA-ROVERS
& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

well MW-1. The highest detected concentration of TPHd was 1,600 mg/kg collected from both boring GP-27 at 15 fbg and GP-30 at 10 fbg. Boring GP-30, at 10 fbg, contained the highest detected concentrations of TPHg, benzene, and MTBE in soil at 16,000 mg/kg, 92 mg/kg and 150 mg/kg, respectively. The results were presented in Delta's May 15, 2003, *Soil Boring and Well Installation Report*.

2004 Geoprobe® and CPT Investigation: In October and November 2004, Cambria Environmental Technology, Inc. (Cambria) advanced five CPT (cone-penetrometer testing) borings and nine Geoprobe® borings were advanced to further define both lateral and vertical extents of hydrocarbon impacts beneath the site. All borings were conducted onsite except CPT-5, which was located offsite in Center Street. Both soil and grab groundwater samples were collected and analyzed. Vertical definition of hydrocarbons in soil was achieved between 15 and 20 fbg, with minor exceptions of single digit results of TPHg between 25 and 50 fbg. Analytic results of grab groundwater samples showed an unusual vertical profile of hydrocarbons in groundwater. It is surmised that these concentration may result from cross contamination during the boring process. The results were presented in Cambria's January 14, 2005, *Subsurface Investigation Report*.

2007 Monitoring Well Installation: In April 2007, CRA installed nine monitoring wells, MW-9 through MW-17. The wells were screened at multiple depths to delineate hydrocarbon impact vertically based on previous CPT data. The highest TPHg concentration detected in soil was 7,300 mg/kg at 9.5 fbg in MW-17. TPHg was detected at a maximum depth of 49.5 fbg in MW-14 at 1.5 mg/kg. The highest TPHd and benzene concentrations were also in MW-17 at 710 mg/kg and 7.2 mg/kg, respectively. TPHd was not detected below 14.5 fbg in any of the samples. Benzene was detected at a maximum depth of 59.5 fbg at 0.0006 mg/kg in MW-17. TPHg, TPHd and benzene were detected in groundwater in all wells. The highest TPHg and benzene concentrations detected in groundwater were 16,000 µg/L and 550 µg/L, respectively, from well MW-14, screened from 55-60 fbg, in the southwest corner of the site. MW-16, screened from 55-60 fbg, reported the highest concentration of TPHd at 2,200 µg/L. The results were presented in CRA's May 14, 2007, *Well Installation Report*.

Groundwater Monitoring: Regular quarterly groundwater monitoring has been conducted at the site since February 20, 1997. Cumulative groundwater monitoring results through August 2007 are presented as Attachment F.

SITE CONDITIONS

Sediment Lithology: The site is underlain by Holocene and Pleistocene Merritt sands. Unconsolidated sediments beneath the site and site vicinity consist primarily of silty sands with intermittent silts, sands and clayey silts to approximately 75 fbg. The silty sands and sands are found primarily from the surface, or beneath the fill, to



approximately 55 fbg, and the silts are commonly found beneath the sands. Monitoring well, boring and CPT logs are included in Attachment G.

Groundwater Depth and Flow Direction: Seventeen groundwater monitoring wells have been installed at the site. Historically, groundwater flow direction beneath the site has been variable, but the majority of recent events indicate a dominant flow to the south-southwest at an approximate gradient between 0.003 to 0.01 ft/ft. Measured depth to groundwater at the site ranges between 5 and 11 fbg. Based on the topography and natural drainage patterns in the area, the regional groundwater flow direction appears to be towards Oakland Inner Harbor (Figure 1).

Current Hydrocarbon Distribution in Soil: The majority of the source area petroleum-impacted soil was removed during over-excavation of the former UST pit and dispenser island to 12 fbg in November 2002. Remaining hydrocarbon concentrations are greatest from 9 to 10 fbg in the southeast and central portions of the site as indicated in the cross-sections in Attachment H and hydrocarbon distributions by depth in Attachment I. Because groundwater depth ranges from 6 to 10 fbg, a significant portion of the hydrocarbon mass detected in soil resides below the water table. Subsequent borings advanced within the over-excavation area show that parts of the area may have been re-impacted by groundwater at approximately 10 fbg.

Current Hydrocarbon Distribution in Groundwater: The highest hydrocarbon concentrations in groundwater are detected in wells MW-1A (which replaced well MW-1) and well MW-3. The horizontal extent of hydrocarbons in groundwater is limited and defined by clean wells MW-5 through MW-8. The extent of hydrocarbons in groundwater is limited to less than 100 ft from the source area (Figures 4 and 5). Wells MW-9 through MW-17, screened from 35-40, 55-60 and 70-75 fbg, were installed to investigate hydrocarbon impact at depth. Hydrocarbons have been detected at all depths, but have consistently decreased since monitoring began in April, 2007. Groundwater data for the past three sampling events for the deeper screened wells are included in Attachment C.

PREFERENTIAL PATHWAY ANALYSIS

Gettler-Ryan's utility survey indicated that no utilities were deeper than 3 to 5 fbg. Therefore, these utilities do not intersect groundwater or act as preferential flow pathways. A figure illustrating utilities in the vicinity of the subject site is presented in Attachment I.



SENSITIVE RECEPTORS

Three wells were identified within ½ mile of the site, with the closest well being 1,600 ft south of the site. Area well survey results are presented in Attachment I. Because the hydrocarbon plume is limited to within 100 ft of the hydrocarbon source area, and because the plume is stable, none of the wells are at risk due to hydrocarbons originating from the site. No surface water features were identified near the site. It is stated in the California Regional Water Quality Control Board San Francisco Bay Region Groundwater Committee's June 1999 *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, California* that Oakland has no plans to develop local groundwater resources for use as drinking water due to existing or potential salt water intrusion, contamination, or poor/limited quantity. Therefore, groundwater is not considered a sensitive receptor.

SITE CONCEPTUAL MODEL SUMMARY AND DATA GAP ANALYSIS

Based on the available information, it appears that there was a non-oxygenated gasoline release prior to 1973 from the former UST and/or dispenser island area. The majority of hydrocarbons in soil are limited to a 5 to 10 ft thick zone in the capillary fringe. Hydrocarbons were detected in groundwater at depths down to 72 fbg and monitoring wells MW-9 through MW-17 were installed to verify these results. As of August 2007, hydrocarbons were detected in wells screened from 55-60 fbg and 70-75 fbg, though concentrations have been consistently decreasing. This variable vertical concentration trend is not consistent with the limited vertical hydrocarbon extent observed in soil.

Given the limited hydrocarbon distribution in soil and groundwater and the age and composition of the aqueous-phase hydrocarbon plume, it is unlikely that any sensitive receptors will be impacted. As indicated above, groundwater is not planned for drinking water use. Therefore, the primary potential receptor would be future site occupants.

The site is currently undeveloped, but the property owner, 800 Center St., LLC, is planning to redevelop the site, along with two adjacent parcels, with residential units. The current proposed construction is slab on grade foundation and manufactured housing units.

DATA GAPS

The extent of hydrocarbons in soil and groundwater are well defined. Due to the planned development of residential units, soil vapor should be assessed to determine if there is potential for vapor intrusion. Vapor probes were installed at 6 fbg and the results will be compared to the Environmental Screening Levels (ESLs) presented in Appendix 1, Table



**CONESTOGA-ROVERS
& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

E-2 (soil gas) of the Regional Water Control Board – San Francisco Bay Region's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final), dated February 2005.

CORRECTIVE ACTION PLAN

Cleanup Objectives

Corrective Action Plan (CAP) cleanup objectives are typically based on one or more of the following criteria:

- Department of Toxic Substances Control primary or secondary maximum contaminant level (MCL) for drinking water, if applicable;
- Environmental Screening Levels (ESLs) established by the Regional Water Quality Control Board (RWQCB);
- Risk-based cleanup levels established by risk assessment or risk-based corrective action (RBCA) guidelines,
- Current closure guidelines from the regulatory agencies, such as the California State Water Resources Control Board criteria for low-risk groundwater cases, or
- Application of Best Available Technology based on remediation system operation data that demonstrate low, asymptotic levels have been achieved for chemical concentrations in extracted vapor and/or groundwater.

SOIL CLEANUP LEVELS

For the purposes of this CAP, CRA assumes that the gasoline constituents detected in soil at the site may pose a risk to groundwater quality, human health, and/or the environment. A detailed analysis of these potential risks has not been fully evaluated for the site.

Although significant reductions in gasoline constituent concentrations in soil can be attained by various remedial alternatives, attainment of the approved soil cleanup levels may prove to be technically or economically infeasible. Thus, soil cleanup may be limited to that which is technically or economically feasible.

To establish soil cleanup levels, CRA proposes using the RWQCB ESLs as the soil clean-up levels for this site.

GROUNDWATER CLEANUP LEVELS

To establish groundwater cleanup levels, CRA proposes using the RWQCB ESLs as the cleanup levels for this site.



Summary

The objectives of this remediation project are to implement the most cost-effective remediation approach to protect human health and sensitive receptors.

The Chemicals of Concern (COCs) for the site, current maximum concentrations, and the proposed cleanup levels, based on RWQCB guidelines for fuel releases, are as follows:

Table A Soil and Groundwater ESLs

COC	Soil		Groundwater	
	Concentration (a)	ESLs (b)	Concentration (c)	ESLs (b)
	mg/kg	mg/kg	µg/L	µg/L
TPHg	7,300	100	46,000	500
Benzene	7.2	0.18	240	46
Toluene	330	9.3	1,900	130
Ethylbenzene	150	32	3,800	290
Xylenes	650	2.3	5,600	100

Notes:

(a) Gasoline constituent concentrations in soil based on highest April 2007 concentrations in soil samples collected at the site.
 (b) Applicable ESLs are Table B, Shallow Soil ESLs where groundwater is **NOT** a current or potential source of drinking water.
 (c) Gasoline constituent concentrations in groundwater based on highest detected during the Third Quarter 2007 sampling event.
Bold designates exceedances to the respective ESLs. TPHg = total petroleum hydrocarbons as gasoline,

Soil: Several soil investigations have been performed throughout the history of this site. On February 6, 2007, ACEHS requested depth discrete soil and groundwater samples to be taken. These samples were taken on April 11, 2007. Historical soils sample results are presented in Table 1.

Groundwater: The highest concentrations of TPHg and benzene detected in groundwater during Third Quarter 2007 exceed the respective ESLs. TBA has not been analyzed for since 2002. The Third Quarter 2007 Groundwater



**CONESTOGA-ROVERS
& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

Monitoring and Sampling Report prepared by Gettler-Ryan, Inc., sampling data shows historical groundwater concentrations for each monitoring well (Attachment F).

REMEDIAL ALTERNATIVES DISCUSSION AND APPROACH

The proposed remediation objectives in this CAP are based on a combination of the above criteria. The CAP objectives are to implement the most cost-effective remedial approach to protect human health, groundwater quality, and other sensitive receptors. Given the specific site conditions, the site-specific objectives are to:

- Remove gasoline constituents from the identified source areas;
- Mitigate further gasoline constituent impact to groundwater;
- Reduce potential risks to future site occupants;
- Continue the groundwater monitoring program to monitor water quality; and
- Establish a contingency plan to expedite or enhance remediation if necessary.

Remediation alternatives reviewed in this CAP address these five objectives. Remedial alternatives were selected to address TPHg and BTEX. Historical subsurface investigation activities and groundwater monitoring data indicate that elevated levels of gasoline constituents were present in soil and groundwater. Current groundwater monitoring data from monitoring well MW-3 shows that TPHg concentrations in groundwater have not reduced over time, though benzene concentrations are declining. The trend graphs for monitoring wells MW-1/MW-1A and MW-3 are on Figures 6 and 7, respectively. MW-3 contains the highest petroleum hydrocarbon concentrations and is considered to be the center of the plume. Newly installed MW-17, located approximately 40 feet upgradient of MW-3, contained significantly high concentrations of petroleum hydrocarbons in shallow soil samples and may be the source for the elevated TPHg concentrations in MW-3.

The remedial technologies selected for evaluation include monitored natural attenuation, groundwater extraction, soil vapor extraction with air sparging, dual-phase extraction, and limited soil excavation. In addition, vapor mitigation measures are recommended due to the presence of petroleum hydrocarbons in shallow soil and groundwater. Each of these alternatives are discussed below and evaluated on the basis of technical feasibility and cost effectiveness.

Vapor probes were installed on October 25, 2007 and plan to be sampled on November 5, 2007, with an expedited turn around time. Since this FS/CAP is due prior to the attainment of these results, this document will address alternatives based on an IF/THEN scenario. In other words, if vapor samples come back with results significantly higher than the RWQCB ESLs for concentrations in soil gas (Table E-2), recommendations for remediation will differ from possibilities associated with non-detect returns.



REMEDIAL ALTERNATIVES

Monitored Natural Attenuation (MNA)

MNA consists of allowing hydrocarbons to biodegrade naturally and implementing a long-term groundwater monitoring plan. Decreasing concentration trends are the primary indicators of natural attenuation of hydrocarbons in groundwater. Secondary indicators such as dissolved oxygen (DO) concentrations, oxidation-reduction potential, alkalinity, and nitrate, sulfate, and ferrous iron concentrations are also used to evaluate the existence of and the potential for natural attenuation.

Feasibility and Cost-Effectiveness: MNA is typically a low-cost alternative if cleanup levels can be met in a relatively short and/or acceptable timeframe. Given the current and historical petroleum hydrocarbon concentrations in groundwater at MW-3, the timeframe to achieve cleanup levels by MNA is expected to be very long.

Recommendation: CRA does not recommend MNA as a final remedial approach.

Groundwater Extraction

Groundwater extraction (GWE) has historically been the most common remedial technology applied for groundwater restoration at petroleum impacted sites. Groundwater is extracted by down-well pumps and routed to a treatment system, such as activated carbon or an air stripper. The treatment system removes gasoline constituents from the extracted groundwater. The treated groundwater is typically discharged to the sanitary or storm sewer after treatment. GWE can also be used as an interim or temporary remediation measure. This approach can be cost effective when the majority of the source material has been removed and the extent of treatable groundwater contamination is limited. In this application, groundwater is pumped into a batch holding tank and periodically pumped into trucks for transportation to a treatment facility. Typically, 2 to 4 pore volumes are extracted to remove the remaining contaminant mass in groundwater.

In addition to dissolved-phase mass removal, GWE can provide hydraulic containment of the groundwater plume. Sufficient dewatering of the local formation can prevent contaminants from migrating with the natural groundwater flow. Source removal can only be achieved indirectly using GWE, as contaminants gradually desorb from soil and enter the dissolved phase. The rate of desorption from soil is often the limiting factor for contaminant removal using GWE, especially as concentrations decline over time, and can compromise the cost-effectiveness of GWE before site cleanup goals are reached.



Feasibility and Cost-Effectiveness: GWE is technically feasible, but is not commonly the preferred technology for TPHg and benzene.

Pilot testing would have to be conducted to determine if GWE would be feasible at the site and to determine site-specific mass removal rates. Design, permitting, and installation of a GWE system at the site would cost up to \$175,000. This estimate is based upon extracting from existing wells, installing up to three new extraction wells, installing underground piping, constructing a treatment compound, and installing the required equipment including granular activated carbon (GAC) vessels for water treatment. GWE system operational cost for the first year is estimated at \$50,000. The average annual operational cost for GWE is estimated at \$45,000. At this site, GWE operation is assumed for a minimum of 1 years and a maximum of 3 years to meet clean-up levels.

Assuming 2 years of GWE operation and using the estimated average annual operational cost, the total GWE operational cost will be \$265,000. System demolition is estimated at \$25,000. Well destructions are estimated at \$30,000. The total estimated cost for this alternative is \$320,000.

The other impediment to GWE would be the size of the footprint on site. Given the current concentrations in MW-3, a minimum of two 2,000 lb carbon vessels would be needed. The footprint would likely be 10 ft. by 15 ft. with a minimum clearance of 9 ft.

Recommendation: Although technically feasible, GWE limitations have been identified above.

Soil Vapor Extraction (SVE) / Air Sparging (AS)

SVE is a common remediation technology applied for addressing gasoline fuel impacts to soil at UST sites. SVE is most effective in moderate to high permeability soils. SVE involves applying a vacuum to wells to extract hydrocarbon-bearing vapors from the vadose zone and capillary fringe area. Extracted hydrocarbons are typically treated by granular activated carbon (GAC), catalytic or thermal oxidizers, or internal combustion engines. Additionally, SVE can improve or protect groundwater quality by removing source area hydrocarbons, by encouraging hydrocarbon diffusion from groundwater, and by delivering oxygen to the subsurface. Increased oxygen concentrations can stimulate naturally-occurring hydrocarbon biodegradation in soil and groundwater

AS is a remedial technology whereby air is injected into the saturated zone to remove volatile contaminants. The technology is designed to operate at relatively high air flow rates (greater than 2 cubic feet per minute per injection point) in order to effect volatilization. AS is not specifically aimed at stimulating biodegradation, although enhanced biodegradation may be realized as a secondary effect.



SVE system components would include appropriately constructed SVE wells, vapor conveyance piping, a vapor/liquid separator, a vapor extraction device, and a vapor treatment device. The vapor extraction device (blower) would be sized based the radius of influence and applied vacuum of the vapor extraction wells observed during pilot testing. The treatment device is determined by the anticipated influent flow rate, hydrocarbon concentration, air quality requirements, and operating duration.

SVE would not directly treat groundwater and saturated soils. SVE with AS may be significantly more effective than SVE alone. Due to the continual dissolution of hydrocarbons from saturated soils into groundwater, operation of a SVE/AS system will typically last longer than other active remedial alternatives. However, utilization of AS alone may very well be a very good alternative.

Additional equipment required to implement AS would include a compressed air source (air compressor), compressed air conveyance piping, specifically designed AS wells, and a down-well delivery system (piping and/or stingers). The ability to distribute air in the contaminant zone may be questionable due to the soil heterogeneities at this site. The air compressor would be sized based on the number of injection points, pressure losses through the delivery system, and minimum pressure and flow delivery at the injection depth.

Feasibility and Cost-Effectiveness: SVE would likely be effective at reducing source area hydrocarbon mass in the vadose zone; however, mass remaining in soil is limited. Shallow saturated soils are primarily sands, silty sands, and silty layers. These would most likely be favorable for AS technologies. AS may be effective at reducing hydrocarbons in groundwater and could improve biodegradation as detailed above.

Pilot testing would have to be conducted to determine if SVE would be feasible at the site and to determine site-specific mass removal rates. A SVE pilot test is estimated to cost \$20,000. Design, permitting, and installation of an SVE/AS system at the subject site would cost an estimated \$175,000. This estimate is based upon installing four to six SVE wells and eight to ten AS wells, installing underground piping, constructing a treatment compound, and installing the required equipment, including a thermal/catalytic oxidizer. The average operational cost of a SVE system for the first year is estimated at \$60,000. SVE operation is assumed for a minimum of 6 months and a maximum of 3 years to meet clean-up levels or the cost-effective limit of this technology. Operational costs would decrease over time as influent concentrations and mass removal rates decrease and become asymptotic. As vapor concentrations decrease, the catalytic oxidizer could be modified to operate later by vapor-phase GAC adsorption vessels. Once concentrations appear to be approaching asymptotic conditions, pulsed operation may be needed to assess soil vapor and groundwater concentration rebound. The average annual operational cost is estimated at \$45,000 per year. The cost for AS (and associated AS wells) alone would run approximately \$ 60,000 for installation, and \$25,000 per year annually for operation and maintenance. AS would most likely run for three years.



Assuming 1.5 years of SVE operation and using the estimated average annual operational cost, the total SVE operational cost will be \$280,000. System demolition is estimated at \$25,000. SVE Well destructions are estimated at \$35,000. The total estimated cost for this alternative is \$340,000.

Assuming 1.5 years of AS operation and using the estimated average annual operational cost, the total AS operational cost will be \$135,000. System demolition is estimated at \$15,000. AS well destructions are estimated at \$10,000. The total estimated cost for this alternative is \$160,000.

The footprint of a SVE or SVE/AS system would be larger than that for GWE. The footprint for AS would be relatively small. This is especially true for low-flow applications.

Recommendation: Although technically feasible, SVE/AS limitations have been identified above. It would be marginally feasible considering the lithology of the site. Additionally, SVE/AS is not the most cost-effective remedial alternative and mass remaining in soil and groundwater is limited. However, AS alone may be very effective in reducing petroleum hydrocarbon concentrations in groundwater. Therefore, CRA does not recommend that SVE or SVE/AS be implemented at this site but does recommend AS alone as a form of mass reduction by bioremediation.

Dual-Phase Extraction (DPE)

DPE is the process of applying high vacuum through an airtight well seal to simultaneously extract soil vapors from the vadose zone and groundwater from the saturated zone. The vacuum created by DPE can increase the groundwater yield from wells completed in low permeability formations. In addition, residual TPHg and BTEX in soil within the influence of the vacuum may be removed in the vapor phase. Groundwater extraction may provide hydraulic control of the hydrocarbon plume and reduce contaminant migration. Furthermore, extended dewatering of the saturated zone combined with vapor extraction can remediate residual hydrocarbons in the source area.

A positive displacement blower or liquid-ring pump may be used to create the higher vacuum needed to extract groundwater and soil vapors simultaneously. Alternatively, a submersible groundwater pump can be used to extract groundwater, while a blower or liquid-ring pump is used solely to extract soil vapors. The extraction device is supplemented with a soil vapor treatment (oxidizer or carbon adsorption) system. Extracted groundwater can be treated and discharged to the local sanitary sewer or storm drain with the appropriate authorization or off-hauled to a disposal facility.

Feasibility and Cost-Effectiveness: DPE appears technically feasible at this site. Some of the limitations associated with SVE (i.e. vacuum short-circuiting), are applicable to DPE as well. Since DPE directly addresses hydrocarbon



impacts to saturated soils and groundwater, these limitations are more acceptable; however, mass remaining in groundwater is minimal. DPE also addresses the source area hydrocarbon mass in the vadose zone; however, mass remaining in soil is also minimal.

Pilot testing would have to be conducted to determine if DPE would be feasible at the site and to determine site-specific mass removal rates. A DPE pilot test is estimated to cost up to \$25,000. Design, permitting, and installation of a DPE system at the site would cost up to \$200,000. This estimate is based upon extracting from existing wells, installing up to three new extraction wells, installing underground piping, constructing a treatment compound, and installing the required equipment including an oxidizer for vapor treatment and GAC vessels for water treatment. DPE system operational cost for the first year is estimated at \$70,000. The average annual operational cost for DPE is estimated at \$60,000 thereafter. DPE operation is assumed for a minimum of 6 months and a maximum of 2 years to reach the cost-effective limit of DPE.

Assuming 1.5 years of DPE operation and using the estimated average annual operational cost, the total DPE operational cost will be \$385,000. System demolition is estimated at \$30,000. Well destructions are estimated at \$25,000. The total estimated cost for this alternative is \$440,000.

Recommendation: DPE would be an effective technology in meeting the outlined objectives and is the least expensive option of the active remedial alternatives considered. However, due to the minimal mass remaining in soil and groundwater, DPE would not be a cost justified-effective approach for the site. In addition, the footprint of the remediation system would eclipse that of GWE, SVE/AS/ or SVE.

Limited Soil Excavation

During soil excavation, contaminated soil is removed and transported to permitted offsite treatment and/or disposal facilities. In some cases, pre-treatment (via aeration, aboveground SVE, incineration, etc) of the contaminated media may be required in order to meet land disposal restrictions. Although excavation and offsite disposal alleviates the contaminant problem at the site, it does not treat the contaminant. The type of contaminant and its concentration level will impact offsite disposal requirements. The disposal of hazardous wastes is governed by the Resource Conservation and Recovery Act (RCRA) (40CFR Parts 261-265), and the U.S. Department of Transportation regulates the transport of hazardous materials (49 CFR Parts 172-179, 49 CFR Part 1387, and DOT-E 8876). Hazardous wastes must be treated to meet either RCRA or non-RCRA treatment standards prior to land disposal. Transport and disposal of non-hazardous or special wastes are regulated by applicable California regulations.



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& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

Standard earth moving equipment (backhoes, bobcats, loaders, etc.) is typically utilized for soil excavation. Depending on available space, this range of equipment can excavate to a depth of approximately 20 feet. Larger earth moving equipment (excavators) can excavate slightly deeper. Entry into excavations deeper than 5 feet requires sidewall shoring per OSHA regulations. Deep excavations may require shoring to prevent collapse of the sidewalls, and to prevent damage or undermining of neighboring structures, utilities, sidewalks, etc. Additionally, dewatering of the excavated area may be required depending on the groundwater elevation and recharge rates. The extent of excavation is typically estimated in advance using available soil boring data, but is ultimately directed by field personnel using field monitoring equipment such as a photo-ionization detector (PID) to screen soils by measurement of soil headspace vapor concentrations. Soil samples are collected for chemical analysis to confirm that the excavation limits are sufficient to meet soil cleanup levels.

It may be possible to perform limited excavation using bucket auger drilling to extract contaminated soils in specific areas at this site. Bucket auger machinery either uses a rotating cylindrical bucket with cutting blades mounted on a hinged bottom to repeatedly cut and lift sediments from the boring or large diameter augers (i.e. 36-inch to 48-inch). If the impacted area is situated below the water table, the issue of soil cave-in could be a problem. Water can be added to the drilled hole to maintain a static head or casing can be used to drill to the final depth.

Feasibility and Cost-Effectiveness: The area near the newly installed MW-17 may benefit from limited soil excavation. It is unknown as to whether this source is contributing to the groundwater impact downgradient in MW-3. Costs are dependent on volume of soil removed. If the choice to do a limited exaction based on the vapor results is made, the excavation need not penetrate more than two feet below the water table.

Recommendation: The choice to consider limited excavation of impacted source area soils at this site will depend upon the results of the November 5, 2007 vapor samples. Due to the proximity of operating fuel equipment and structures, the costs of excavation can increase significantly if the extent of impacted soil is discovered to be larger than anticipated.



Alternative	GWE	AS	SVE	DPE	MNA	Limited Excavation
Feasibility	Good	Good	Moderate	Good	Poor	Good
Effectiveness	Poor to Moderate	Very Good	Poor to Moderate	Poor to Moderate	Poor	Good
Total Cost	\$380,000	\$160,000	\$340,000	\$440,000	\$0	Unknown(\$\$\$)
Recommended Alternative		X				

VAPOR MITIGATION

Air sparging will intensify the petroleum hydrocarbon vapor concentrations already (or not) present. For this reason, it is important to plan for future sampling and mitigation of vapors. No matter what the choice of remediation may be, this step cannot be ignored. Vapor mitigation can be achieved by:

- Installation of a liquid boot or geomembrane laid down prior to pouring of the slab at the time of property development. Cost is approximately \$60,000.
- Installation of a series of parallel perforated pipes laid down between one foot and six inches below the liquid boot or geomembrane. These pipes would act as a passive vapor controls. Cost is expected to be approximately \$10,000.
- Installation of several sampling ports accessible outside the footprint of the new development and connected to the horizontal vapor controls. These could also be used as vacuum points in the event of very high vapors. If very high vapors were ever to be encountered, the AS system would be immediately shut off and a mobile vapor abatement trailer could be temporarily utilized. Sampling should be done on a monthly basis for the first year to ensure that vapor buildup is not occurring. Costs for sampling ports and analyses per year would be approximately \$20,000.

In the event that very high concentrations of vapors develop beneath the site and a mobile trailer must be brought in, that cost is expected to be approximately \$30,000 a month. However, it is CRA's belief that such an event has a low probability.



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Ms. Donna Drogos
November 1, 2007

RECOMMENDATIONS

Based on the remedial objectives for this site, limited gasoline constituent mass remaining in soil and groundwater, and the evaluation of alternatives, CRA recommends implementing AS at the site. If the results of the vapor survey are above the RWQCB ESLs for concentrations in soil gas (Table E-2), limited excavation of defined areas may also be recommended along with AS. Upon approval of this CAP, CRA will prepare a remedial action plan (RAP) detailing the tasks to conduct sampling to verify the effectiveness of AS. It is also recommended that vapor controls are constructed prior to development of the property.



**CONESTOGA-ROVERS
& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

CLOSING

If you have any questions or comments, please contact Charlotte Evans at (510) 420-3351 or Satya Sinha of Chevron at (925) 842-9876.

Sincerely,
Conestoga-Rovers & Associates

Charlotte Evans

Dan Lescure, PE



cc: Satya Sinha, Chevron Environmental Management Company, 6001 Bollinger Canyon Road,
San Ramon, CA 94583
Mr. Rene Boisvert. 800 Center LLC, 484 Lake Park Avenue #246, Oakland, CA 94610

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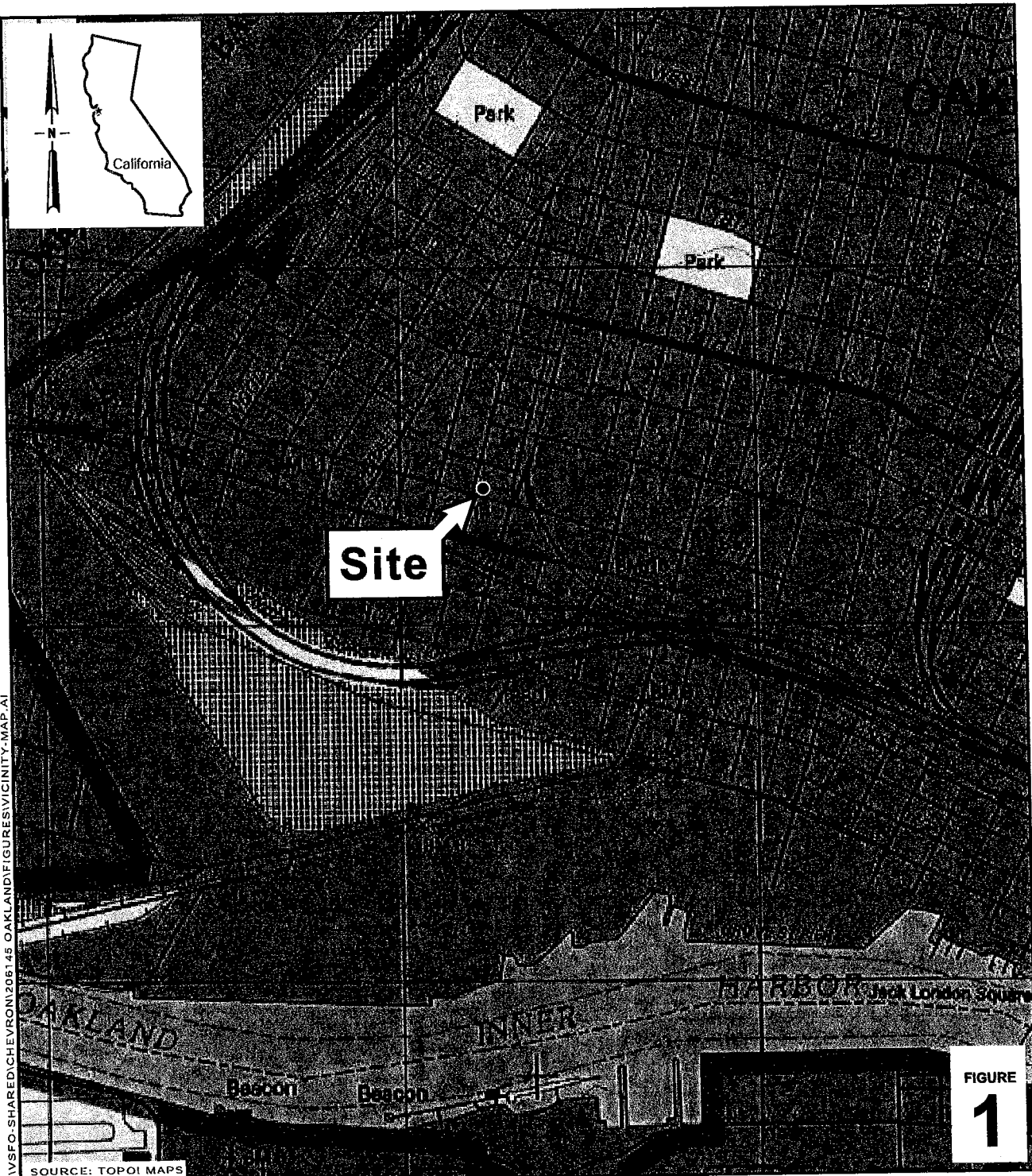
**CONESTOGA-ROVERS
& ASSOCIATES**

Ms. Donna Drogos
November 1, 2007

Figures: 1 – Vicinity Map
 2 – Site Plan
 3 – Site Plan with Boring Locations
 4 – TPHg Shallow Groundwater Isoconcentration Map
 5 – Benzene Shallow Groundwater Isoconcentration Map
 6 – Vapor Probe Locations
 7 – MW-1/MW-1A TPHg and Benzene Concentrations vs. Time
 8 – MW-3 TPHg and Benzene Concentrations vs. Time

Tables: 1 – Historical Soil Analytic Results

Attachment: A – ACEHS Correspondence dated March 21, 2007
 B – Figures from Previous Investigations
 C – Soil Analytical Data
 D – Groundwater Analytical Data
 E – Soil Vapor Data
 F – Third Quarter 2007 Groundwater Monitoring and Sampling Report
 G – Boring Logs
 H – Cross Sections
 I – Hydrocarbon Distribution in Soil
 J – Utility Survey and Area Well Survey Data



I:\SFO-SHARED\CHEVRON\206145 OAKLAND\FIGURES\VICINITY-MAP-A1

SOURCE: TOPOI MAPS

FIGURE
1

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

Chevron Station No. 206145
800 Center Street
Oakland, California



**CONESTOGA-ROVERS
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Vicinity Map

ICHEVRON206145 OAKLAND FIGURES 206145 SITE PLAN DWG

Based on map from Morrow Surveying

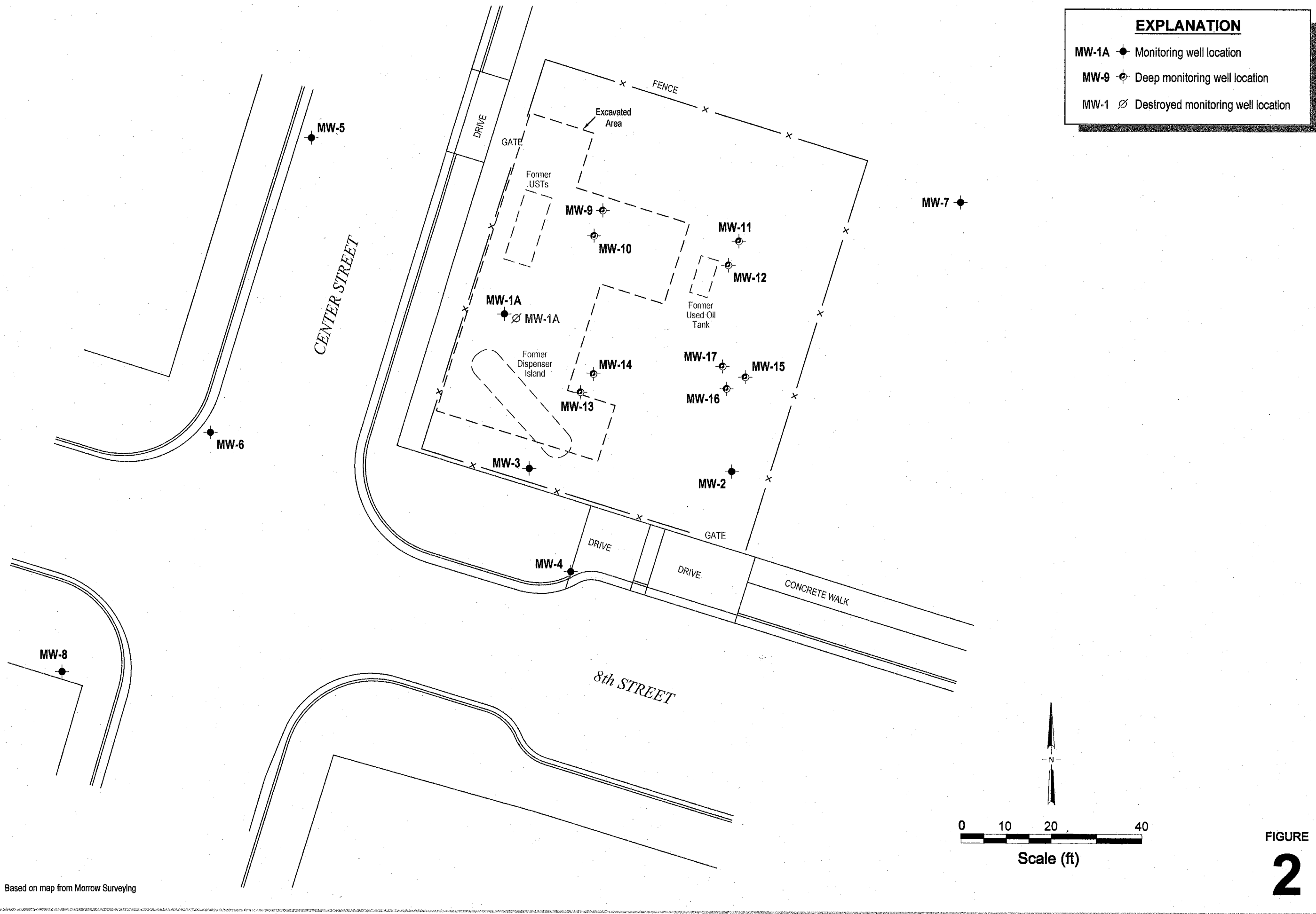


FIGURE 2

Former Chevron Service Station

800 Center Street
Oakland, California



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Site Plan

EXPLANATION	
CPT-1	⊙ CPT boring location
C-1	⊙ Soil boring location
MW-1A	⊙ Monitoring well location
MW-1	⊙ Destroyed monitoring well location
G-28	⊙ Gettler-Ryan geoprobe boring location
SW-7	⊙ Gettler-Ryan soil sample location
	⊙ Area of over excavation

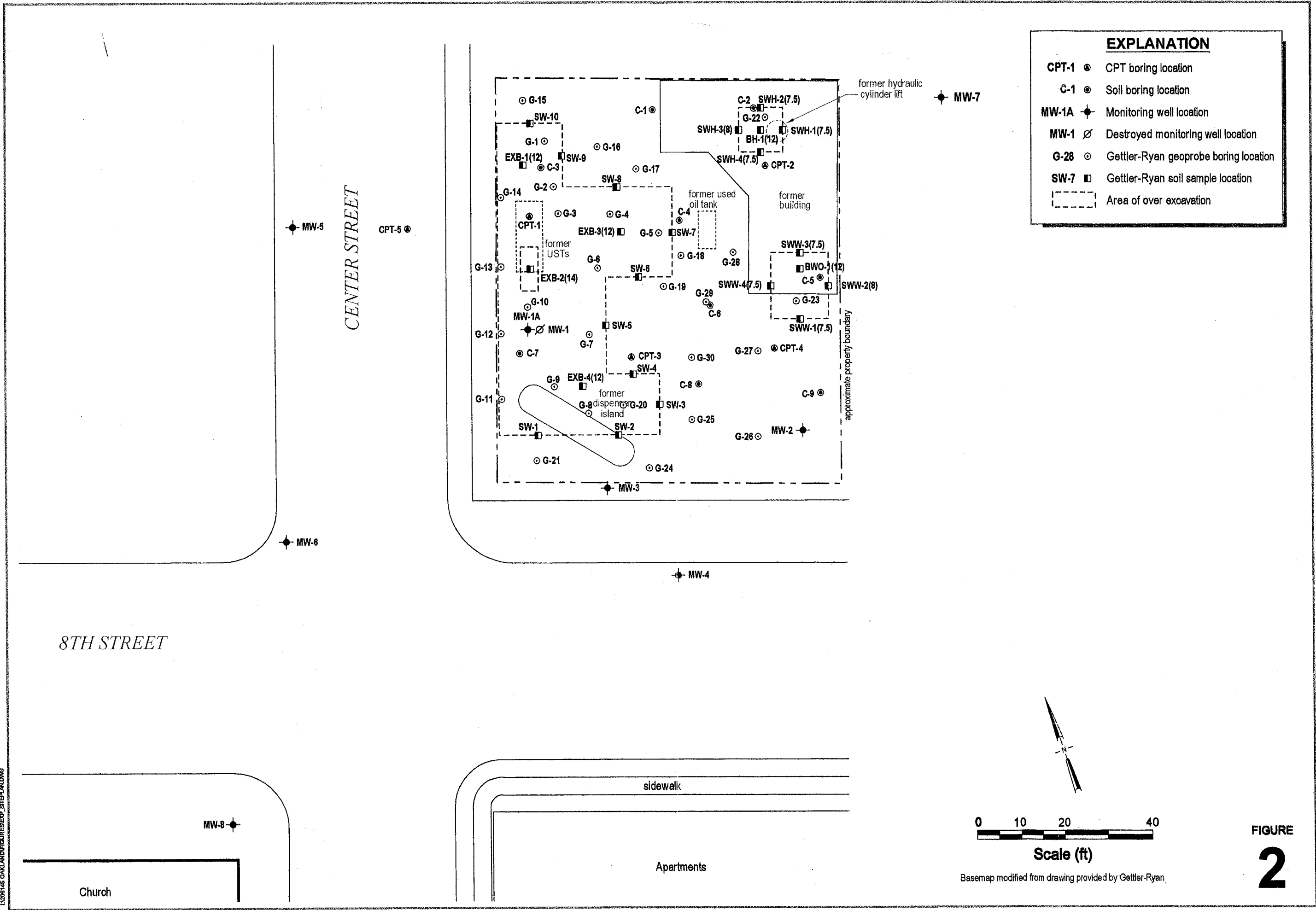
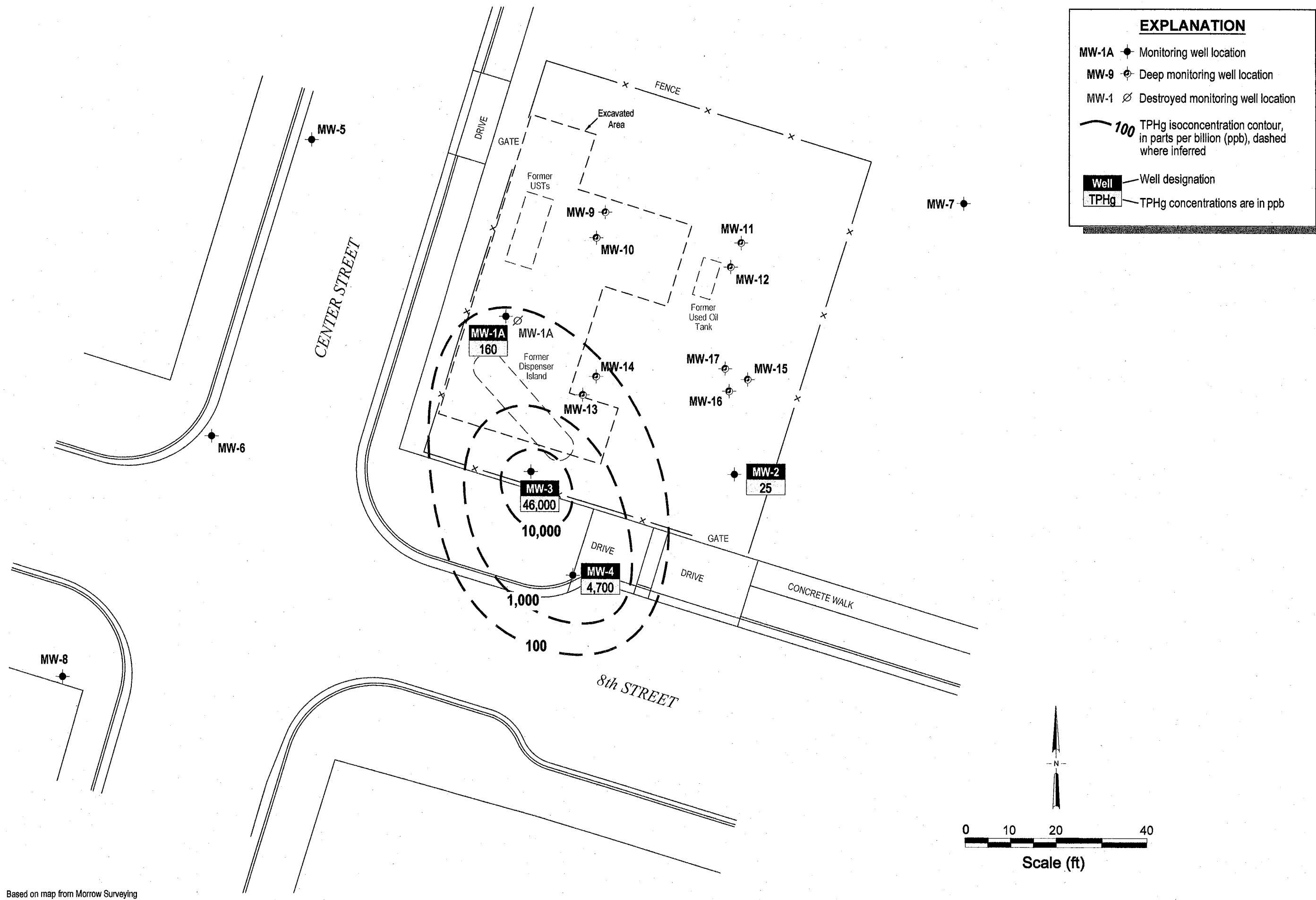


FIGURE
2

13206145 OAKLAND/RES/REP-STEP/AN.DWG

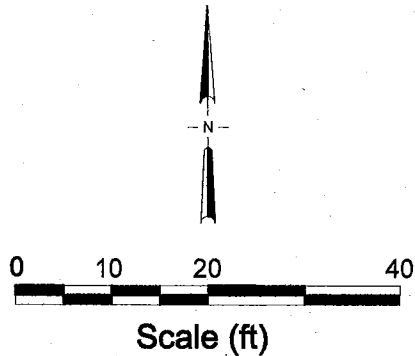
\\C:\HEVROM\206145 OAKAL\ND\FIGURES\206145 3007-TPHG.DWG

Based on map from Morrow Surveying



EXPLANATION

- MW-1A ● Monitoring well location
- MW-9 ⊕ Deep monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- 100 TPHg isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well Well designation
- TPHg TPHg concentrations are in ppb



TPHg Isoconcentrations in Shallow Groundwater



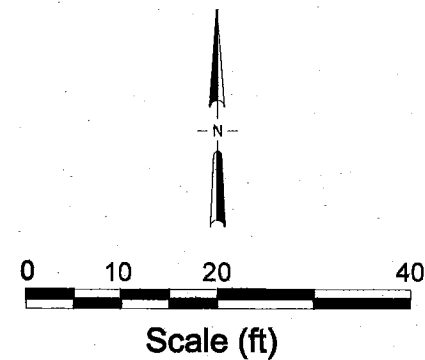
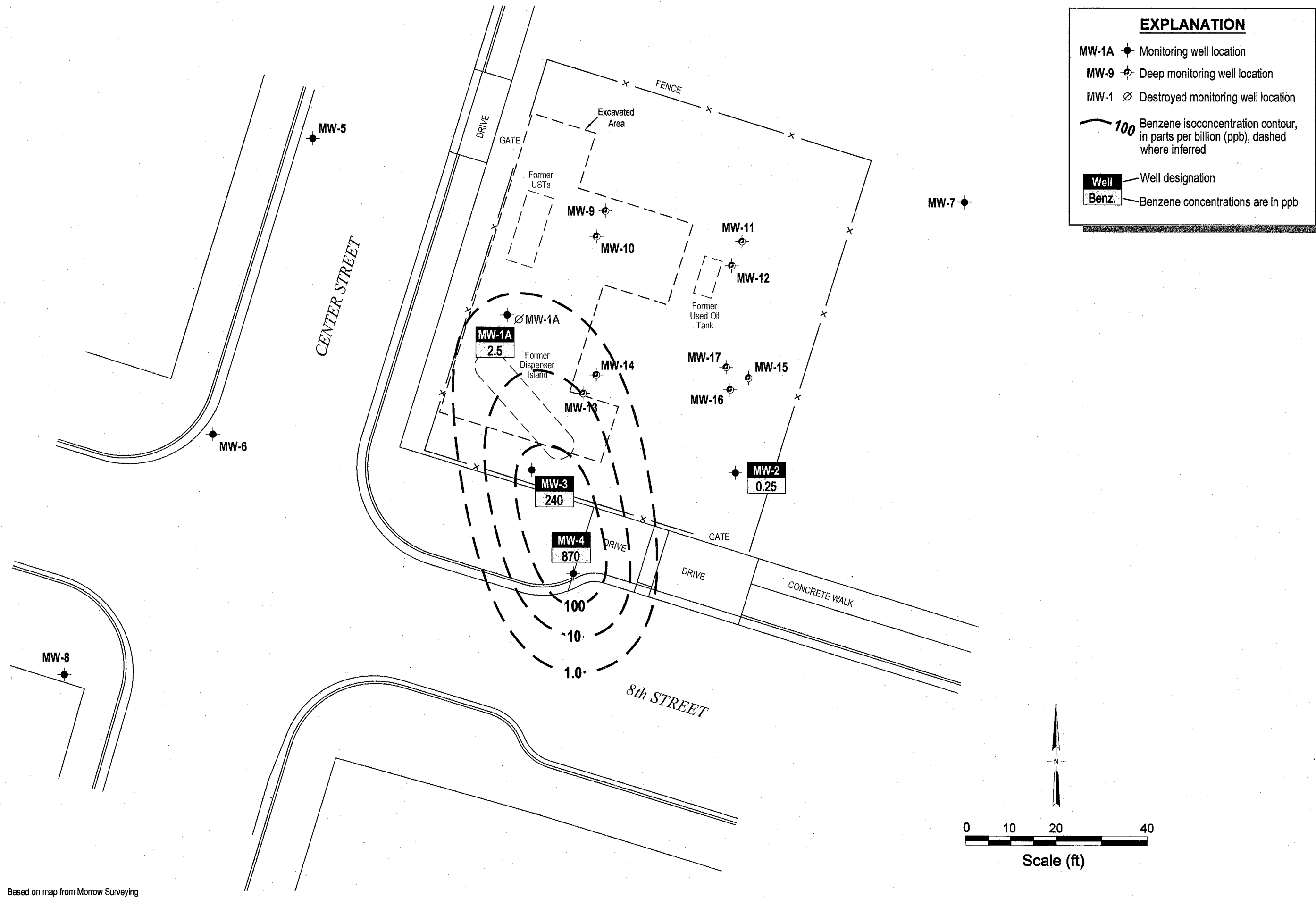
Former Chevron Service Station

800 Center Street
Oakland, California

August 17, 2007

1:CHEVRON/206145 OAKLAND/FIGURES/206145 3007-BENZ.DWG

Based on map from Morrow Surveying



**Benzene Isoconcentrations
in Shallow Groundwater**



Former Chevron Service Station
800 Center Street
Oakland, California

August 17, 2007

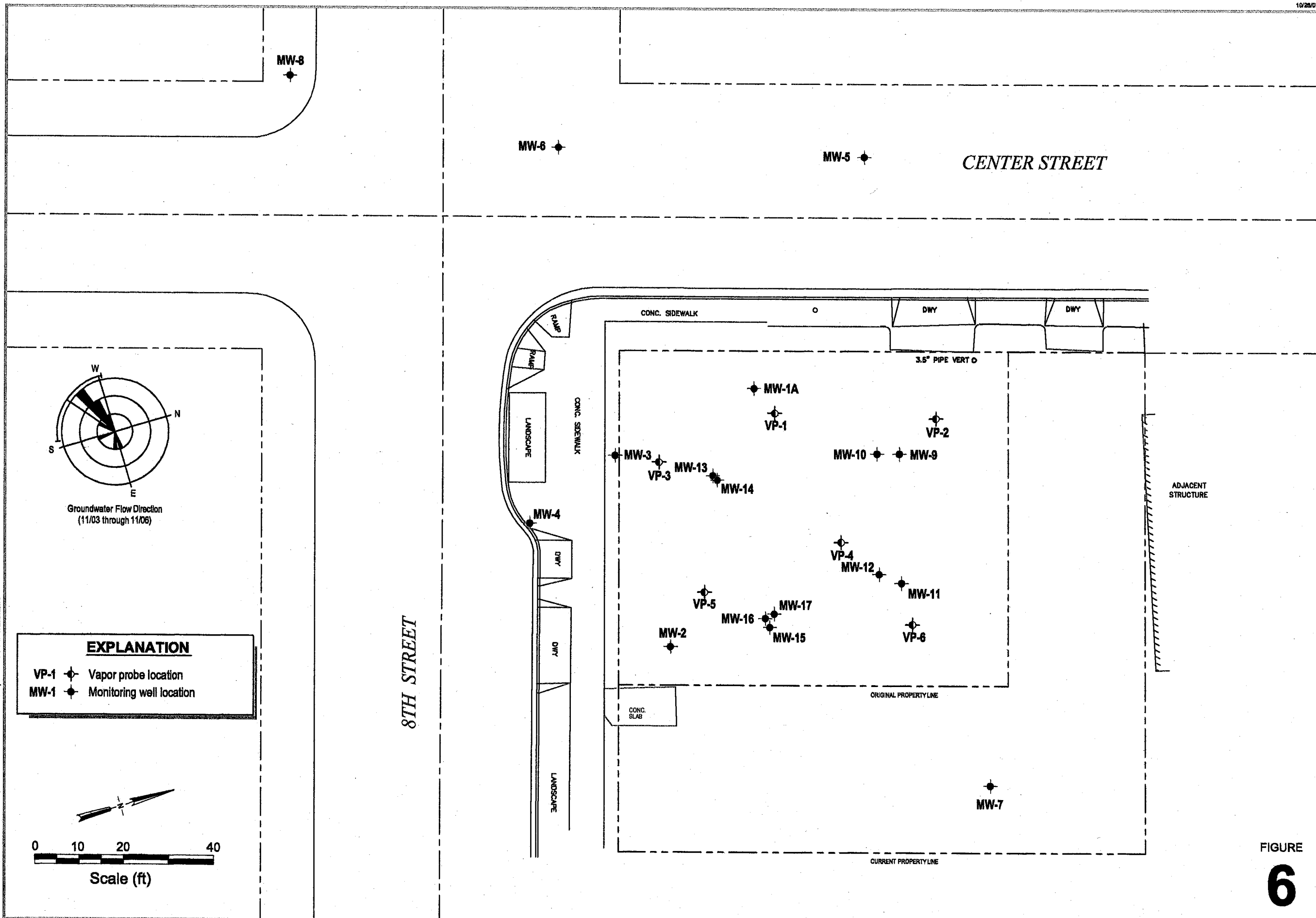
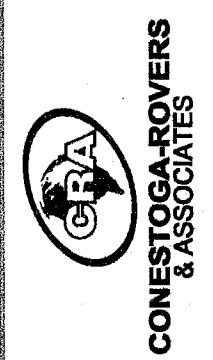


FIGURE 6

Wells and Vapor Probe Locations



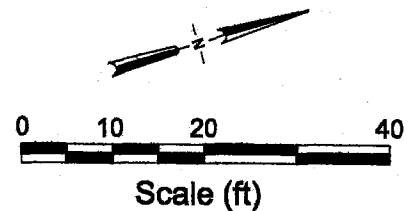
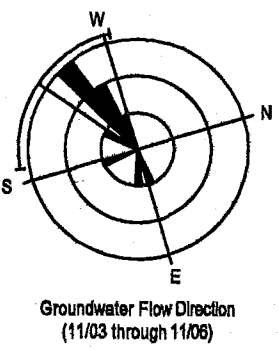
Former Chevron Station No. 20-6145
 800 Center Street
 Oakland, California

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EXPLANATION

VP-1 Vapor probe location

MW-1 Monitoring well location



TPHg and Benzene vs. Time MW-3
 Former Chevron Service Station #206145
 800 Center Street Oakland, CA

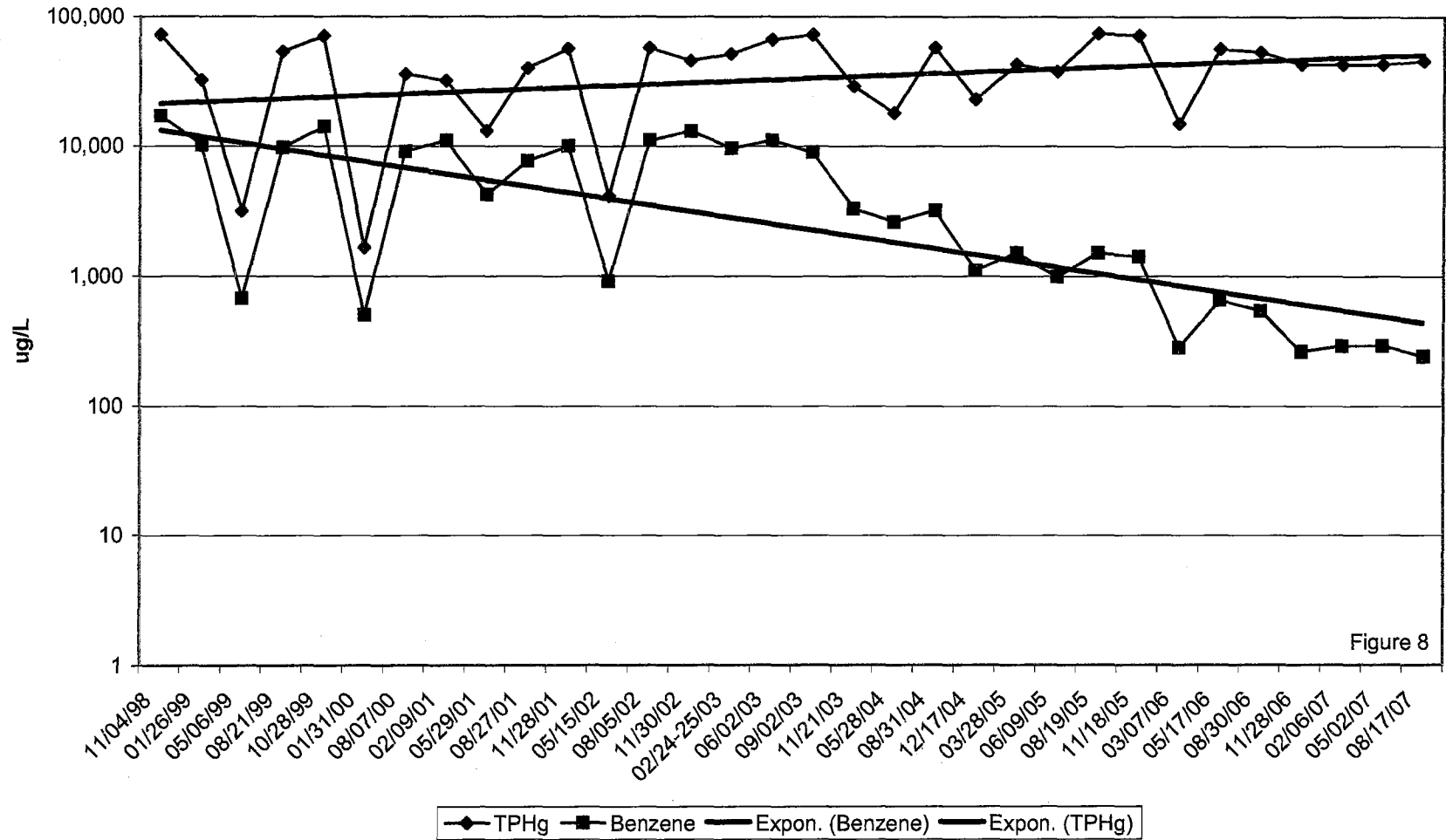
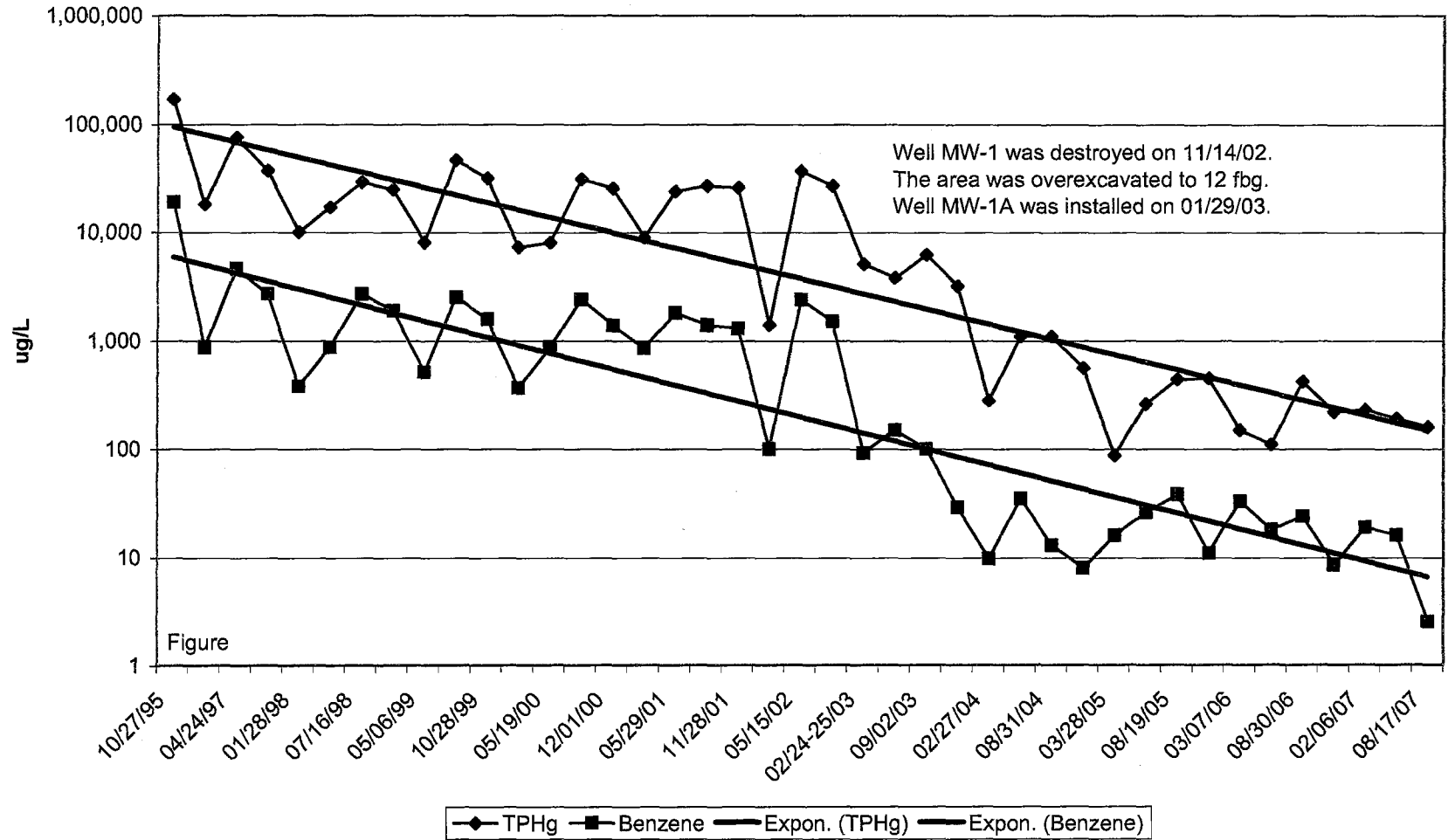


Figure 8

TPHg and Benzene vs. Time MW-1/MW-1A

Former Chevron Service Station #206145
800 Center Street Oakland, CA



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Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
MW-2	10/17/95	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-2	10/17/95	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-3	10/17/95	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-3	10/17/95	10	---	<1.0	0.24	0.01	0.016	0.019
MW-4	10/18/95	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-4	10/18/95	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-5	12/18/96	5	---	<1.0	<0.0050	0.016	0.0083	0.046
MW-5	12/18/96	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-5	12/18/96	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-6	12/18/96	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-6	12/18/96	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-6	12/18/96	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-7	12/18/96	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-7	12/18/96	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-7	12/18/96	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-8	12/18/96	5	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-8	12/18/96	10	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-8	12/18/96	15	---	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
G-1	6/21/02	5	---	3,000	0.95	---	---	---
G-1	6/21/02	10	---	12,000	31	---	---	---
G-2	6/21/02	5	---	2,700	2.8	---	---	---
G-2	6/21/02	10	---	3,800	7.5	---	---	---
G-3	6/21/02	5	---	<1.0	0.0059	---	---	---
G-3	6/21/02	10	---	7,700	19	---	---	---
G-4	6/21/02	5	---	<1.0	<0.0050	---	---	---
G-4	6/21/02	10	---	3,300	3.5	---	---	---
G-5	6/21/02	5	---	7.1	<0.0050	---	---	---
G-5	6/21/02	10	---	45	0.062	---	---	---
G-6	6/21/02	5	---	<1.0	<0.0050	---	---	---
G-6	6/21/02	10	---	6,300	19	---	---	---
G-7	6/21/02	5	---	<1.0	0.0057	---	---	---
G-7	6/21/02	10	---	7,300	18	---	---	---
G-8	6/21/02	5	---	7,100	8.4	---	---	---
G-8	6/21/02	10	---	16,000	69	---	---	---
G-9	6/21/02	5	---	3,700	1.9	---	---	---
G-9	6/21/02	10	---	19,000	83	---	---	---
G-10	6/21/02	5	---	<1.0	0.014	---	---	---
G-10	6/21/02	10	---	2,100	1.4	---	---	---
G-11	6/21/02	5	---	<1.0	<0.0050	---	---	---
G-11	6/21/02	10	---	100	<0.080	---	---	---

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
G-12	6/21/02	5	---	<1.0	<0.0050	---	---	---
G-12	6/21/02	10	---	9,000	50	---	---	---
G-13	6/21/02	5	---	<1.0	<0.0050	---	---	---
G-13	6/21/02	10	---	12,000	56	---	---	---
G-14	6/21/02	5	---	3,900	<20	---	---	---
G-14	6/21/02	10	---	14,000	65	---	---	---
G-15	6/21/02	5	---	<1.0	<0.0050	0.02	<0.0050	0.017
G-15	6/21/02	10	---	5,800	12	320	110	450
G-16	6/21/02	5	---	<1.0	<0.0050	0.015	<0.0050	<0.015
G-16	6/21/02	10	---	2,100	5.1	110	52	230
G-17	6/21/02	5	---	35	0.082	0.78	0.54	1.2
G-17	6/21/02	10	---	420	0.62	9.2	9.9	41
G-18	6/21/02	5	---	81	0.11	1.1	0.76	2.6
G-18	6/21/02	10	---	1,700	4.9	68	51	220
G-19	6/21/02	5	---	<1.0	<0.0050	0.015	<0.0050	<0.015
G-19	6/21/02	10	---	4,500	20	230	110	450
G-21	6/21/02	5	---	<1.0	<0.0050	0.016	<0.0050	0.016
G-21	6/21/02	10	---	1	0.0091	0.18	0.055	0.23
EXB-1	11/14/02	12	1,100	4,000	25	230	87	380
EXB-2	11/15/02	14	270	1,900	7.3	71	42	200
SW-1	11/15/02	5	<10	<1.0	<0.0050	0.0073	<0.0050	0.017
SW-1	11/15/02	10	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-2	11/15/02	5	<10	<1.0	<0.0050	0.0088	<0.0050	<0.015
SW-2	11/15/02	10	1,600	2,800	2.5	75	52	250
SW-3	11/15/02	5	<10	<1.0	<0.0050	0.0089	<0.0050	0.021
SW-3	11/15/02	10	1,200	7,300	19	330	170	650
SW-4	11/15/02	5	<10	<1.0	<0.0050	0.0081	<0.0050	<0.015
SW-4	11/15/02	10	3,400	18,000	91	1,200	440	1,900
SW-5	11/15/02	5	<10	<1.0	0.0072	0.039	0.0057	0.022
SW-5	11/15/02	10	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-6	11/15/02	5	110	4.1	0.0084	0.15	0.079	0.41
SW-6	11/15/02	10	920	3,900	7.3	140	110	450
SW-7	11/15/02	5	<10	<1.0	<0.0050	0.011	<0.0050	<0.015
SW-7	11/15/02	10	700	4,800	11	250	130	540
SW-8	11/15/02	5	<10	<1.0	<0.0050	0.016	<0.0050	<0.015
SW-8	11/15/02	10	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-9	11/15/02	5	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-9	11/15/02	10	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-10	11/15/02	5	<10	<1.0	<0.0050	<0.0050	<0.0050	<0.015
SW-10	11/15/02	10	240	570	<0.10	0.66	3.7	21
EXB-3	11/16/02	12	920	3,400	9.5	170	86	370
EXB-4	11/16/02	12	1,100	6,900	22	310	150	460

OVEREXCAVATION

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
G-24	1/29/03	5	52	<1.0	<0.0050	0.012	<0.0050	<0.015
G-24	1/29/03	10	<10	<1.0	0.0074	0.014	<0.0050	<0.015
G-24	1/29/03	15	<10	<1.0	0.026	0.012	0.0096	<0.015
G-25	1/29/03	5	53	<1.0	<0.0050	<0.0095	<0.0050	<0.015
G-25	1/29/03	10	1400	8,800	27	560	290	1,200
G-25	1/29/03	15	350	1,200	8.5	90	35	140
G-26	1/29/03	5	<10	2.2	<0.0050	0.02	0.0076	0.036
G-26	1/29/03	10	<10	<1.0	<0.0050	0.0092	<0.0050	<0.015
G-26	1/29/03	15	<10	2.2	0.0092	<0.020	0.019	0.031
G-27	1/29/03	5	<10	<1.0	<0.0050	0.02	<0.0050	0.018
G-27	1/29/03	10	1,600	5,500	13	250	180	700
G-27	1/29/03	15	170	10,000	58	790	350	1,300
G-28	1/29/03	5	<10	<1.0	0.0054	0.03	0.0063	0.026
G-28	1/29/03	10	<10	16	0.027	0.096	0.056	0.28
G-28	1/29/03	15	<10	620	2.3	34	17	71
G-29	1/29/03	5	<10	<1.0	<0.0050	0.021	0.0057	0.021
G-29	1/29/03	10	410	5,200	39	380	160	640
G-29	1/29/03	15	1,100	4,800	14	290	170	670
G-30	1/29/03	5	<10	7.1	0.014	0.25	0.14	0.7
G-30	1/29/03	10	1,600	16,000	92	1,000	480	1,900
G-30	1/29/03	15	500	3,500	27	210	85	370
MW-1A	1/29/03	16	<10	<1.0	0.013	0.033	0.0087	0.027
CPT-1	10/6/04	10.5	860	5,300	10	230	92	460
CPT-1	10/6/04	14.5	<10.0	2	0.0005	<0.001	<0.001	<0.001
CPT-1	10/6/04	25.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-1	10/6/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-1	10/6/04	35	<10.0	<1.0	0.0005	0.005	0.004	0.023
CPT-1	10/6/04	40	<10.0	<1.0	0.01	0.098	0.04	0.2
CPT-2	10/6/04	5	560	<4.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	10.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	14.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	20.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	25.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	35.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-2	10/7/04	40.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-3	10/12/04	10.5	890	9,000	1.9	200	130	660
CPT-3	10/12/04	15.5	<10.0	18	0.094	0.028	0.34	0.31
CPT-3	10/12/04	20.5	<10.0	14	0.002	0.003	0.01	0.025
CPT-3	10/12/04	25.5	<10.0	1.3	0.001	0.009	0.001	0.005
CPT-3	10/12/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-3	10/12/04	35.5	<10.0	3.3	0.013	0.031	<0.001	0.11
CPT-3	10/12/04	40.5	<10.0	4.5	0.008	0.032	0.002	0.13

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
CPT-4	10/6/04	5	46	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-4	10/8/04	10.5	<10.0	1.2	<0.0005	<0.001	<0.001	<0.001
CPT-4	10/8/04	14.5	<10.0	<1.0	<0.0005	0.005	0.001	0.005
CPT-4	10/8/04	20.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-4	10/8/04	25.5	<10.0	<1.0	<0.0005	0.002	<0.001	0.002
CPT-4	10/8/04	29.5	<10.0	<1.0	<0.0005	0.004	0.001	0.005
CPT-4	10/8/04	35.5	<10.0	<1.0	<0.0005	0.001	<0.001	0.001
CPT-4	10/8/04	40.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
CPT-5	10/11/04	5	<10.0	1.5	<0.0005	<0.001	<0.001	<0.001
CPT-5	10/11/04	9.5	530	7,200	13	260	100	550
CPT-5	10/11/04	15.5	<10.0	140	<0.063	<0.13	<0.13	0.13
CPT-5	10/11/04	25.5	22	7.6	0.081	0.75	0.12	0.74
CPT-5	10/11/04	29.5	<10.0	13	0.0005	0.005	0.002	0.01
CPT-5	10/11/04	35.5	<10.0	<1.0	<0.0005	0.006	0.003	0.015
CPT-5	10/11/04	50.5	<10.0	4.8	<0.0005	0.003	0.002	0.01
CPT-5	10/11/04	69.5	<10.0	<1.0	<0.0005	0.001	<0.001	0.001
C-1	11/1/04	5	<10.0	2.8	<0.0005	<0.001	<0.001	<0.001
C-1	11/1/04	10	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-1	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-1	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-1	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-2	11/1/04	5	450	<1.0	<0.0005	<0.001	<0.001	<0.001
C-2	11/1/04	10	67	<1.0	<0.0005	0.002	<0.001	<0.001
C-2	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-2	11/1/04	20	13	<1.0	<0.0005	<0.001	<0.001	<0.001
C-2	11/1/04	24.5	<10.0	<1.0	<0.0005	0.001	<0.001	<0.001
C-3	11/1/04	10	640	4,800	0.75	94	66	310
C-3	11/1/04	15	22	9.7	<0.001	<0.002	0.003	0.005
C-3	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-3	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-4	11/1/04	5	160	9.2	0.001	0.008	<0.001	0.003
C-4	11/2/04	10	1,000	6,300	11	410	200	780
C-4	11/2/04	15	<10.0	3.1	<0.0005	<0.001	<0.001	<0.001
C-4	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-4	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-5	11/1/04	5	160	1	<0.0005	<0.001	<0.001	<0.001
C-5	11/2/04	10	330	2.3	<0.0005	0.002	<0.001	0.002
C-5	11/2/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-5	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-5	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-6	11/2/04	10	94	880	<0.063	3.8	6.9	36
C-6	11/2/04	15	<10.0	27	<0.002	<0.005	0.11	0.052
C-6	11/2/04	20	<10.0	4.3	<0.0005	<0.001	<0.001	<0.001
C-6	11/2/04	24.5	<10.0	<1.0	<0.0005	0.003	<0.001	0.001

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
C-7	11/1/04	10	520	<10	<0.0005	0.003	<0.001	0.002
C-7	11/1/04	15	39	1,100	<0.063	1.9	5.7	33
C-7	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-7	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-8	11/1/04	5	38	<1.0	<0.0005	<0.001	<0.001	<0.001
C-8	11/2/04	10	1,200	6,200	20	590	240	990
C-8	11/2/04	15	<10.0	19	0.001	<0.002	0.003	0.002
C-8	11/2/04	20	<10.0	2.7	<0.0005	<0.001	<0.001	0.001
C-8	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-9	11/1/04	5	47	<4.0	<0.0005	0.003	<0.001	<0.001
C-9	11/2/04	10	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-9	11/2/04	15	<10.0	<1.0	<0.0005	0.002	<0.001	0.002
C-9	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
C-9	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001
B-1	6/12/06	9	<10	<.0005	<.001	<.001	<.001	<.0005
B-1	6/12/06	15	<10	<.0005	<.001	<.001	<.001	<.0005
B-1	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-2	6/12/06	9	<10	<.0005	<.001	<.001	<.001	<.0005
B-2	6/12/06	15	<10	<.0005	<.001	<.001	<.001	<.0005
B-2	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-3	6/12/06	10	<10	<.0005	<.001	<.001	<.001	<.0005
B-3	6/12/06	15	<10	<.0005	<.001	<.001	<.001	<.0005
B-3	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-4	6/12/06	10	<10	<.0005	<.001	<.001	<.001	<.0005
B-4	6/12/06	14	<10	<.0005	<.001	<.001	<.001	<.0005
B-4	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-5	6/12/06	9	<10	<.0005	<.001	<.001	<.001	<.0005
B-5	6/12/06	14	<10	<.0005	<.001	<.001	<.001	<.0005
B-5	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-6	6/12/06	9	47	<.0002	<.005	<.005	<.005	<.0002
B-6	6/12/06	15	<10	<.0005	<.001	<.001	<.001	<.0005
B-6	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-7	6/12/06	9	<10	<.0005	<.001	<.001	<.001	<.0005
B-7	6/12/06	15	<10	<.0005	<.001	<.001	<.001	<.0005
B-7	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
B-8	6/12/06	9	<10	<.0005	<.001	<.001	<.001	<.0005
B-8	6/12/06	14	<10	<.0005	<.001	<.001	<.001	<.0005
B-8	6/12/06	19	<10	<.0005	<.001	<.001	<.001	<.0005
MW-9	4/9/07	14.5	<4.0	1.6	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	19.5	<4.0	7.1	0.001	<0.001	0.001	0.001
MW-9	4/9/07	24.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	29.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-9	4/9/07	34.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								
MW-10	4/10/07	41.5	<4.0	2.5	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	44.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-10	4/10/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	59.5	<4.0	<1.0	<0.0005	0.003	<0.001	0.005
MW-11	4/9/07	9.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	14.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	19.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	24.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	29.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	34.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	44.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	59.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	9.0	33	3,400	0.23	35	34	180
MW-14	4/11/07	14.5	13	880	0.062	0.12	0.12	0.12
MW-14	4/11/07	19.5	<4.0	7.3	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	24.5	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	29.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-14	4/11/07	34.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-14	4/11/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	44.5	<4.0	2.1	0.0005	0.004	<0.001	0.004
MW-14	4/11/07	49.5	<4.0	1.5	0.004	0.011	0.005	0.024
MW-14	4/11/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	59.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	9.5	710	7,300	7.2	330	150	650
MW-17	4/13/07	14.5	<4.0	1.5	0.003	0.002	0.002	0.005
MW-17	4/13/07	19.5	<4.0	<1.0	<0.0005	0.004	0.002	0.001
MW-17	4/13/07	24.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	29.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-17	4/13/07	34.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	39.5	<4.0	<1.0	<0.0005	0.003	<0.001	0.003
MW-17	4/13/07	44.5	<4.0	3.1	0.002	0.032	0.014	0.032
MW-17	4/13/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	59.5	<4.0	<1.0	0.0006	0.004	<0.001	0.001
MW-17	4/13/07	64.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	69.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	74.5	<4.0	<1.0	<0.0005	0.002	<0.001	<0.001

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram - mg/kg								

Abbreviations/Notes:

Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M w/ silca gel cleanup

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

<x = Not detected above method detection limit

fbg = Feet below grade

ATTACHMENT A

ACEHS Correspondence dated March 21, 2007

ALAMEDA COUNTY
HEALTH CARE SERVICES



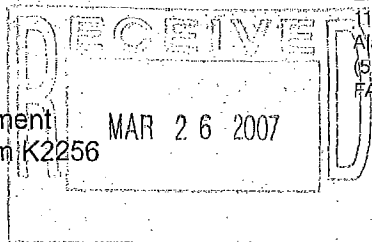
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION
1181 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

March 21, 2007

Mr. Satya Sinha
Chevron Environmental Management
6001 Bollinger Canyon Rd., Room K2256
San Ramon, CA 94583



Mr. Rene Boisvert
Boulevard Equity Group
484 Lakepark Ave. #246
Oakland, CA 94610

Dear Messrs. Sinha and Boisvert:

Subject: Fuel Leak Case No. RO0000454, Chevron #20-6145 / SIGNAL SS,
800 Center St., Oakland CA 94607

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the March 5, 2007 Workplan for Additional Subsurface Investigation by Cambria. The work plan provides a sampling method to verify the previous groundwater sampling results, which indicated petroleum contamination to depths of 72' bgs. Four nested well locations are proposed in this investigation. Two nested wells in these locations are proposed screened from 35-40' bgs and 55-60' bgs plus one additional well in the southwest portion of the site screened from 70-75' bgs. We have the following technical comments we request you address when performing this work.

TECHNICAL COMMENTS

1. Nested wells have been shown to have difficulty in installing reliable seals between the well screens by U.S. EPA. Therefore, our agency does not concur with your proposal of these wells. We recommend the installation of well clusters or Continuous Multichannel Tubing (CMT) in order to sample groundwater at different depths. Please confirm that an alternative monitoring method will be done as requested below.
2. In an effort to expedite this evaluation, we request that groundwater sampling from the newly installed wells be performed on two-month intervals. We feel that a decision can be made after three sampling events ie four months after installation. Please submit a new Feasibility Study/Corrective Action Plan as requested below. The FS/CAP should propose cleanup levels and goals for soil and groundwater and should evaluate three alternatives besides monitored natural attenuation (MNA) and no action.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according to the following schedule:

- April 6, 2007- Description of alternative monitoring method.
- May 14, 2007- Well Construction and Multi-level Groundwater Monitoring Report

- August 1, 2007- 2nd Multi-level Groundwater Monitoring Report
- October 1, 2007-3rd Multi-level Groundwater Monitoring Report
- November 1, 2007- Feasibility Study/Corrective Action Plan

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the

Messrs. Sinha and Boisvert
March 21, 2007
Page 3

professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

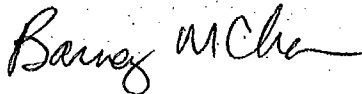
Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

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

If you have any questions, please call me at (510) 567-6765.

Sincerely,

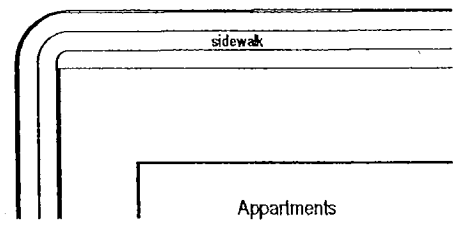
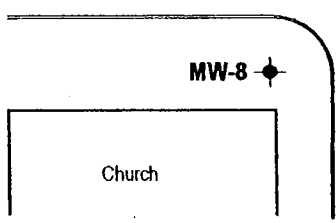
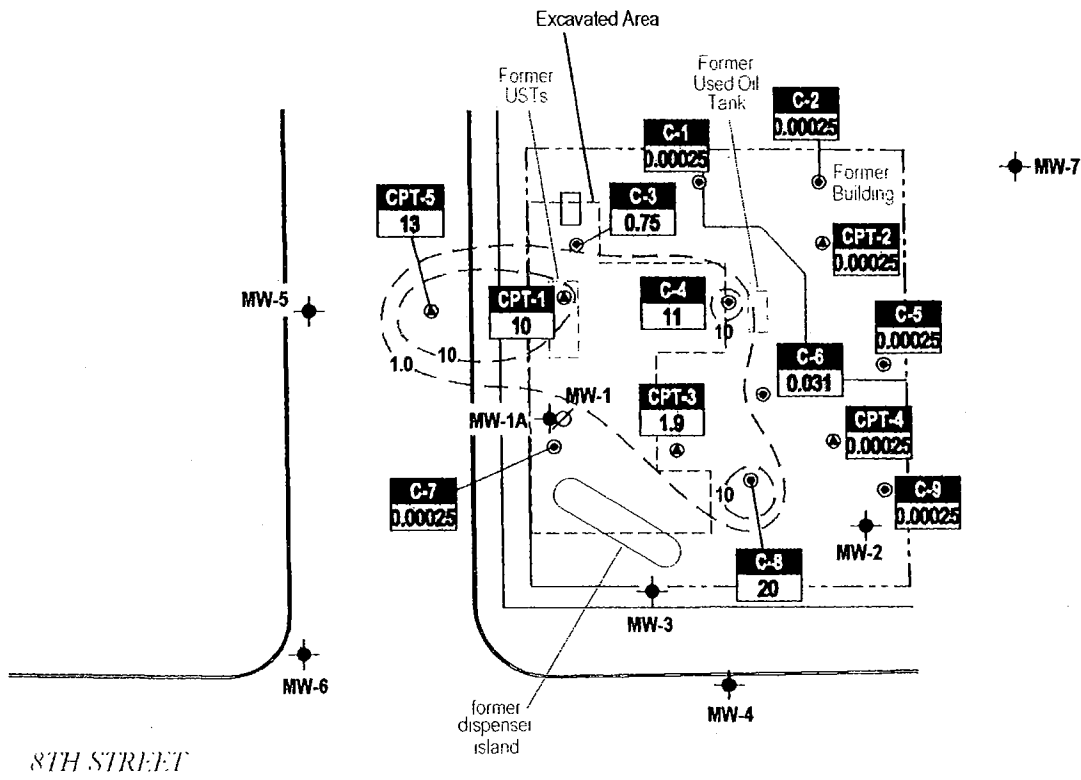


Barney M. Chan
Hazardous Materials Specialist

cc: files, D. Drogos
Ms. Charlotte Evans, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville,
CA 94608
Mr. Hollis Rodgers, 215 W. MacArthur Blvd., Apt. #434, Oakland, CA 94611
Ms. Nancy Nadel, City of Oakland, City Hall, 1 Frank Ogawa Plaza, Oakland,
CA 94612

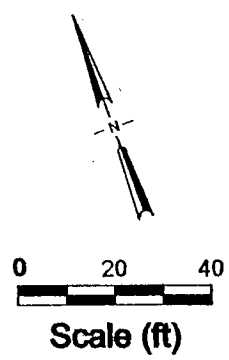
ATTACHMENT B

Figures from Previous Investigations



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- Well ID — Well / Boring designation
- BENZ — Benzene concentrations in soil from 5.0 to 10.5 fbg. in parts per million (ppm)
- 10 — Benzene concentration contour line dashed where inferred



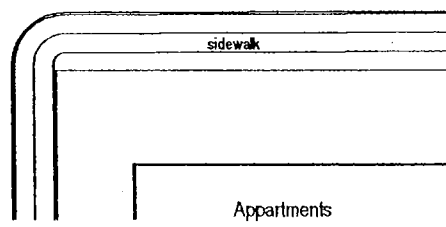
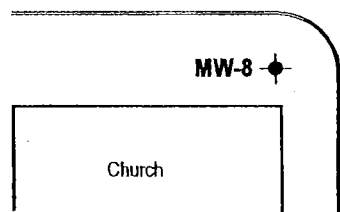
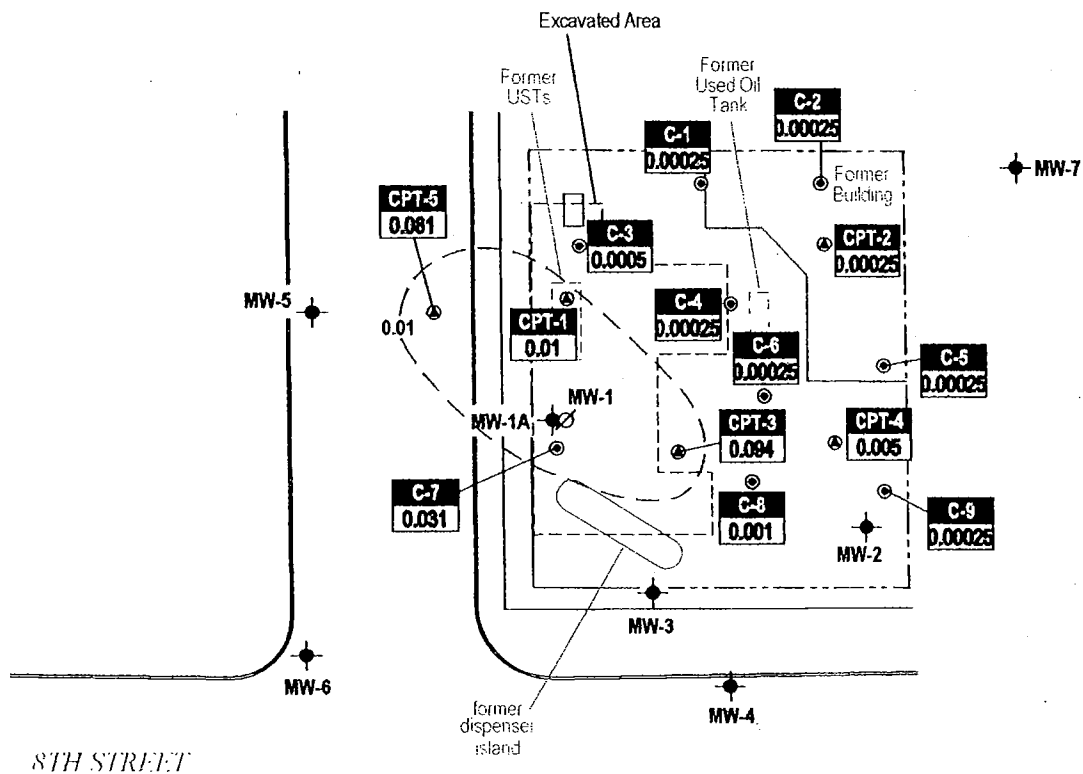
11009145 OAKLAND/FIGURE/ISOIL-BENZ-5-DWG

Chevron Service Station # 206145
 800 Center Street
 Oakland, California



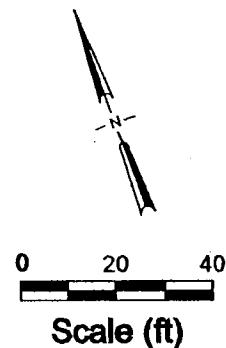
C A M B R I A

**Isoconcentrations of Benzene
 in Soil from 5.0 to 10.5 fbg.**



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- Well Id
BENZ Well / Boring designation
- 10 Benzene concentrations in soil from >10.5 fbg. in parts per million (ppm)
- 10 — Benzene concentration contour line dashed where inferred



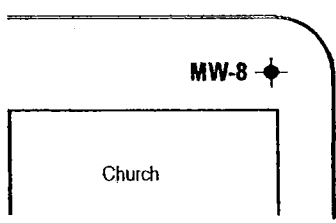
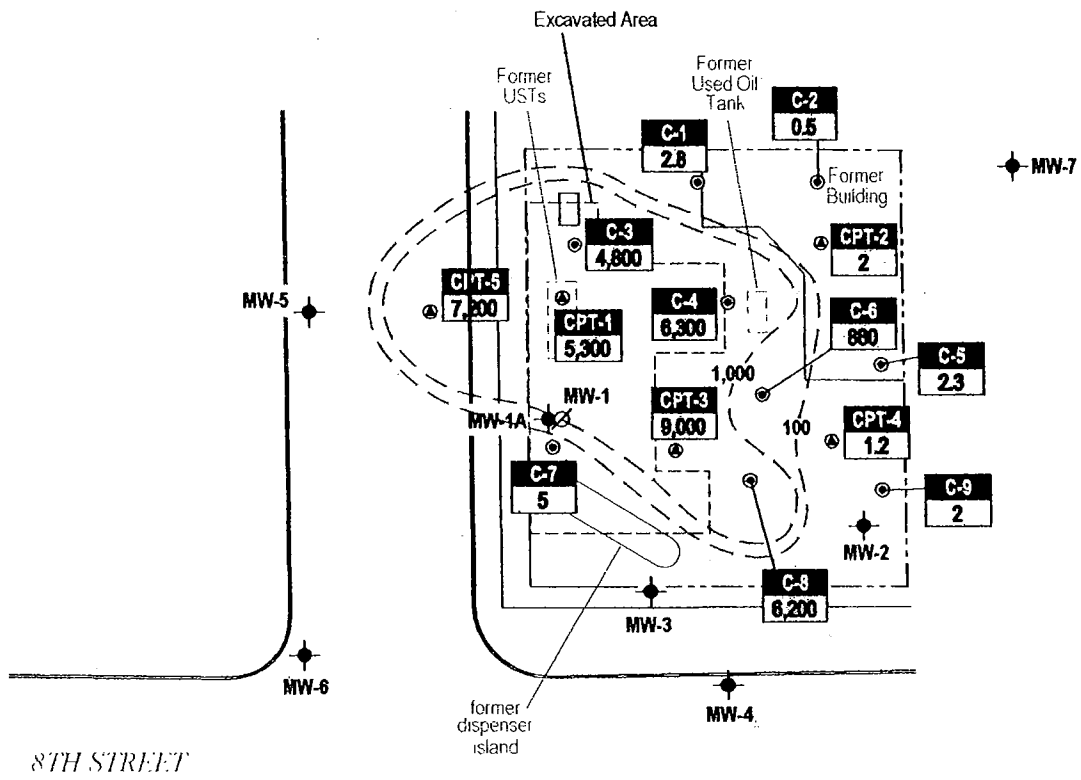
Chevron Service Station # 206145
 800 Center Street
 Oakland, California



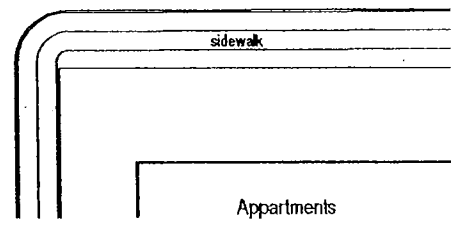
C A M B R I A

**Isoconcentrations of Benzene
 in Soil from >10.5 fbg.**

INVESTIGATING AND ANALYZING SOIL - BENZENE DATA



CENTER STREET



EXPLANATION

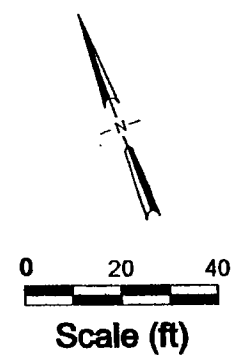
- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location

Well ID / Boring designation

TPHg

TPHg concentrations in soil from 5.0 to 10.5 fbg. in parts per million (ppm)

10 — TPHg concentration contour line dashed where inferred



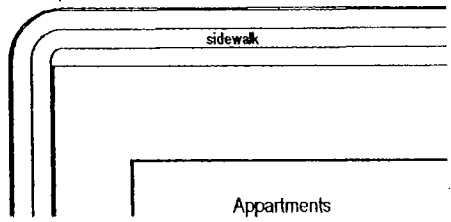
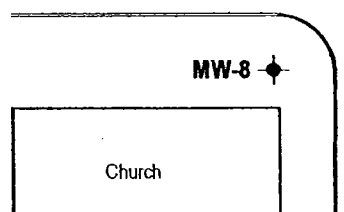
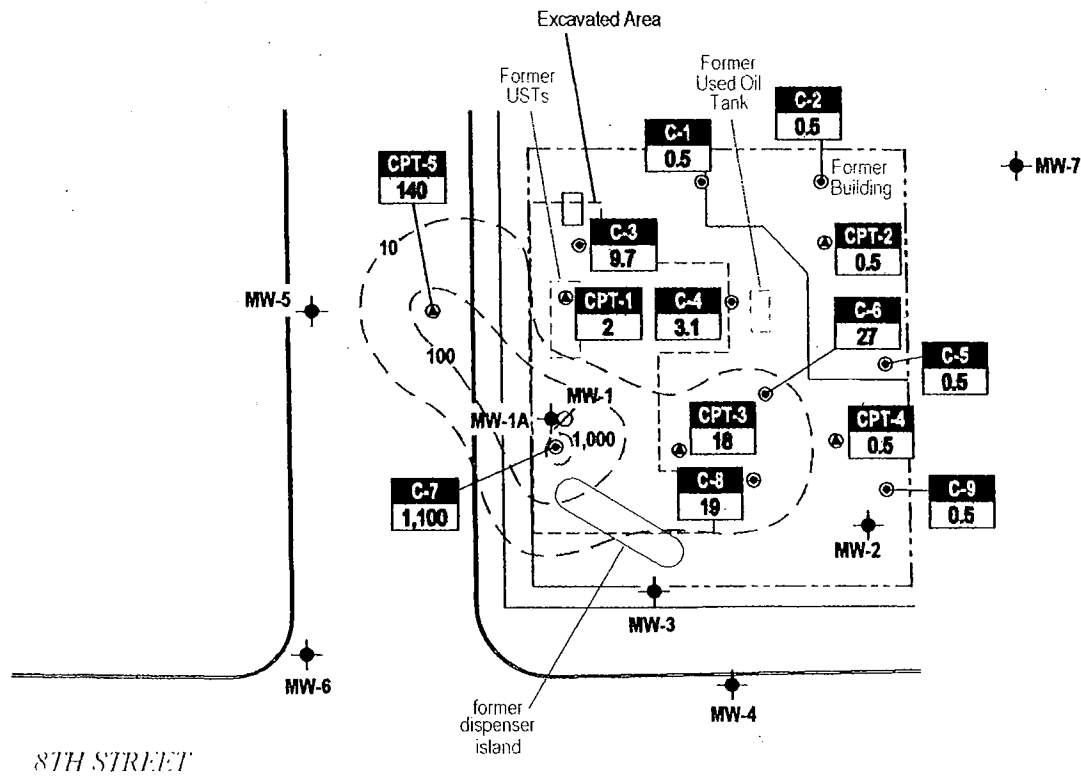
PROJECT: 206145 CHEVRON SERVICE STATION SOIL TPHg - 8/03

Chevron Service Station # 206145
 800 Center Street
 Oakland, California



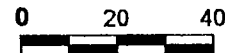
C A M B R I A

**Isoconcentrations of TPHg
 in Soil from 5.0 to 10.5 fbg.**



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- Well ID Well / Boring designation
- TPHg TPHg concentrations in soil from >10.5 fbg. in parts per million (ppm)
- 10 --- TPHg concentration contour line dashed where inferred



Scale (ft)

Chevron Service Station # 206145

800 Center Street

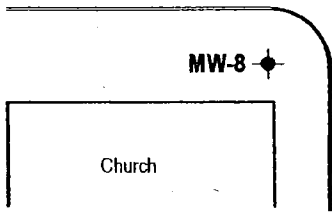
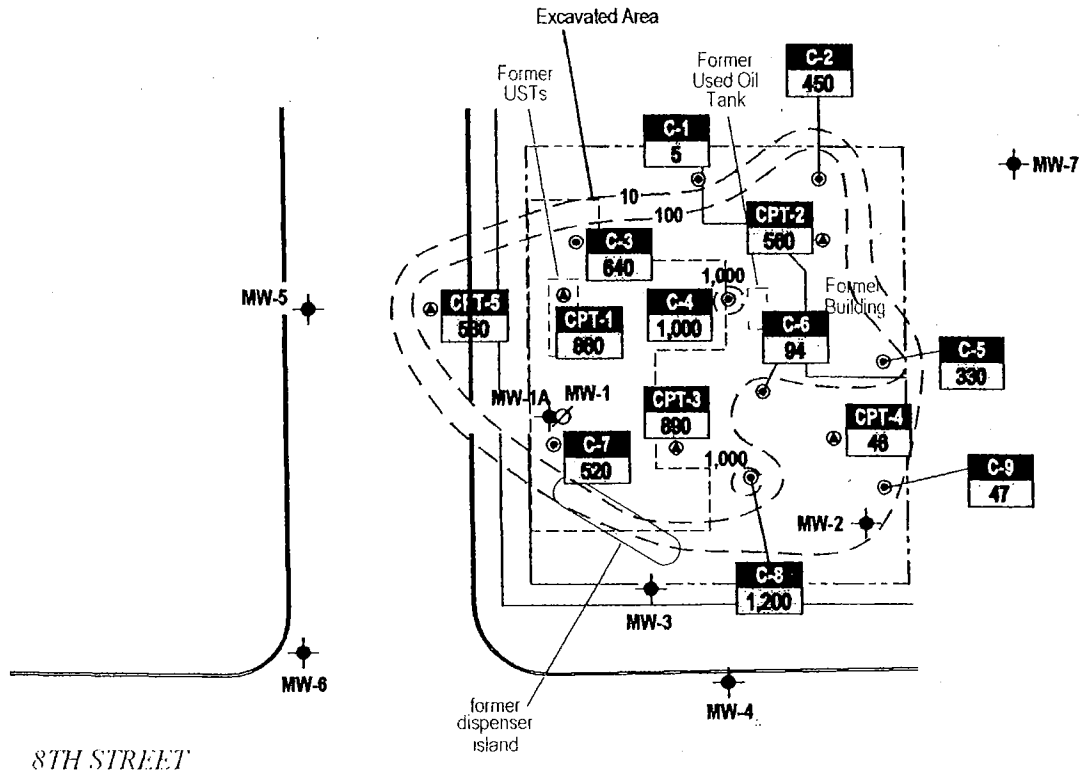
Oakland, California



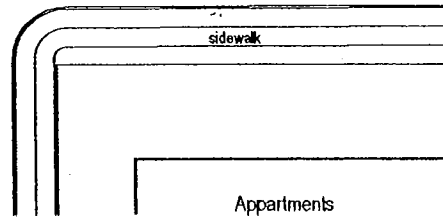
C A M B R I A

**Isoconcentrations of TPHg
in Soil from >10.5 fbg.**

INVESTIGATING AND ANALYZING SOIL TPHg-10, DMS

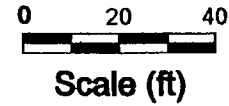


CENTER STREET



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ◆ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- Well ID
TPHd — Well / Boring designation
- TPHd — TPHd concentrations in soil from 5.0 - 10.5 fbg in parts per million (ppm)
- 100 - - - TPHd concentration contour line dashed where inferred



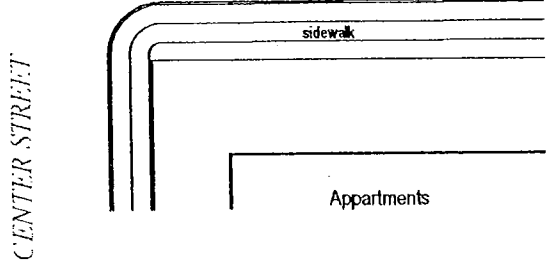
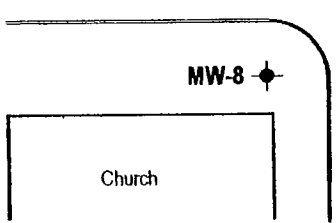
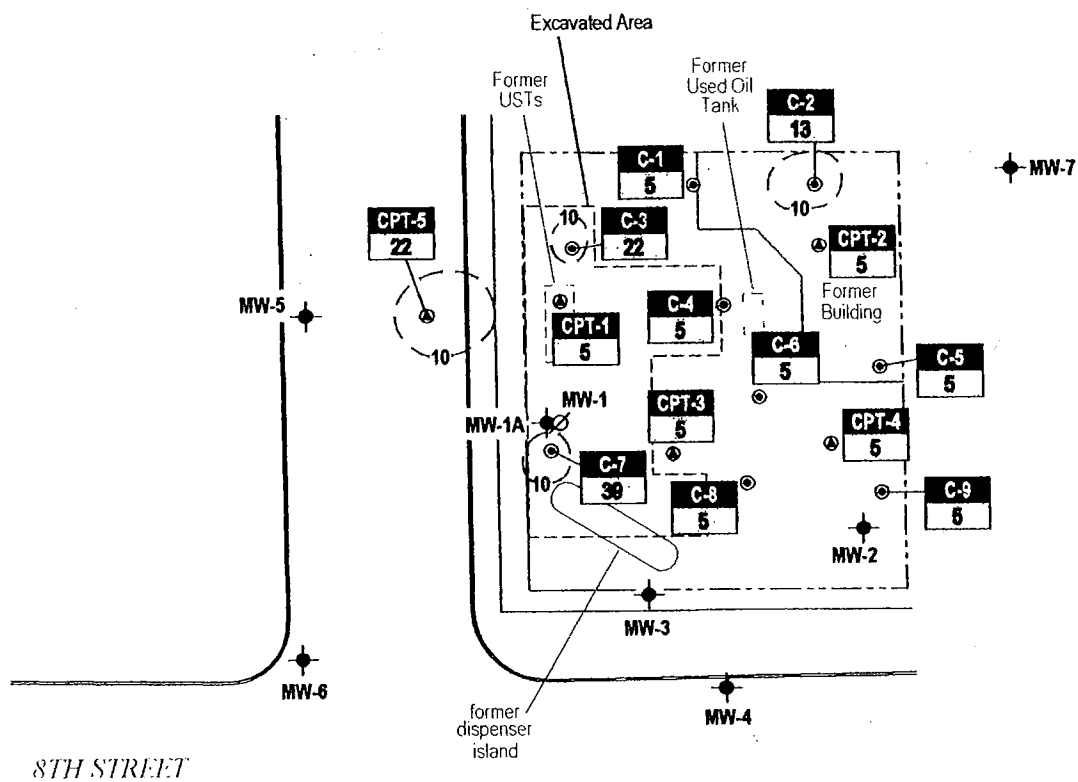
1806148 CADLANDFIGURESOILTPHD.DWG

Chevron Service Station # 206145
 800 Center Street
 Oakland, California



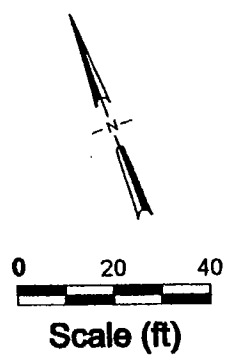
C A M B R I A

**Isoconcentrations of TPHd
 in Soil from 5 - 10.5 fbg.**



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ◆ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- Well ID — Well / Boring designation
- TPHd — TPHd concentrations in soil from 5.0 to 10.5 fbg. in parts per million (ppm)
- 10 - - - TPHd concentration contour line dashed where inferred



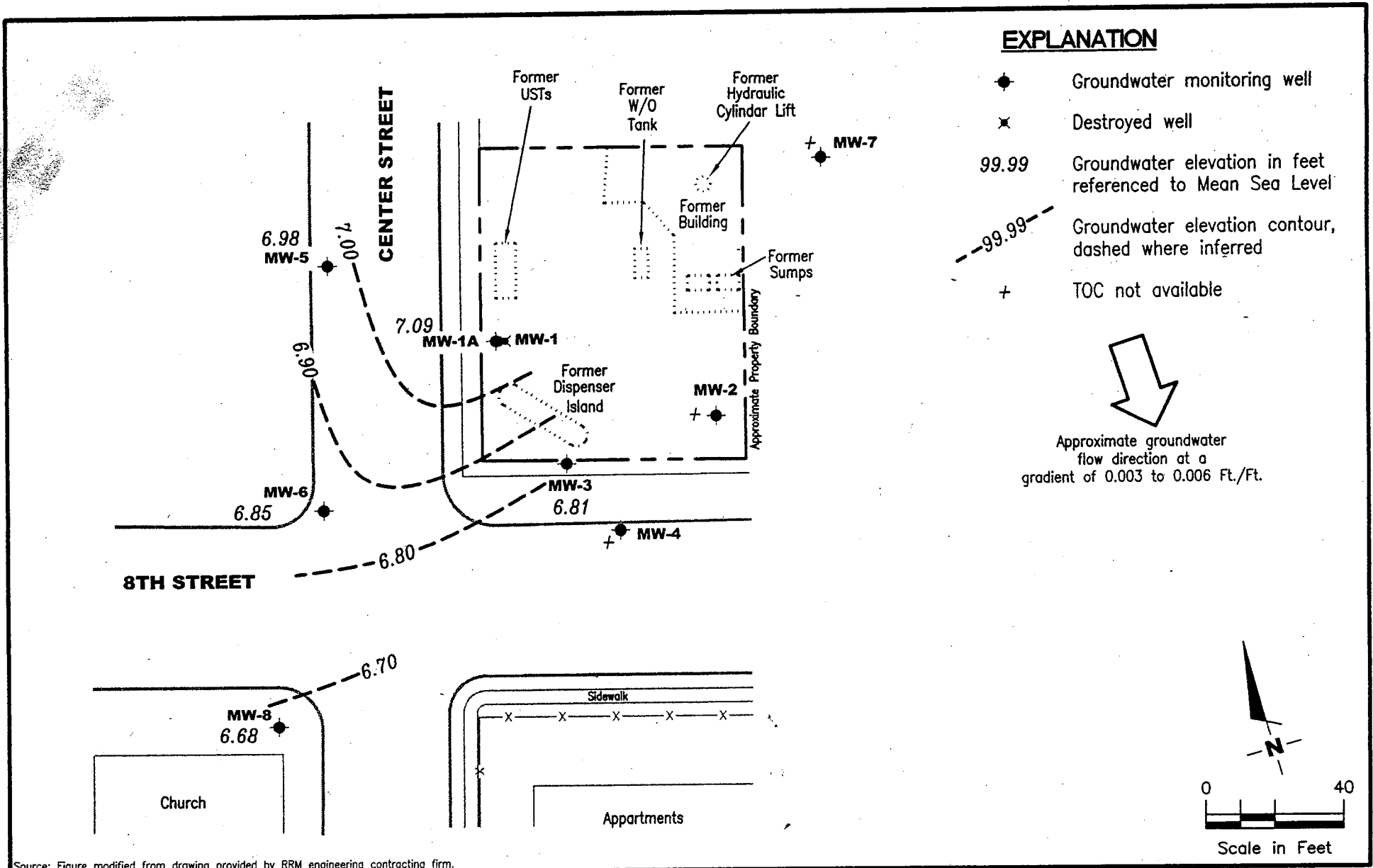
I:\300148 CAMBRIA\SOIL\TPHD-10.DWG

Chevron Service Station # 206145
 800 Center Street
 Oakland, California



C A M B R I A

**Isoconcentrations of TPHd
 in Soil from >10.5 fbg.**



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

POTENTIOMETRIC MAP
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

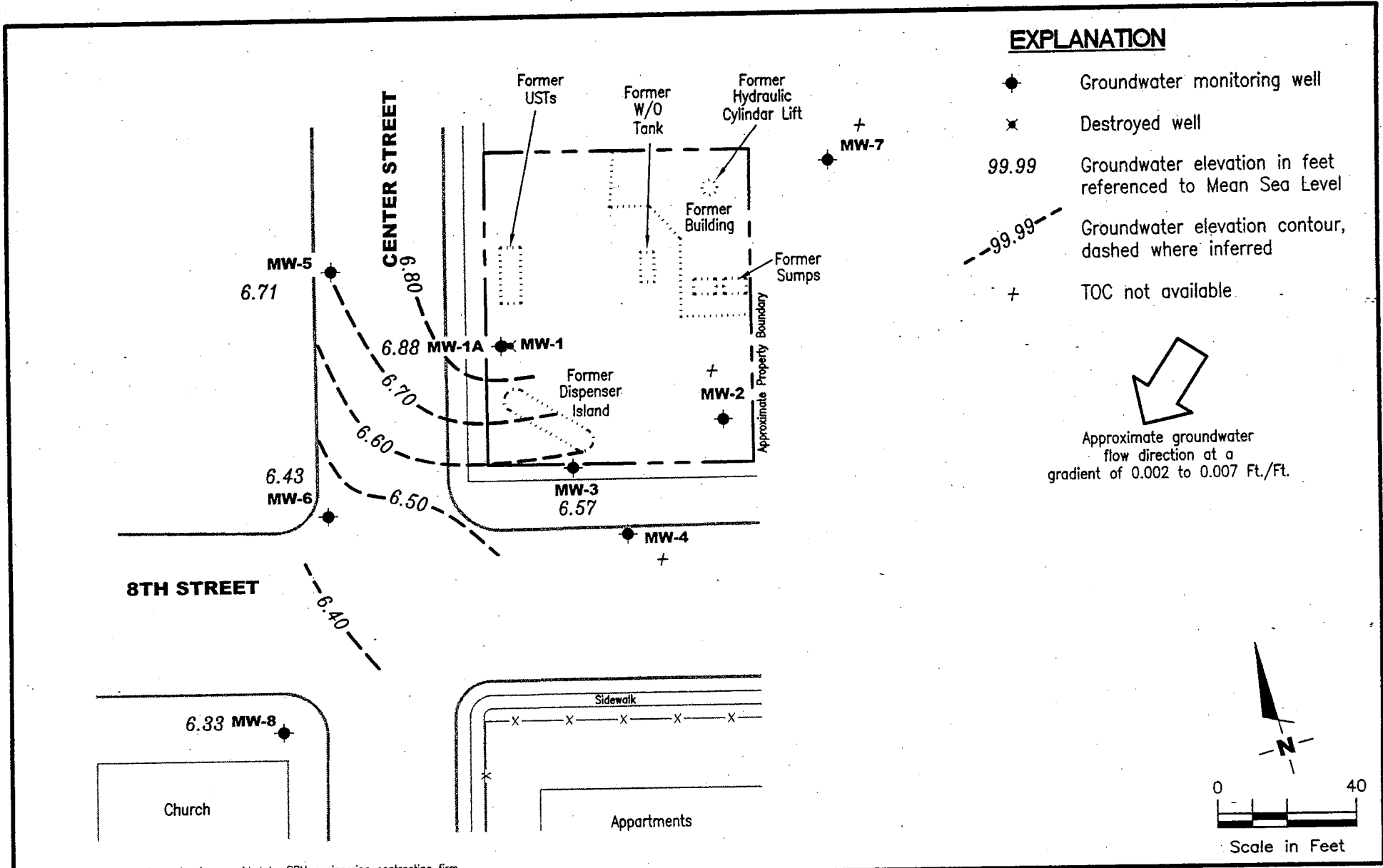
FIGURE
1

PROJECT NUMBER
386492

REVIEWED BY

DATE
 December 17, 2004

REVISED DATE



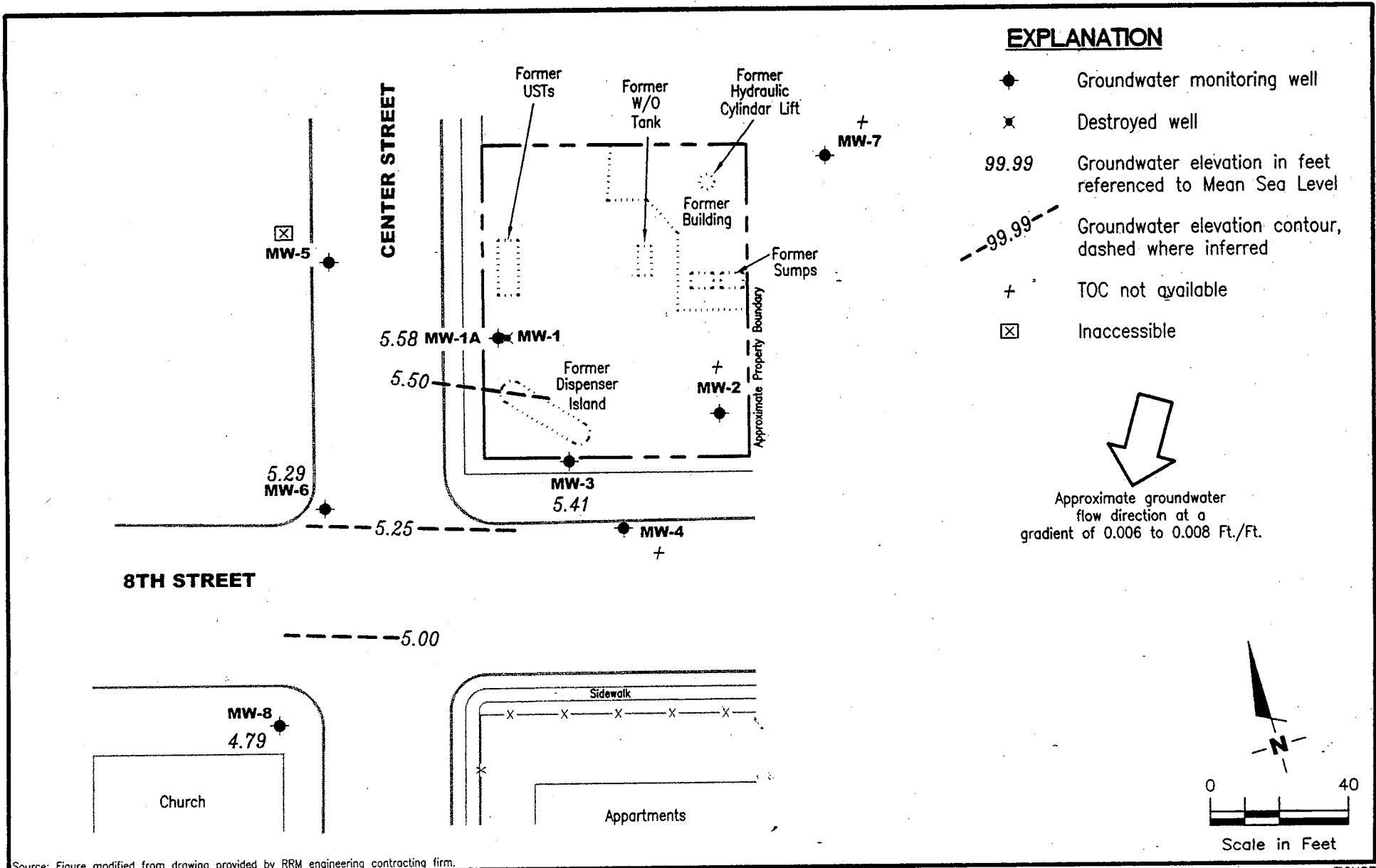
Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

POTENTIOMETRIC MAP
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE
1

PROJECT NUMBER 386492 REVIEWED BY DATE May 28, 2004 REVISED DATE

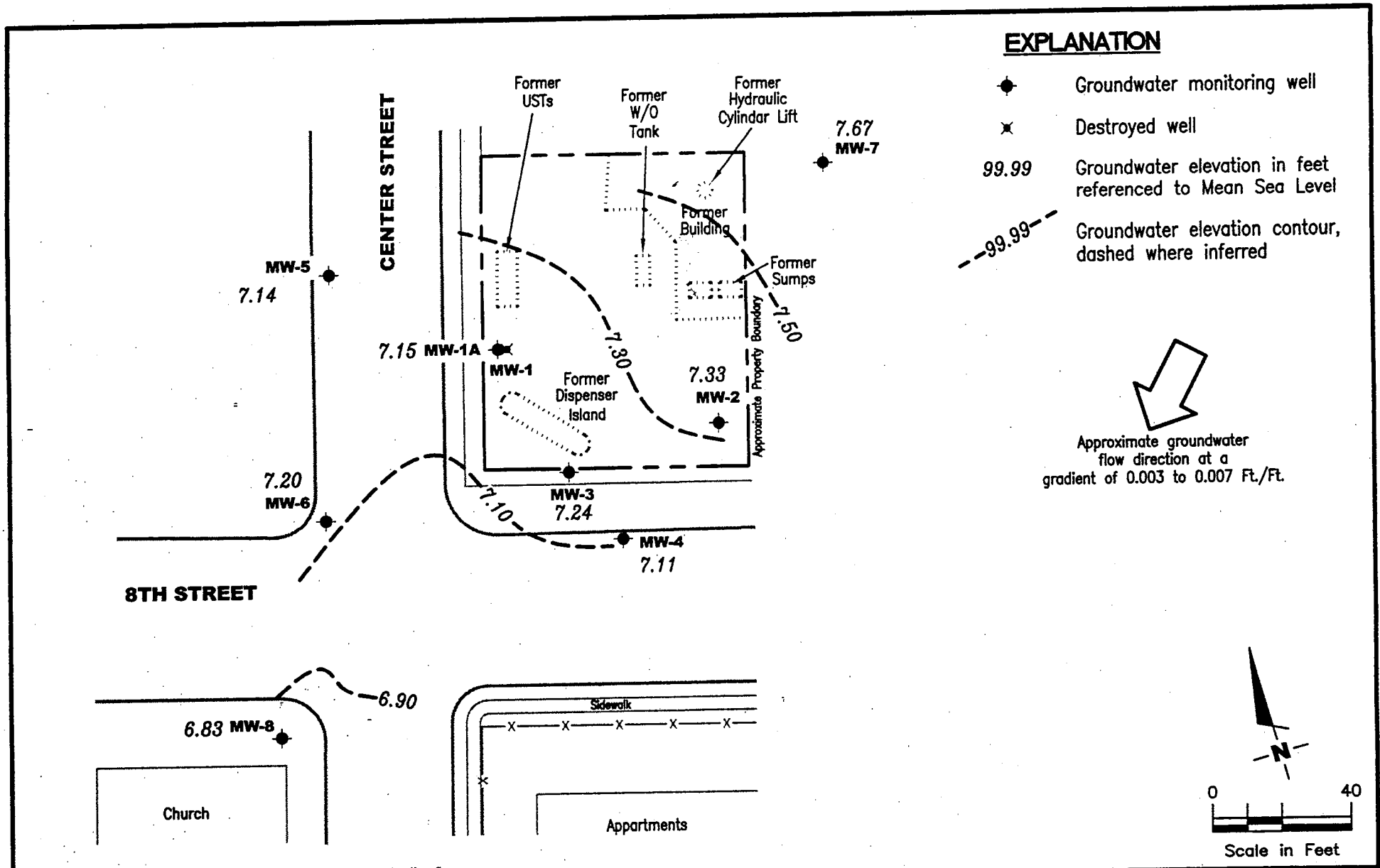


GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE
1

PROJECT NUMBER 386492 REVIEWED BY DATE August 31, 2004 REVISED DATE



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

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

POTENTIOMETRIC MAP
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE

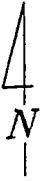
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PROJECT NUMBER
 386492

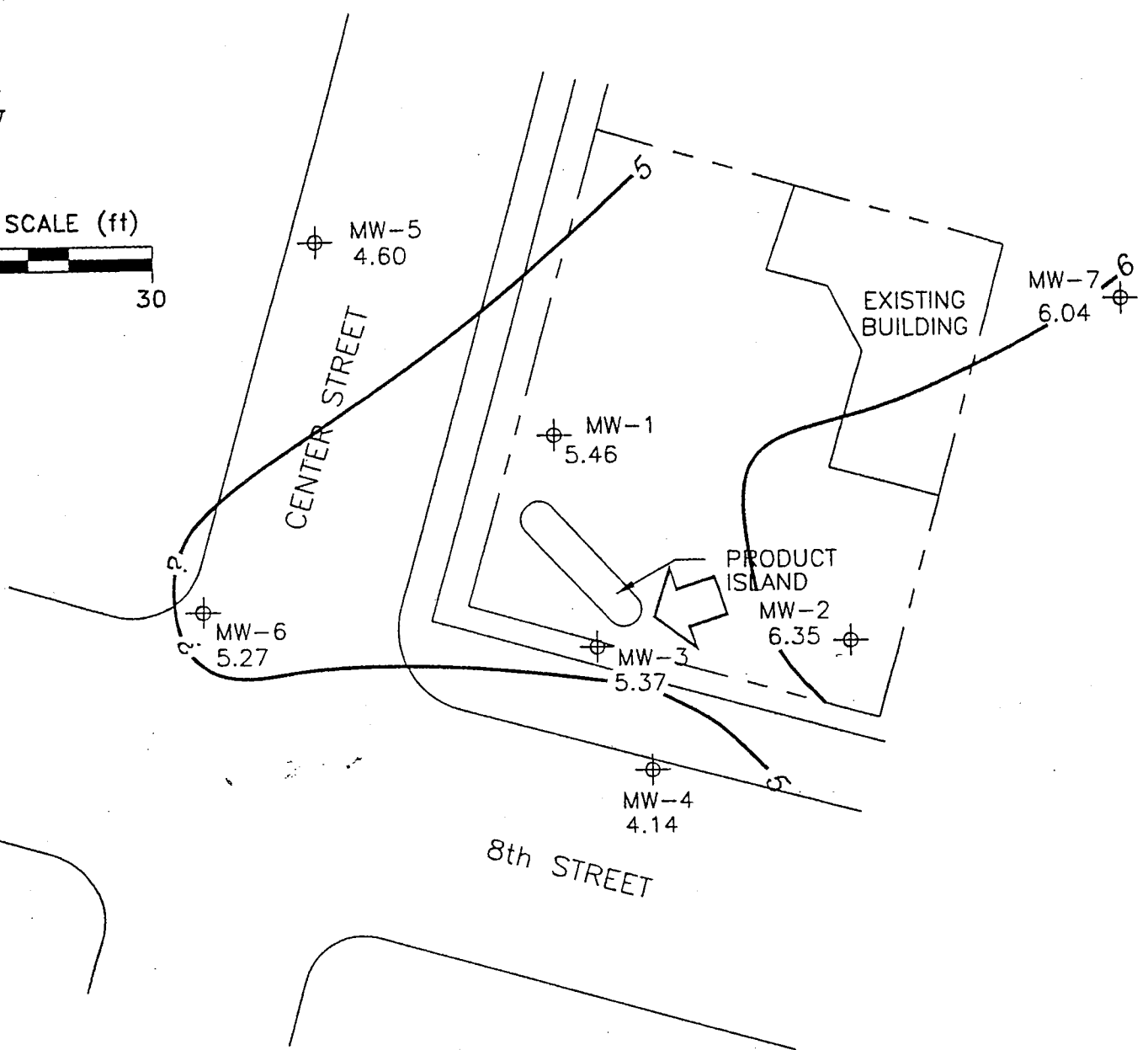
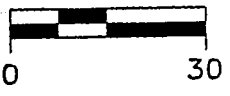
REVIEWED BY

DATE
 June 2, 2003




REVISED DATE



SCALE (ft)



EXPLANATION

-  MONITORING WELL
- 5.27 GROUNDWATER ELEVATION (FT, MSL)
-  — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
-  APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.03



Ref. 206145.dwg
Base map from Ron Archer Engineer Inc.

PREPARED BY

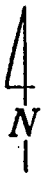


Former Signal Service Station S-800
800 Center Street
Oakland, California

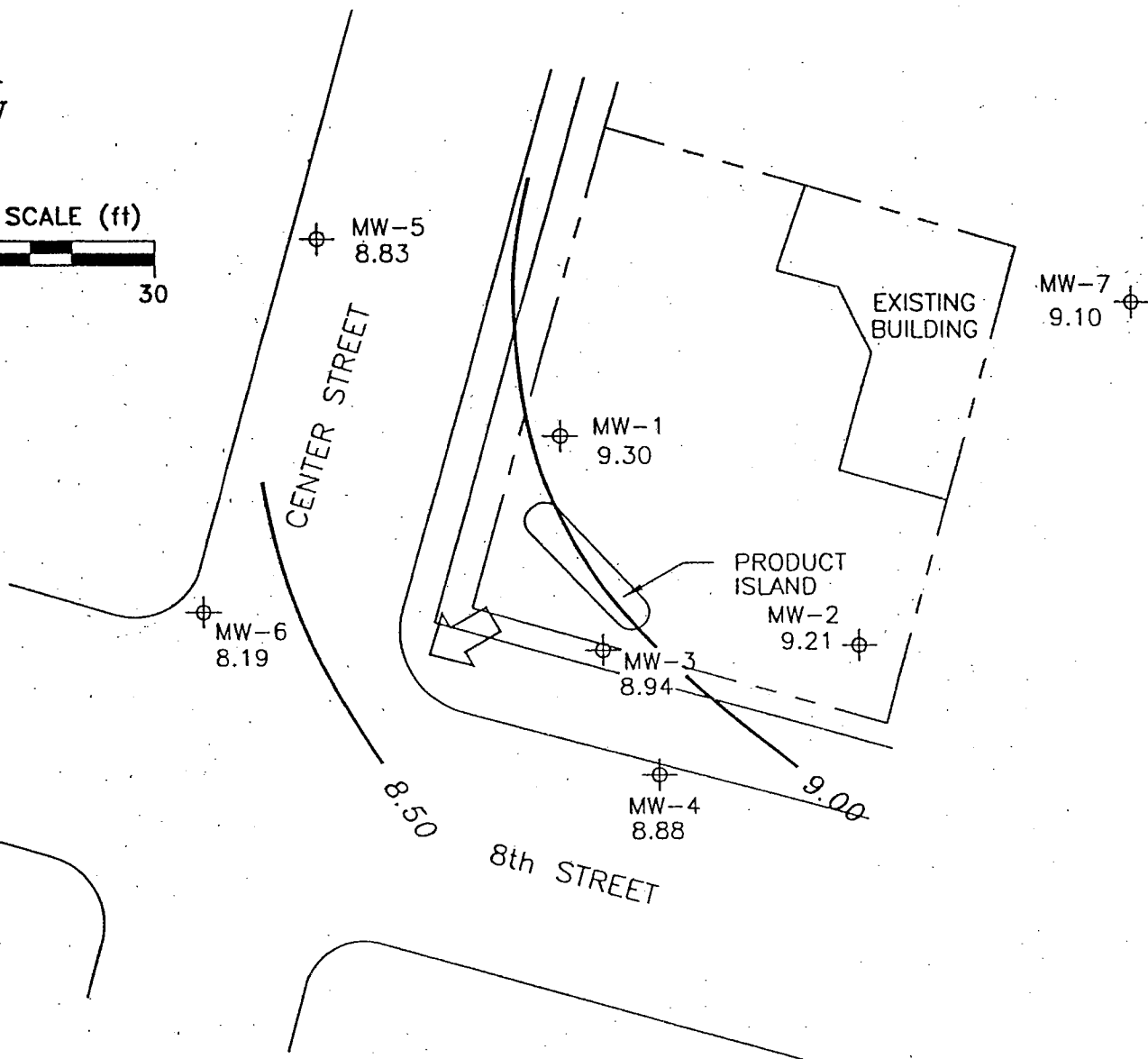
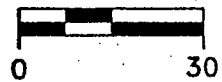
GROUNDWATER ELEVATION CONTOUR MAP,
OCTOBER 28, 1999

FIGURE:
1

PROJECT:
DAC04



SCALE (ft)



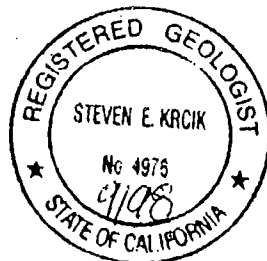
EXPLANATION

⊕ MONITORING WELL

8.88 GROUNDWATER ELEVATION (FT, MSL)

8.50 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)

↖ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.01



Memop from Ron Archer Engineer Inc.

PREPARED BY



Former Signal Service Station S-800
800 Center Street
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP,
JANUARY 28, 1998

FIGURE:

1

PROJECT:

DAC04

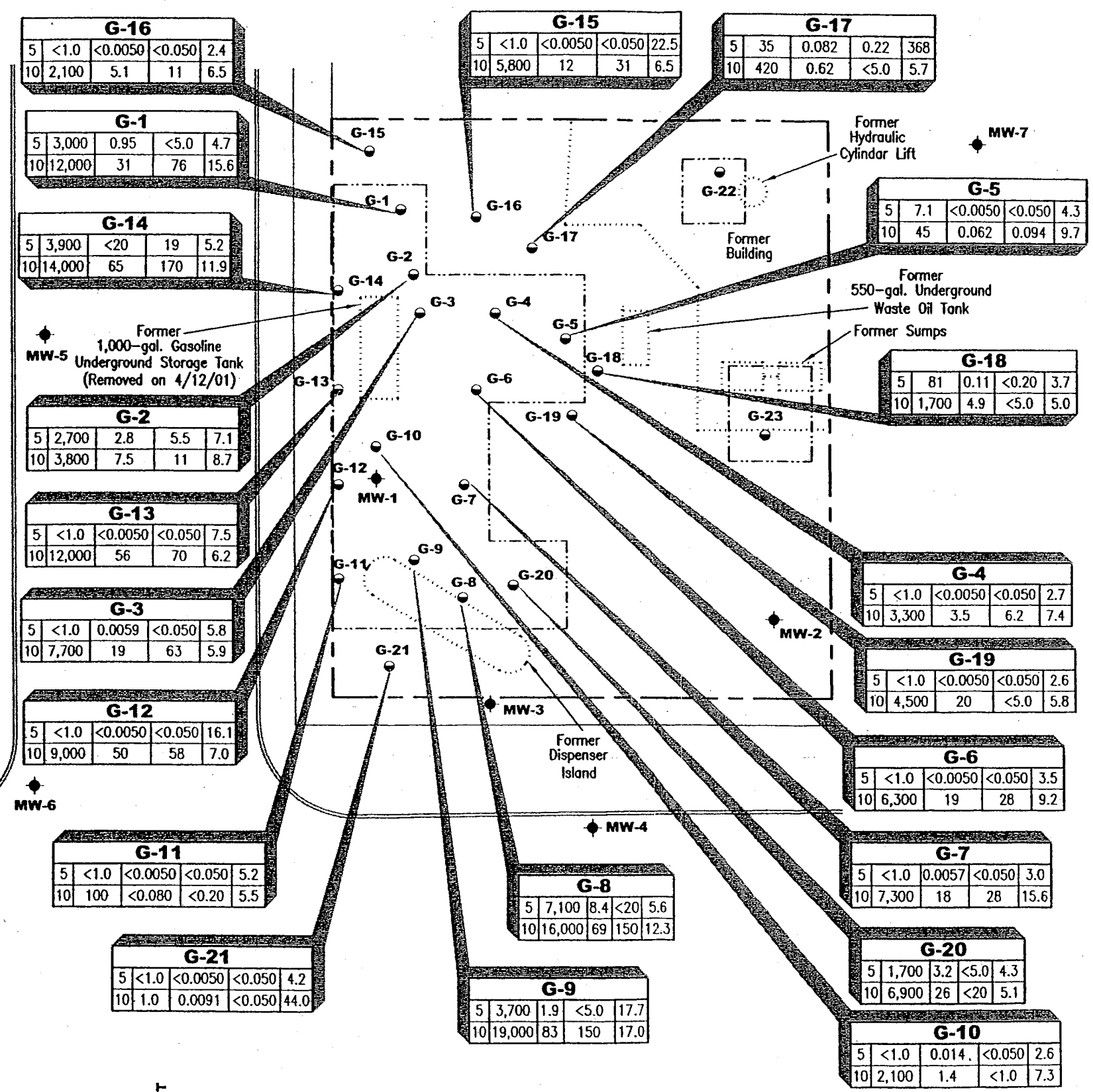
EXPLANATION

- ◆ Groundwater monitoring well
- Geoprobe boring
- ▭ Proposed limit of excavation

BORING I.D.

Depth	TPH(G)	B	MTBE	TPb
-------	--------	---	------	-----

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

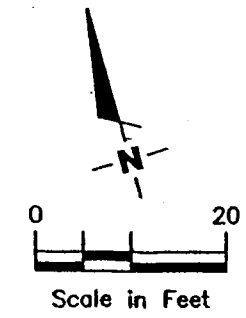


CONCENTRATION MAP
Former Chevron (Signal Oil) Service Station No. 20-6145
800 Center Street
Oakland, California

DATE: June 21, 2002
REVISED DATE:

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

PROJECT NUMBER: DG26145G.4CT1
FILE NAME: P:\Environ\Chevron\206145\01-20-6145.DWG | Layout Tab: Con2 7-02



8TH STREET

CENTER STREET

Sidewalk

Appartments

Church

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

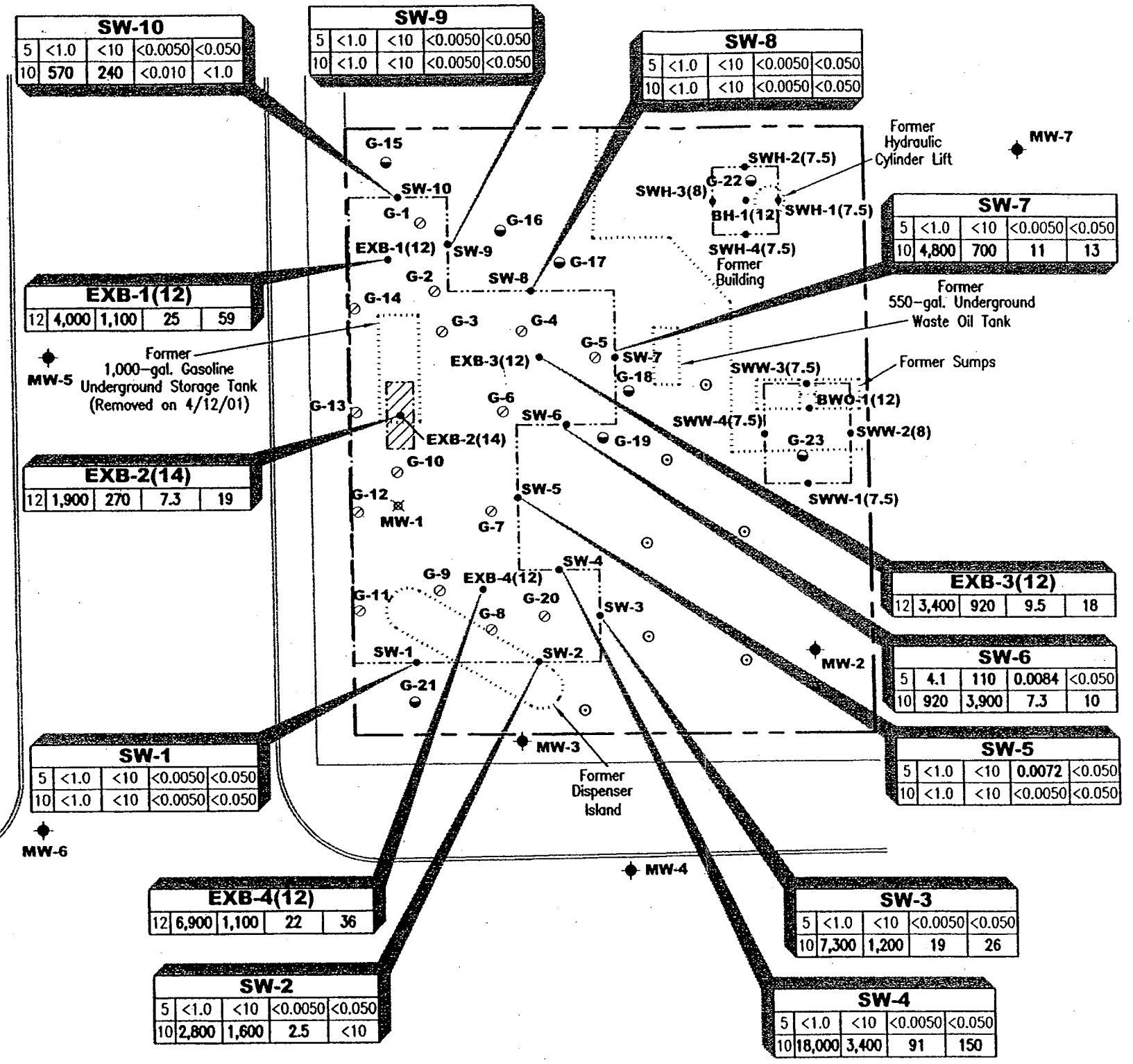
EXPLANATION

- ◆ Groundwater monitoring well
- ⊗ Destroyed groundwater monitoring well
- Geoprobe boring
- Geoprobe boring removed by overexcavation on 11/14-18/02
- Soil sample location
- ⊙ Proposed soil boring
- Limit of excavation to 12 feet bgs
- ▨ Limit of excavation to 14 feet bgs

SAMPLE I.D.

Depth	TPH(G)	TPH(D)	B	MTBE
-------	--------	--------	---	------

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



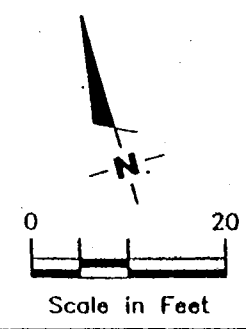
POST-OVER-EXCAVATION/SOIL SAMPLE CONCENTRATION MAP
 Former Chevron (Signal Oil) Service Station No. 20-6145
 800 Center Street
 Oakland, California

DATE: November 14, 15, 16 & 18, 2002
 REVISED DATE:

8TH STREET

CENTER STREET

Sidewalk
 Apartments



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

PROJECT NUMBER: DG261451.5C01
 FILE NAME: P:\VENUES\2006\206145\20-6145.DWG | Layout Tab: Cont-5 4-03

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

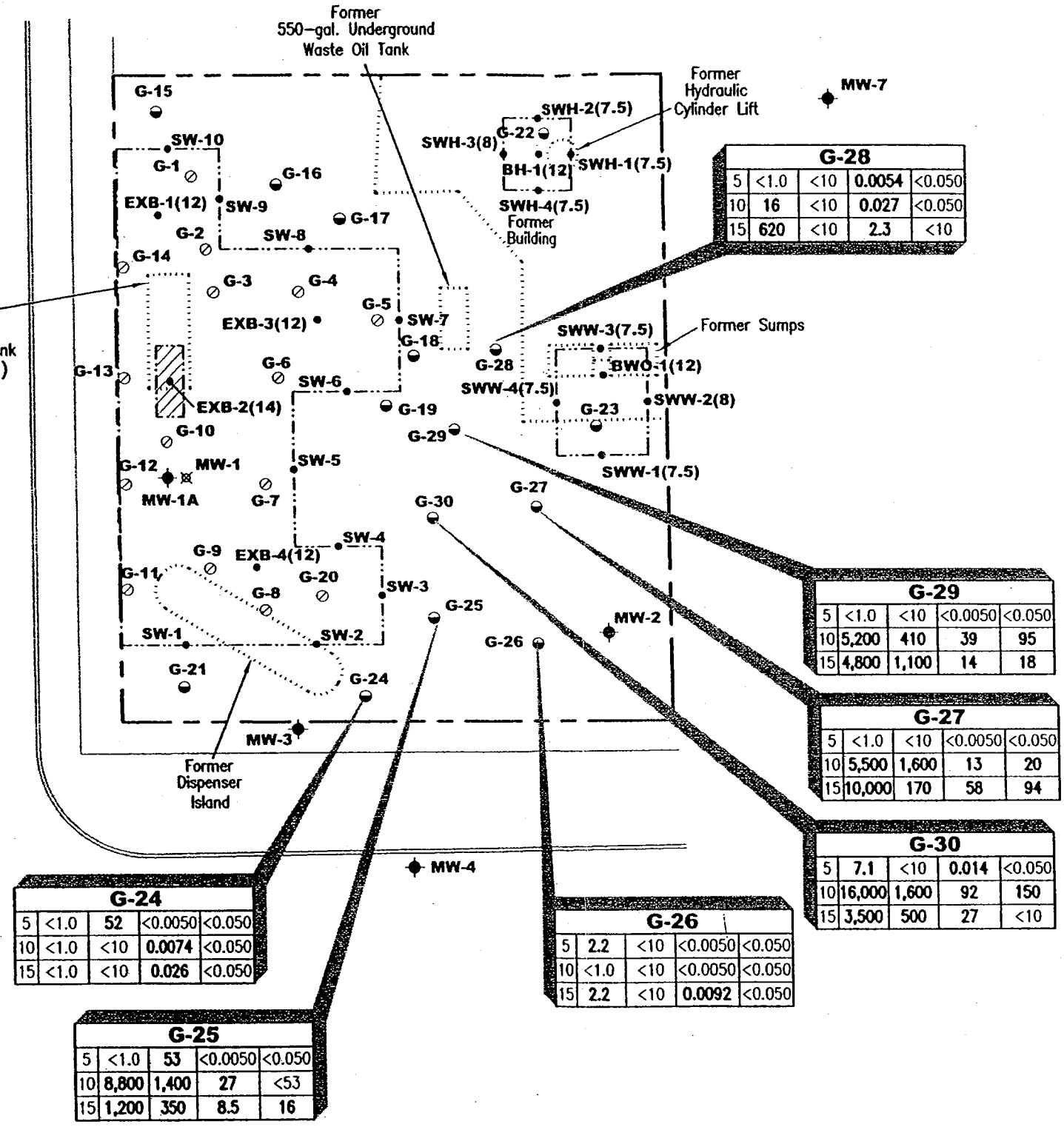
EXPLANATION

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

SAMPLE I.D.

Depth	TPH(G)	TPH(D)	B	MTBE
-------	--------	--------	---	------

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



G-24

5	<1.0	52	<0.0050	<0.050
10	<1.0	<10	0.0074	<0.050
15	<1.0	<10	0.026	<0.050

G-25

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

G-26

5	2.2	<10	<0.0050	<0.050
10	<1.0	<10	<0.0050	<0.050
15	2.2	<10	0.0092	<0.050

G-27

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

G-29

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

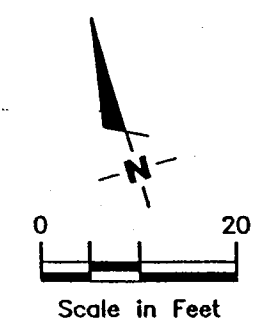
G-28

5	<1.0	<10	0.0054	<0.050
10	16	<10	0.027	<0.050
15	620	<10	2.3	<10

8TH STREET

CENTER STREET

Sidewalk
 Appartments

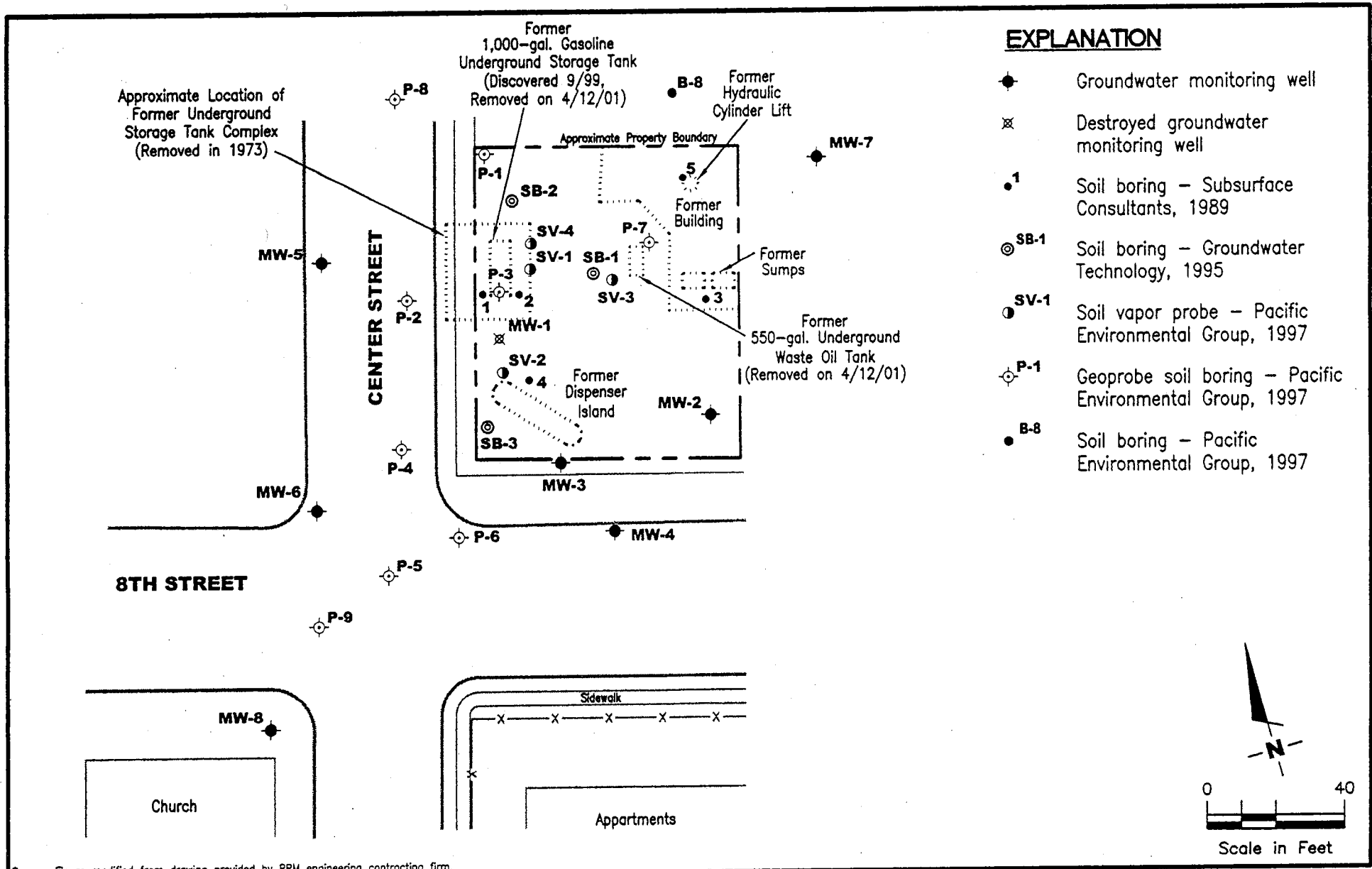


Source: Figure modified from drawing provided by RRM engineering contracting firm and Gettler-Ryan field observation.

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

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

PROJECT NUMBER: DG261451.4CT1
 FILE NAME: P:\ENVR0\CHEVRON\206145\A01-20-6145.DWG | Layout Tab: Con1-S 4-03
 DATE: January 29, 2003
 REVISION DATE:



EXPLANATION

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

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

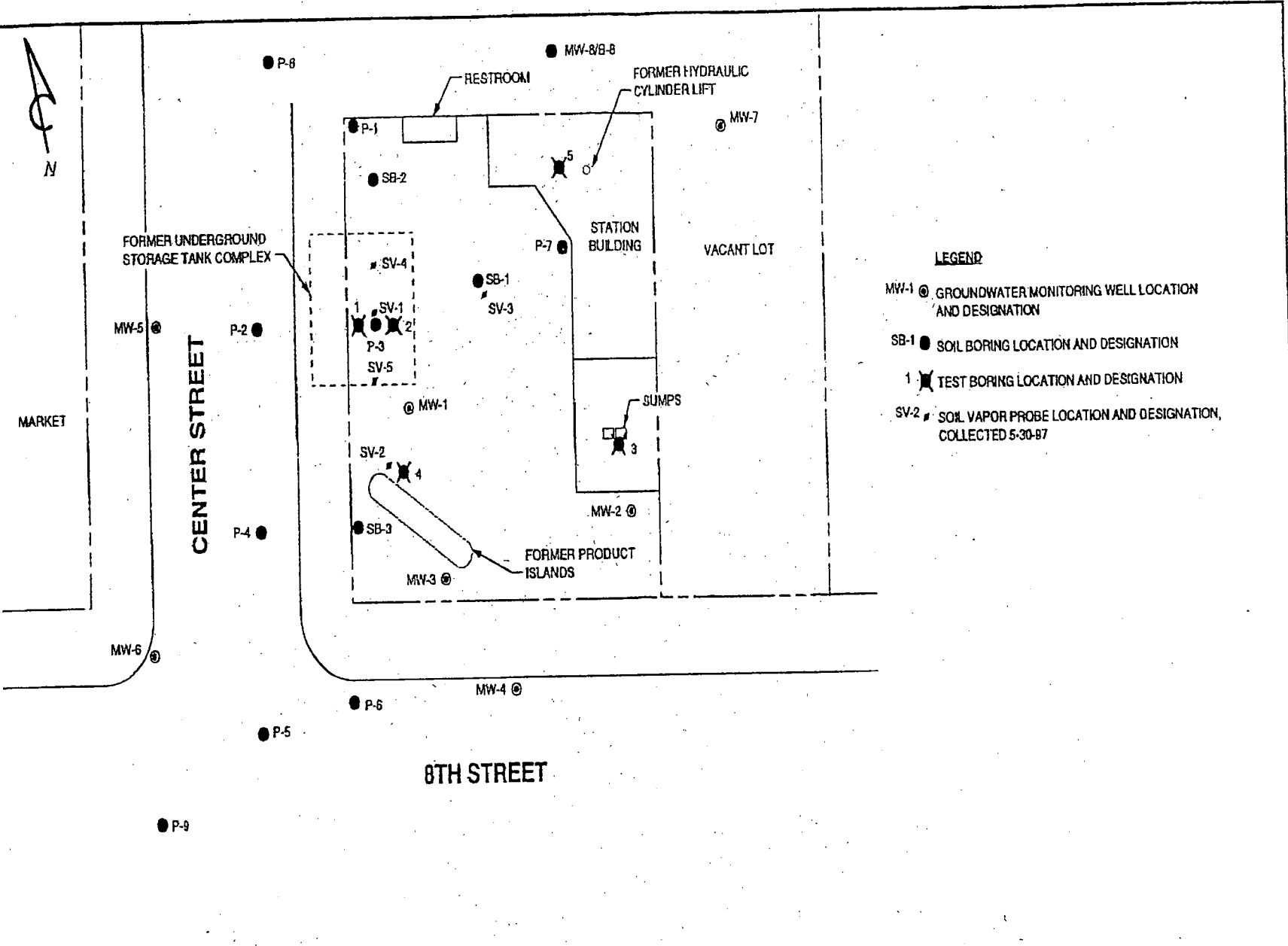
FIGURE

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

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

2

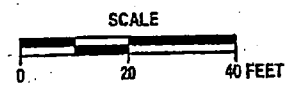
PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
DG261451.5C01		1/03	



LEGEND

- MW-1 ⊙ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- SB-1 ● SOIL BORING LOCATION AND DESIGNATION
- 1 ⊠ TEST BORING LOCATION AND DESIGNATION
- SV-2 ■ SOIL VAPOR PROBE LOCATION AND DESIGNATION, COLLECTED 5-30-87

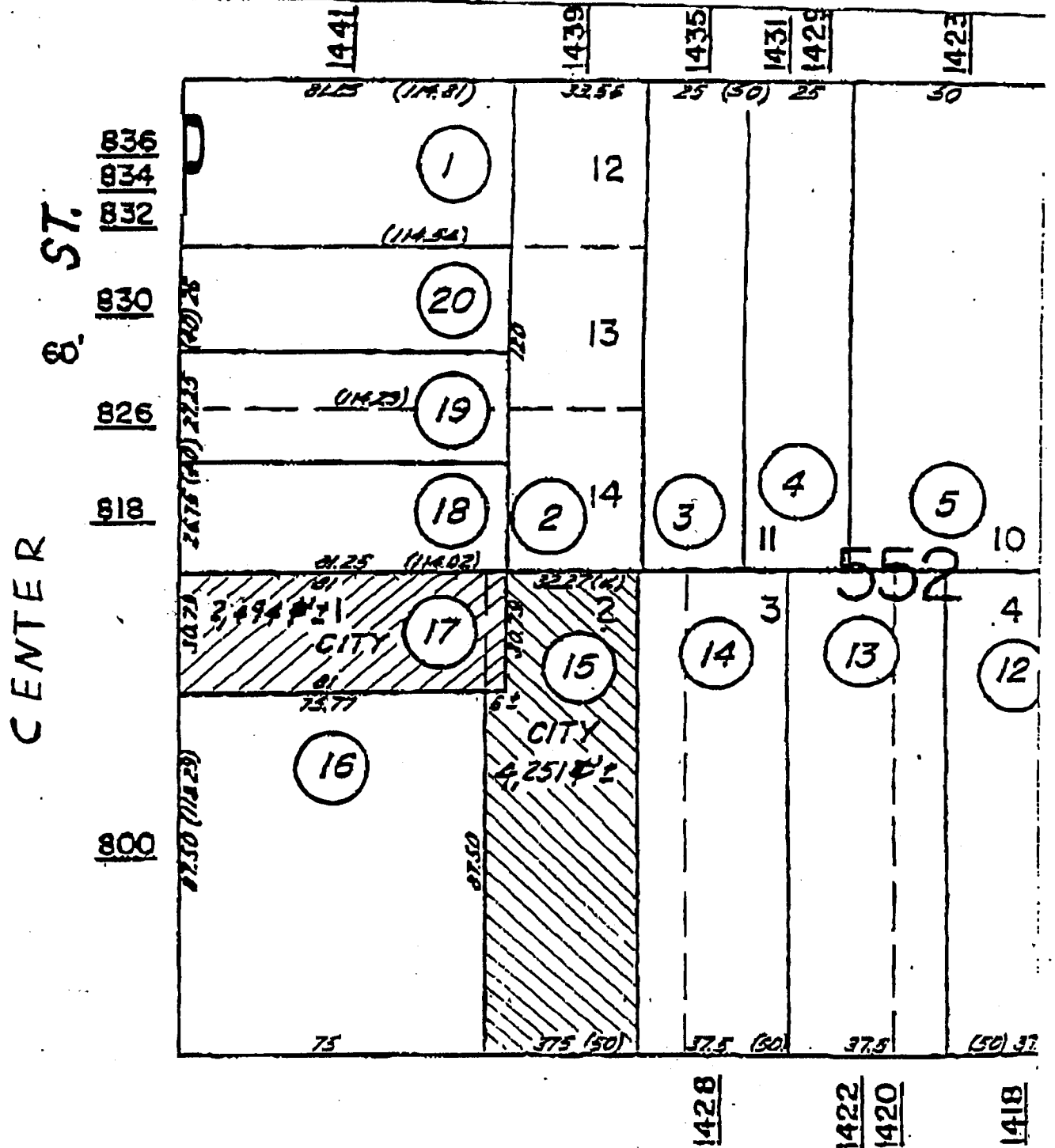
SOURCE: MAP BY GROUNDWATER TECHNOLOGY; DATED: 3-7-95



FORMER SIGNAL SERVICE STATION S0800
800 Center Street at 8th Street
Oakland, California

SITE MAP

FIGURE:
2
PROJECT:
320-162.1C



8 TH COMMUNITY & ECONOMIC DEVELOPMENT CMT'E
MAR 23 2004

SITE MAP -14

ATTACHMENT C
Soil Analytical Data

CONESTOGA-ROVERS & ASSOCIATES

**Table 1. Analytic Results for Soil - Former Signal Oil Service Station 20-6145,
800 Center Street, Oakland, CA**

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram (mg/kg)								
MW-9	4/9/07	14.5	<4.0	1.6	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	19.5	<4.0	7.1	0.001	<0.001	0.001	0.001
MW-9	4/9/07	24.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	29.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-9	4/9/07	34.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-9	4/9/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	41.5	<4.0	2.5	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	44.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-10	4/10/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-10	4/10/07	59.5	<4.0	<1.0	<0.0005	0.003	<0.001	0.005
MW-11	4/9/07	9.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	14.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	19.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	24.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	29.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	34.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-11	4/9/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	44.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-12	4/10/07	59.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	9.0	33	3,400	0.23	35	34	180
MW-14	4/11/07	14.5	13	880	0.062	0.12	0.12	0.12
MW-14	4/11/07	19.5	<4.0	7.3	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	24.5	<4.0	1.2	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	29.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-14	4/11/07	34.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-14	4/11/07	39.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	44.5	<4.0	2.1	0.0005	0.004	<0.001	0.004
MW-14	4/11/07	49.5	<4.0	1.5	0.004	0.011	0.005	0.024
MW-14	4/11/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-14	4/11/07	59.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	9.5	710	7,300	7.2	330	150	650
MW-17	4/13/07	14.5	<4.0	1.5	0.003	0.002	0.002	0.005
MW-17	4/13/07	19.5	<4.0	<1.0	<0.0005	0.004	0.002	0.001
MW-17	4/13/07	24.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	29.5	<4.0	<1.0	<0.0005	0.002	<0.001	0.001
MW-17	4/13/07	34.5	<4.0	<1.0	<0.0005	0.001	<0.001	<0.001
MW-17	4/13/07	39.5	<4.0	<1.0	<0.0005	0.003	<0.001	0.003
MW-17	4/13/07	44.5	<4.0	3.1	0.002	0.032	0.014	0.032

CONESTOGA-ROVERS & ASSOCIATES

**Table 1. Analytic Results for Soil - Former Signal Oil Service Station 20-6145,
800 Center Street, Oakland, CA**

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in milligrams per kilogram (mg/kg)								
MW-17	4/13/07	49.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	54.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	59.5	<4.0	<1.0	0.0006	0.004	<0.001	0.001
MW-17	4/13/07	64.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	69.5	<4.0	<1.0	<0.0005	<0.001	<0.001	<0.001
MW-17	4/13/07	74.5	<4.0	<1.0	<0.0005	0.002	<0.001	<0.001

Abbreviations/Notes:

Total Petroleum Hydrocarbons as diesel (TPHd) by EPA Method 8015M w/ silca gel cleanup

Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

fbg = feet below grade

<x = Not detected above method detection limit

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Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg											
CPT-1	10/6/04	10.5	860	5,300	10	230	92	460	<0.62	<1.2	<1.2
CPT-1	10/6/04	14.5	<10.0	2	0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-1	10/6/04	25.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-1	10/6/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-1	10/6/04	35	<10.0	<1.0	0.0005	0.005	0.004	0.023	<0.0005	<0.001	<0.001
CPT-1	10/6/04	40	<10.0	<1.0	0.01	0.098	0.04	0.2	<0.0005	<0.001	<0.001
CPT-2	10/6/04	5	560	<4.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	10.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	14.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	20.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	25.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	35.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-2	10/7/04	40.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-3	10/12/04	10.5	890	9,000	1.9	200	130	660	<0.25	<0.50	<0.50
CPT-3	10/12/04	15.5	<10.0	18	0.094	0.028	0.34	0.31	<0.003	<0.005	<0.005
CPT-3	10/12/04	20.5	<10.0	14	0.002	0.003	0.01	0.025	<0.0005	<0.001	<0.001
CPT-3	10/12/04	25.5	<10.0	1.3	0.001	0.009	0.001	0.005	<0.0005	<0.001	<0.001
CPT-3	10/12/04	29.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-3	10/12/04	35.5	<10.0	3.3	0.013	0.031	<0.001	0.11	<0.0005	<0.001	<0.001
CPT-3	10/12/04	40.5	<10.0	4.5	0.008	0.032	0.002	0.13	<0.0005	<0.001	<0.001
CPT-4	10/6/04	5	46	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-4	10/8/04	10.5	<10.0	1.2	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-4	10/8/04	14.5	<10.0	<1.0	<0.0005	0.005	0.001	0.005	<0.0005	<0.001	<0.001
CPT-4	10/8/04	20.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-4	10/8/04	25.5	<10.0	<1.0	<0.0005	0.002	<0.001	0.002	<0.0005	<0.001	<0.001
CPT-4	10/8/04	29.5	<10.0	<1.0	<0.0005	0.004	0.001	0.005	<0.0005	<0.001	<0.001
CPT-4	10/8/04	35.5	<10.0	<1.0	<0.0005	0.001	<0.001	0.001	<0.0005	<0.001	<0.001
CPT-4	10/8/04	40.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg											
CPT-5	10/11/04	5	<10.0	1.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-5	10/11/04	9.5	530	7,200	13	260	100	550	<0.25	<0.50	1.5
CPT-5	10/11/04	15.5	<10.0	140	<0.063	<0.13	<0.13	0.13	<0.063	<0.13	<0.13
CPT-5	10/11/04	25.5	22	7.6	0.081	0.75	0.12	0.74	<0.0005	<0.001	<0.001
CPT-5	10/11/04	29.5	<10.0	13	0.0005	0.005	0.002	0.01	<0.0005	<0.001	<0.001
CPT-5	10/11/04	35.5	<10.0	<1.0	<0.0005	0.006	0.003	0.015	<0.0005	<0.001	<0.001
CPT-5	10/11/04	50.5	<10.0	4.8	<0.0005	0.003	0.002	0.01	<0.0005	<0.001	<0.001
CPT-5	10/11/04	69.5	<10.0	<1.0	<0.0005	0.001	<0.001	0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	5	<10.0	2.8	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	10	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	5	450	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	10	67	<1.0	<0.0005	0.002	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	20	13	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	24.5	<10.0	<1.0	<0.0005	0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-3	11/1/04	10	640	4,800	0.75	94	66	310	<0.63	<1.3	<1.3
C-3	11/1/04	15	22	9.7	<0.001	<0.002	0.003	0.005	<0.001	<0.002	<0.002
C-3	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-3	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/1/04	5	160	9.2	0.001	0.008	<0.001	0.003	<0.0005	<0.001	<0.001
C-4	11/2/04	10	1,000	6,300	11	410	200	780	<0.63	<1.3	<1.3
C-4	11/2/04	15	<10.0	3.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/1/04	5	160	1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	10	330	2.3	<0.0005	0.002	<0.001	0.002	<0.0005	<0.001	<0.001
C-5	11/2/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001

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Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg											
CPT-5	10/11/04	5	<10.0	1.5	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
CPT-5	10/11/04	9.5	530	7,200	13	260	100	550	<0.25	<0.50	1.5
CPT-5	10/11/04	15.5	<10.0	140	<0.063	<0.13	<0.13	0.13	<0.063	<0.13	<0.13
CPT-5	10/11/04	25.5	22	7.6	0.081	0.75	0.12	0.74	<0.0005	<0.001	<0.001
CPT-5	10/11/04	29.5	<10.0	13	0.0005	0.005	0.002	0.01	<0.0005	<0.001	<0.001
CPT-5	10/11/04	35.5	<10.0	<1.0	<0.0005	0.006	0.003	0.015	<0.0005	<0.001	<0.001
CPT-5	10/11/04	50.5	<10.0	4.8	<0.0005	0.003	0.002	0.01	<0.0005	<0.001	<0.001
CPT-5	10/11/04	69.5	<10.0	<1.0	<0.0005	0.001	<0.001	0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	5	<10.0	2.8	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	10	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-1	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	5	450	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	10	67	<1.0	<0.0005	0.002	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	20	13	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-2	11/1/04	24.5	<10.0	<1.0	<0.0005	0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-3	11/1/04	10	640	4,800	0.75	94	66	310	<0.63	<1.3	<1.3
C-3	11/1/04	15	22	9.7	<0.001	<0.002	0.003	0.005	<0.001	<0.002	<0.002
C-3	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-3	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/1/04	5	160	9.2	0.001	0.008	<0.001	0.003	<0.0005	<0.001	<0.001
C-4	11/2/04	10	1,000	6,300	11	410	200	780	<0.63	<1.3	<1.3
C-4	11/2/04	15	<10.0	3.1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-4	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/1/04	5	160	1	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	10	330	2.3	<0.0005	0.002	<0.001	0.002	<0.0005	<0.001	<0.001
C-5	11/2/04	15	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-5	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001

Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB
Concentrations reported in milligrams per kilogram - mg/kg											
C-6	11/2/04	10	94	880	<0.063	3.8	6.9	36	<0.063	<0.13	<0.13
C-6	11/2/04	15	<10.0	27	<0.002	<0.005	0.11	0.052	<0.002	<0.005	<0.005
C-6	11/2/04	20	<10.0	4.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-6	11/2/04	24.5	<10.0	<1.0	<0.0005	0.003	<0.001	0.001	<0.0005	<0.001	<0.001
C-7	11/1/04	10	520	<10	<0.0005	0.003	<0.001	0.002	<0.0005	<0.001	<0.001
C-7	11/1/04	15	39	1,100	<0.063	1.9	5.7	33	<0.063	<0.13	<0.13
C-7	11/1/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-7	11/1/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-8	11/1/04	5	38	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-8	11/2/04	10	1,200	6,200	20	590	240	990	<0.62	<1.2	2.5
C-8	11/2/04	15	<10.0	19	0.001	<0.002	0.003	0.002	<0.001	<0.002	<0.002
C-8	11/2/04	20	<10.0	2.7	<0.0005	<0.001	<0.001	0.001	<0.0005	<0.001	<0.001
C-8	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-9	11/1/04	5	47	<4.0	<0.0005	0.003	<0.001	<0.001	<0.0005	<0.001	<0.001
C-9	11/2/04	10	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-9	11/2/04	15	<10.0	<1.0	<0.0005	0.002	<0.001	0.002	<0.0005	<0.001	<0.001
C-9	11/2/04	20	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001
C-9	11/2/04	24.5	<10.0	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

1,2-Dichloroethane (1,2 DCA) by EPA Method 8260B

1,2-Dibromoethane (EDB) by EPA Method 8260B

<x = Not detected above method detection limit

fbg = Feet below grade

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
G-1(5)	6/21/2002	5.00	3,000	0.95	46	52	240	<5.0	4.7
G-1(10)	6/21/2002	10	12,000	31	660	290	1,100	76	15.6
G-2(5)	6/21/2002	5	2,700	2.8	84	77	310	5.5	7.1
G-2(10)	6/21/2002	10	3,800	7.5	200	120	500	11	8.7
G-3(5)	6/21/2002	5	<1.0	0.0059	0.049	0.016	0.057	<0.050	5.8
G-3(10)	6/21/2002	10	7,700	19	520	290	1,100	63	5.9
G-4(5)	6/21/2002	5	<1.0	<0.0050	0.021	0.0056	0.027	<0.050	2.7
G-4(10)	6/21/2002	10	3,300	3.5	140	120	480	6.2	7.4
G-5(5)	6/21/2002	5	7.1	<0.0050	0.041	0.022	0.064	<0.050	4.3
G-5(10)	6/21/2002	10	45	0.062	0.58	0.62	2.4	0.094	9.7
G-6(5)	6/21/2002	5	<1.0	<0.0050	0.0069	0.0054	0.022	<0.050	3.5
G-6(10)	6/21/2002	10	6,300	19	360	190	900	28	9.2
G-7(5)	6/21/2002	5	<1.0	0.0057	0.045	0.012	0.046	<0.050	3.0
G-7(10)	6/21/2002	10	7,300	18	420	250	1,100	28	15.6
G-8(5)	6/21/2002	5	7,100	8.4	280	210	960	<20	5.6
G-8(10)	6/21/2002	10	16,000	69	1,100	470	1,900	150	12.3
G-9(5)	6/21/2002	5	3,700	1.9	54	57	350	<5.0	17.7
G-9(10)	6/21/2002	10	19,000	83	1,200	520	2,200	150	17.0
G-10(5)	6/21/2002	5	<1.0	0.014	0.073	0.012	0.052	<0.050	2.6
G-10(10)	6/21/2002	10	2,100	1.4	32	52	270	<1.0	7.3
G-11(5)	6/21/2002	5	<1.0	<0.0050	0.035	0.019	0.084	<0.050	5.2
G-11(10)	6/21/2002	10	100	<0.080	0.43	0.53	3.1	<0.20	5.5
G-12(5)	6/21/2002	5	<1.0	<0.0050	0.034	0.010	0.057	<0.050	16.1
G-12(10)	6/21/2002	10	9,000	50	540	240	1,200	58	7.0
G-13(5)	6/21/2002	5	<1.0	<0.0050	0.0062	<0.0050	0.019	<0.050	7.5
G-13(10)	6/21/2002	10	12,000	56	600	290	1,400	70	6.2
G-14(5)	6/21/2002	5	3,900	<20	190	120	510	19	5.2
G-14(10)	6/21/2002	10	14,000	65	940	400	1,700	170	11.9

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
G-15(5)	6/21/2002	5	<1.0	<0.0050	0.020	<0.0050	0.017	<0.050	22.5
G-15(10)	6/21/2002	10	5,800	12	320	110	450	31	6.5
G-16(5)	6/21/2002	5	<1.0	<0.0050	0.015	<0.0050	<0.015	<0.050	2.4
G-16(10)	6/21/2002	10	2,100	5.1	110	52	230	11	6.5
G-17(5)	6/21/2002	5	35	0.082	0.78	0.54	1.2	0.22	368
G-17(10)	6/21/2002	10	420	0.62	9.2	9.9	41	<5.0	5.7
G-18(5)	6/21/2002	5	81	0.11	1.1	0.76	2.6	<0.20	3.7
G-18(10)	6/21/2002	10	1,700	4.9	68	51	220	<5.0	5.0
G-19(5)	6/21/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	2.6
G-19(10)	6/21/2002	10	4,500	20	230	110	450	<5.0	5.8
G-20(5)	6/21/2002	5	1,700	3.2	31	30	140	<5.0	4.3
G-20(10)	6/21/2002	10	6,900	26	360	200	860	<20	5.1
G-21(5)	6/21/2002	5	<1.0	<0.0050	0.016	<0.0050	0.016	<0.050	4.2
G-21(10)	6/21/2002	10	1.0	0.0091	0.18	0.055	0.23	<0.050	44.0

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 modified

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

MTBE = Methyl tert-butyl ether by EPA Method 8021

Total Lead By EPA Method 6010B

EXPLANATION:

ppm = parts per million

NR = Not Requested

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 2 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	TPHg (ppm)	TPHd (ppm)	TPHho (ppm)	TOG (ppm)	MTBE (ppm)
G-22(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	0.063	0.47	0.28	2.0	---	---	8,200	---	<0.50
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.0050	0.012	<0.0050	0.017	<1.0	<10	---	310	<0.050

EXPLANATION:

ppm = parts per million

--- = not analyzed

¹ = Composite Sample**ANALYTICAL LABORATORY:**

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

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

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015M

TPHd = Total Petroleum Hydrocarbons as diesel according to EPA Method 8015M

TPHho = Total Petroleum Hydrocarbons as hydraulic oil according to EPA Method 8015M

TOG = Total Oil and Grease by EPA Method 8260

MTBE = Methyl tert-butyl ether By EPA Method 8021

TABLE 3 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depths (in feet)	SVOC (ppm)	HVOC (ppm)	Soluble Lead ² (ppm)	Total Cadmium (ppm)	Total Chromium (ppm)	Total Lead (ppm)	Total Nickel (ppm)	Total Zinc (ppm)
G-22(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	---	---	4.51	<0.091	37.8	87.1	27.8	52.4
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.033 - <0.17	<0.0010 - <0.0020	---	<0.088	41.0	6.7	36.1	23.2

EXPLANATION:

ppm = parts per million

--- = not analyzed

¹ = Composite Sample

² = STLC (soluble threshold limit concentration)

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

SVOC = Semi Volatile Organic Compounds By EPA Method 8270

HVOC = Halogenated Volatile Organic Compounds By EPA Method 8260

Cadmium, Chromium, Lead, Nickel, Zinc By EPA Method 6010B

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

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

ANALYTICAL METHOD:

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

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

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

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

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

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

ANALYTICAL METHOD:

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

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

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

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

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 2 - SOIL PHYSICAL PARAMETERS

Former Chevron Service Station

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	Moisture Content %	Porosity	Soil pH	Grain	
						Sand %	Fine %
G-24(8)	1/29/2003	8	15.75	34.10	7.82	64.77	34
G-27(14)	1/29/2003	14	18.74	32.97	7.07	69.06	30

EXPLANATION:

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

ANALYTICAL METHOD:

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

TABLE 4 - POST-OVER-EXCAVATION SOIL- SAMPLE CHEMICAL ANALYTICAL DATA - DISPENSER ISLAND AND GASOLINE UST AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
SAMPLES FROM SIDEWALLS OF OVEREXCAVATION									
SW-1(5)	11/15/2002	5	<1.0	<10	<0.0050	0.0073	<0.0050	0.017	<0.050
SW-1(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-2(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0088	<0.0050	<0.015	<0.050
SW-2(10)	11/18/2002	10	2,800	1,600	2.5	75	52	250	<10
SW-3(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0089	<0.0050	0.021	<0.050
SW-3(10)	11/18/2002	10	7,300	1,200	19	330	170	650	26
SW-4(5)	11/18/2002	5	<1.0	<10	<0.0050	0.0081	<0.0050	<0.015	<0.050
SW-4(10)	11/18/2002	10	18,000	3,400	91	1,200	440	1,900	150
SW-5(5)	11/16/2002	5	<1.0	<10	0.0072	0.039	0.0057	0.022	<0.050
SW-5(10)	11/16/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-6(5)	11/16/2002	5	4.1	110	0.0084	0.15	0.079	0.41	<0.050
SW-6(10)	11/16/2002	10	3,900	920	7.3	140	110	450	10
SW-7(5)	11/15/2002	5	<1.0	<10	<0.0050	0.011	<0.0050	<0.015	<0.050
SW-7(10)	11/15/2002	10	4,800	700	11	250	130	540	13
SW-8(5)	11/15/2002	5	<1.0	<10	<0.0050	0.016	<0.0050	<0.015	<0.050
SW-8(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-9(5)	11/15/2002	5	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-9(10)	11/15/2002	10	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-10(5)	11/15/2002	5	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SW-10(10)	11/15/2002	10	570	240	<0.10	0.66	3.7	21	<1.0

TABLE 4 - POST-OVER-EXCAVATION SOIL- SAMPLE CHEMICAL ANALYTICAL DATA - DISPENSER ISLAND AND GASOLINE UST AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
<u>SAMPLES FROM BASE OF OVEREXCAVATION</u>									
EXB-1(12)	11/14/2002	12	4,000	1,100	25	230	87	380	59
EXB-2(14)	11/15/2002	14	1,900	270	7.3	71	42	200	19
EXB-3(12)	11/16/2002	12	3,400	920	9.5	170	86	370	18
EXB-4(12)	11/16/2002	12	6,900	1,100	22	310	150	640	36

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by Luft Method
 TPHd = Total Petroleum Hydrocarbons as diesel by Luft Method
 Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021B
 MTBE = Methyl tert-butyl ether by EPA Method 8021B

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

TABLE 5 - POST-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA - HYDRAULIC CYLINDER LIFT AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (feet)	TPHmo (ppm)	TPHho (ppm)
SWH-1(7.5)	11/16/2002	7.5	<10	<10
SWH-2(7.5)	11/16/2002	7.5	<10	<10
SWH-3(8)	11/16/2002	8	<10	<10
SWH-4(7.5)	11/16/2002	7.5	<10	<10
<u>SAMPLE FROM BASE OF OVEREXCAVATION</u>				
BH-1(12)	11/16/2002	12	<10	<10

EXPLANATION:

ppm = parts per million

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

TPHmo = Total Petroleum Hydrocarbons as Motor Oil EPA Method 8015B modified

TPHho = Total Petroleum Hydrocarbons as hydraulic oil according to EPA Method 8015B modified

TABLE 6 - POST-OVER-EXCAVATION - SOIL SAMPLE CHEMICAL ANALYTICAL DATA - SUMP AREA

Former Chevron Service Station No. 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depths (feet)	TPHg (ppm)	TPHd (ppm)	TOG (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
SWW-1(7.5)	11/18/2002	7.5	--	--	<230	--	--	--	--	--
SWW-2(8)	11/18/2002	8	--	--	<230	--	--	--	--	--
SWW-3(7.5)	11/18/2002	7.5	--	--	<230	--	--	--	--	--
SWW-4(7.5)	11/18/2002	7.5	--	--	<230	--	--	--	--	--
<u>SAMPLE FROM BASE OF OVEREXCAVATION</u>										
BWO-1(12)*	11/18/2002	12	<1.0	<10	<230	0.37	46.4	3.9	32.8	50

EXPLANATION:

ppm = parts per million

-- = Not Analyzed

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by Luft Method

TPHd = Total Petroleum Hydrocarbons as diesel by Luft Method

TOG = Total Oil and Grease by EPA Method 5520 D&E

Cadmium, Chromium, Lead, Nickel and Zinc by EPA Method 6010B

* = EPA Method 8260 and 8270 analysis showed no detectable concentration for all analytes except for bis (2-ethylhexel) phthalate (0.10 mg/kg) and methylene Chloride (0.0044 mg/kg).

TABLE 1- SOIL CHEMICAL ANALYTICAL DATA

Former Chevron Service Station Number 20-6145

800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	TPHg (ppm)	TPHd (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)	Total lead (ppm)
MW-8 (11)	1/9/02	11	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050	---
MW-8(15)	1/9/02	15	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050	---
MW-8(20)	1/9/02	20	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050	---
SP1-Comp	1/9/02	N/A	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.015	<0.050	2.7

EXPLANATION:

ppm = parts per million

--- = analysis not requested

N/A = not applicable

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by California LUFT Method

TPHd = Total Petroleum Hydrocarbons as diesel by California LUFT Method

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8020A

MtBE = Methyl tert-butyl ether by EPA Method 8020A

Total Lead by EPA Method 6010B

Table 1. Soil Chemical Analytical Data
Former Chevron (Signal Oil) Service Station # 20-6145
800 Center Street
Oakland, California

Sample ID	Sample Date	Sample Depth (feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	MTBE (ppm)	Lead (ppm)	TPHd (ppm)	O&G (ppm)	VOCs (ppm)	SVOs (ppm)
<u>Gasoline UST Pit</u>													
A-1	4/12/01	8.5	630 ¹	10	4.4	15	48	<5.0	NR	NR	NR	NR	NR
A-2	4/12/01	8.5	32 ¹	0.11	0.04	0.37	0.98	0.38	NR	NR	NR	NR	NR
<u>Waste Oil UST Pit</u>													
WOT	4/12/01	8	10 ¹	0.0092	0.040	0.058	0.24	0.058	<1.0 ³	3.2 ²	110	ND	ND

Explanation

TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
BTEX = Benzene, toluene, ethylbenzene, and xylenes
MTBE = Methyl tert-butyl ether
O&G = Oil and Grease
VOCs = Volatile organic compounds
SVOs = Semi-volatile organics
ND = None of the constituent compounds were detected
NR = Analysis not requested
ppm = Parts per million

Analytical Methods

TPHg/Benzene/MTBE = EPA Methods 5030/8015 Mod
TPHd = EPA Methods 3550/8015 Mod
O&G = Standard Method 5520E&F
VOCs = EPA Method 8010B
SVOs = EPA Method 8270C
metals = EPA 6000/7000 Series Methods

Analytical Laboratory

Sequoia Analytical (ELAP #1271)

Notes

- ¹ Laboratory report indicates gasoline C6-C12
² Laboratory report indicates unidentified hydrocarbons C9-C40
³ Also analyzed for cadmium (<0.50 ppm), chromium (60 ppm), nickel (52 ppm), and zinc (38 ppm)

Table 2
Physical Soil Data

Former Signal Service Station 0800
800 Center Street at Eighth Street
Oakland, California

Sample ID	Sample Date	Sample Depth feet	Total Porosity %	Air Content %	Water Content %	Saturation %	pH	Foc %	Soil Density g/cc
SV-1	5/30/97	2.5	44.75	36	39.8	19.67	6.31	NT	0.068
		6	39.52	33	35.21	89.1	NT	NT	0.275
		8.5	NT	NT	NT	NT	NT	0.12	NT
		9.5	33.6	0.15	33.6	99.57	6.8	NT	0.26
SV-2	5/30/97	3	NT	NT	NT	NT	7.53	NT	NT
		3.5	NT	NT	NT	NT	NT	0.083	NT
		9	NT	NT	NT	NT	NT	0.067	NT
		10	34.02	0.95	33.1	97.21	7.03	NT	0.257
SV-3	5/30/97	3.5	46	30	18	35.01	7.58	NT	0.128
Overall Averages =			39.65	14.3	25.34	68.11	7.07	0.09	0.197
Vadose Zone Average (to 3.5 feet) =			45.57*	33*	12.4*	27.34	6.99*	NT	0.097*
Vadose Zone Average (to 6 feet) =			43.4	23.4	20	47.9	6.99	NT	0.158
NT = Not tested									
Soil Density = Dry density x moisture %									
g/cc = grams per cubic centimeter									
* = These values were used to calculate the soil vapor model risk and the construction worker RBSL									
Foc = Fraction of organic carbon									

Table 3
Analytical Soil Data

Former Signal Service Station 0800
800 Center Street at Eighth Street
Oakland, California

Soil Sample ID	Sample Date	Sample Depth	TPHg (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
SV-1	5/30/97	3	<1.0	<0.005	<0.005	<0.005	<0.005
		6	2,100	<2.5	46	57	300
		8.5	7,600	52	180	140	720
SV-2	5/30/97	3.5	<1.0	<0.005	<0.005	<0.005	<0.005
		6	11	<0.005	0.009	0.01	0.057
		9	8,000	12	420	150	710
SV-3	5/30/97	3	1.4	<0.005	0.029	0.014	0.1
		6	84	13	0.28	1.4	1.9
		9	200	54	130	83	340
SV-4	5/30/97	3	<1.0	<0.005	0.0058	<0.005	0.01
		6	13	<0.005	<0.005	<0.005	<0.005
		9	10,000	86	470	210	960
SV-5	5/30/97	3	<1.0	<0.005	<0.005	<0.005	<0.005
		6	<1.0	<0.005	<0.005	<0.005	<0.005
		9	7,000	20	410	130	690

mg/kg = Milligrams per kilograms
TPHg = Total petroleum hydrocarbons calculated as gasoline

Table 1
Soil Analytical Data
Total Petroleum Hydrocarbons
(TPPH as Gasoline and BTEX Compounds)

Former Signal Service Station S0300
800 Center Street at 8th Street
Oakland, California

Well/ Boring Number	Date Sampled	Sample Depth (feet)	TPPH as			Ethy-		
			Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	benzene (ppm)	Xylenes (ppm)	
MW-5	12/18/96	5	<1.0	<0.0050	0.016	0.0083	0.046	
		10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
MW-6	12/18/96	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
MW-7	12/18/96	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
MW-8/B-8	12/18/96	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
		15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
TPPH		= Total purgeable petroleum hydrocarbons						
ppm		= Parts per million						

Table 1
Soil Analytical Data
 Total Petroleum Hydrocarbons
 (TPPH as Gasoline BTEX Compounds and MTBE)

Former Signal Service Station S0800
 800 Center Street at 8th Street
 Oakland California

Well Number	Sample Depth (feet)	Date Sampled	TPPH as			Ethyl-benzene (ppm)	Xylenes (ppm)	MTBE (ppm)
			Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)			
P 1	6	03/22/96	ND	ND	ND	ND	ND	ND
	10		510	ND	18	97	46	ND
	17		ND	ND	ND	0.008	0.009	ND
P 2	6	03/22/96	4 000	ND	120	71	330	ND
P 3	10	03/22/96	13 000	38	780	280	1 400	ND
	16		5 400	41	310	110	1 400	ND
	20		260	37	21	6.2	27	ND
P 7	6	03/22/96	ND	ND	ND	ND	ND	ND
	10		1	ND	ND	ND	ND	ND
	15		13	ND	0.31	0.15	0.71	ND
P-8	6	03/22/96	ND	ND	ND	ND	ND	ND
	12		ND	ND	ND	0.0068	ND	ND
TPPH = Total purgeable petroleum hydrocarbons MTBE = Methyl t butyl ether ppm = Parts per million ND = Not detected See certified analytical reports for detection limits								

TABLE 1
Analytical Results of Soil Samples
 (Results expressed as milligrams per kilogram)

Former Signal Service Station No S0800
 800 Center Street
 Oakland, California

Date	Sample ID	Sample Depth (ft) ^a	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g ^b
10-17-95	MW-1-5	5	0.091	0.49	0.14	1.9	11
10-17-95	MW-1-10	10	120	800	270	1,300	14,000
10-17-95	MW-2-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-2-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-3-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	MW-3-10	10	0.24	0.010	0.016	0.019	<1.0
10-18-95	MW-4-5	5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-18-95	MW-4-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-17-95	SB-1-5	5	0.34	1.2	1.2	1.3	87
10-17-95	SB-1-10	10	72	640	240	1,100	8,100
10-17-95	SB-2-5	5	0.19	4.8	5.1	26	240
10-17-95	SB-2-10	10	28	440	150	630	4,700
10-18-95	SB-3-5	5	<0.0050	0.019	0.0087	0.049	<1.0
10-18-95	SB-3-10	10	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
10-18-95	COMP	N/A	0.036	1.5	0.75	3.2	13

^a feet below surface grade

^b total petroleum hydrocarbons as gasoline

The results of the analytical tests on the soil, sump sludge and groundwater samples are presented below

Table 1. SOIL ANALYSES

Boring No.	Sample Depth (feet)	Total Petroleum Hydrocarbons (ppm) ¹		Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Total Xylenes (ppm)
		TVH	TEH ²				
1	10	2100	6800	50	220	46	240
1	15	2400	NT	32	200	60	290
2	7	4100	14000	50	450	130	540
2	11.5	31000	NT ³	500	2800	760	3700
3	10.5	100	ND	ND ⁴	2	2	7
3	12.5	950	220	ND	44	32	130
4	7.5	5400	5100	57	250	140	610
4	10.5	5800	NT	92	360	1100	670

Boring No.	Depth feet	TOG (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Zinc (ppm)
3	3.5	ND	0.7	18	18	19
5 ⁵	3.5	16,000	NT	NT	NT	NT

¹ Parts per million

² As gasoline

³ NT = not tested

⁴ ND = Not detected, see analytical test reports for detection limits

⁵ Boring 5 identified as HA on Laboratory Test Reports

Table 2. GROUNDWATER ANALYSES

Boring No.	TVH (ppm)	TEH (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Total Xylenes (ppm)	Other EPA 624 Chemicals (ppm)
1	2600	ND	13	41	22	140	NT
3	43	ND	0.34	4.2	1.1	2.5	ND

LABORATORY NUMBER: 18154
 CLIENT: SUBSURFACE CONSULTANTS
 JOB NUMBER: 272 012
 JOB LOCATION CENTER STREET

DATE RECEIVED: 08/30/89
 DATE ANALYZED: 09/11/89
 DATE REPORTED: 09/13/89
 PAGE 3 OF 14

Total Volatile Hydrocarbons (TVH) by EPA 8015
 Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
18154-4	BORING 1 @ 10	2,100	50	220	46	240
18154-5	BORING 1 @ 15	2,400	32	200	60	290
18154-6	BORING 2 @ 7	4,100	50	450	130	540
18154-7	BORING 2 @ 11.5	31,000	500	2,800	760	3,700
18154-8	BORING 3 @ 10.5	100	ND(1)	2	2	7
18154-9	BORING 3 @ 12.5	950	ND(5)	44	32	130
18154-11	BORING 4 @ 7.5	5,400	57	250	140	610
18154-12	BORING 4 @ 10.5	5,800	92	360	1,100	670

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	<1
%RECOVERY	96

LABORATORY NUMBER: 18154
 CLIENT: SUBSURFACE CONSULTANTS
 JOB #: 272 012
 LOCATION: CENTER STREET

DATE RECEIVED: 08/30/89
 DATE ANALYZED: 09/07/89
 DATE REPORTED: 09/13/89
 PAGE 6 OF 14

Extractable Petroleum Hydrocarbons in Soils & Wastes
 EPA 8015 (Modified)
 Extraction Method: EPA 3550

LAB ID	CLIENT ID	GASOLINE (mg/Kg)	KEROSENE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
18154-4	BORING 1 @ 10	6,800	ND(100)	ND(100)	ND(100)
18154-6	BORING 2 @ 7	14,000	ND(100)	ND(100)	ND(100)
18154-8	BORING 3 @ 10.5	ND(10)	ND(10)	ND(10)	ND(10)
18154-9	BORING 3 @ 12.5	220	ND(10)	ND(10)	ND(10)
18154-10	BORING 3 @ 3.5	ND(10)	ND(10)	ND(10)	ND(10)
18154-11	BORING 4 @ 7.5	5,100	ND(100)	ND(100)	ND(100)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	11
Spike: % Recovery	95



LAB NUMBER: 18154
CLIENT: SUBSURFACE CONSULTANTS
PROJECT # : 272.012
LOCATION: CENTER STREET

DATE RECEIVED: 08/30/89
DATE ANALYZED: 09/13/89
DATE REPORTED: 09/14/89
PAGE 7 OF 14

ANALYSIS: OIL AND GREASE
METHOD: SMWW 503E

LAB ID	SAMPLE ID	RESULT	UNITS	DETECTION LIMIT
18154-10	BORING 3 @ 3.5	ND	mg/Kg	50
18154-13	BORING HA @ 3 7	16,000	mg/Kg	50

ND = NONE DETECTED.

QA/QC SUMMARY

=====
RPD, % 5
RECOVERY, % 82
=====

Table 2
Physical Soil Data

Former Signal Service Station 0800
800 Center Street at Eighth Street
Oakland, California

Sample ID	Sample Date	Sample Depth feet	Total Porosity %	Air Content %	Water Content %	Saturation %	pH	Foc %	Soil Density g/cc
SV-1	5/30/97	2.5	44.75	36	8.8	19.67	6.31	NT	0.068
		6	39.52	33	6.21	89.1	NT	NT	0.275
		8.5	NT	NT	NT	NT	NT	0.12	NT
		9.5	33.6	0.15	33.6	99.57	6.8	NT	0.26
SV-2	5/30/97	3	NT	NT	NT	NT	7.53	NT	NT
		3.5	NT	NT	NT	NT	NT	0.083	NT
		9	NT	NT	NT	NT	NT	0.067	NT
		10	34.02	0.95	33.1	97.21	7.03	NT	0.257
SV-3	5/30/97	3.5	46	30	16	66.01	7.38	NT	0.128
Overall Averages =			39.65	14.3	25.34	68.11	7.07	0.09	0.197
Vadose Zone Average (to 3.5 feet) =			45.57*	33*	12.4*	27.34	6.99*	NT	0.097*
Vadose Zone Average (to 6 feet) =			43.4	23.4	20	47.9	6.99	NT	0.156
NT = Not tested									
Soil Density = Dry density x moisture %									
g/cc = grams per cubic centimeter									
* = These values were used to calculate the soil vapor model risk and the construction worker RBSL									
Foc = Fraction of organic carbon									

ATTACHMENT D
Groundwater Analytical Data

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Groundwater - Former Signal Oil Service Station 20-6145
800 Center Street, Oakland, CA

Sample ID	Sample Date	Interval (fbg)	TPHd	TPHg	B	T	E	X
Concentrations reported in micrograms per liter (µg/l)								
MW-9	04/20/07	35-40	1,100	4,100	28	6.9	9.2	240
	06/22/07		310	500	4.4	<0.5	<0.5	12
	08/17/07		92	<50	<0.5	<0.5	<0.5	<1.5
MW-10	04/20/07	55-60	260	1,200	29	31	11	140
	06/22/07		110	<50	1.5	<0.5	<0.5	<1.5
	08/17/07		53	<50	<0.5	<0.5	<0.5	<1.5
MW-11	04/20/07	35-40	350	77	<2.0	4.6	<0.5	3.2
	06/22/07		140	51	<0.5	<0.5	<0.5	<1.5
	08/17/07		<50	<50	<0.5	<0.5	<0.5	<1.5
MW-12	04/20/07	55-60	430	400	2.3	40	14	49
	06/22/07		390	<50	0.7	1.1	<0.5	4.3
	08/17/07		<50	<50	<0.5	<0.5	<0.5	<1.5
MW-13	04/20/07	35-40	140	650	16	23	7.5	61
	06/22/07		400	<50	0.6	0.9	<0.5	<1.5
	08/17/07		<50	<50	<0.5	<0.5	<0.5	<1.5
MW-14	04/20/07	55-60	2,000	16,000	550	1,600	620	2,400
	06/22/07		1,300	3,700	190	150	49	580
	08/17/07		780	2,600	74	54	11	220
MW-15	04/20/07	35-40	720	240	1.0	1.3	<0.5	20
	06/22/07		150	<50	<0.5	<0.5	<0.5	<1.5
	08/17/07		<50	<50	<0.5	<0.5	<0.5	<1.5
MW-16	04/20/07	55-60	2,200	15,000	87	1,200	500	2,000
	06/22/07		2,100	10,000	130	1,800	580	1,400
	08/17/07		640	8,200	110	1,400	280	730
MW-17	04/20/07	70-75	1,300	7,400	66	880	300	1,300
	06/22/07		690	2,000	35	27	9.3	360
	08/17/07		240	380	6.7	2.3	0.5	15
ESL's			640	500	46	130	290	100

Abbreviations/Notes:

Total Petroleum Hydrocarbons as diesel (TPHd) by EPA Method 8015M w/ silica gel cleanup

Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M

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

fbg = feet below grade

<x = Not detected above method detection limit

ESL = Environmental screening level (where groundwater is not a potential or current source of drinking water)

All ESL values taken from the SFB-RWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, dated February 2005

Table 2. Analytic Results for Groundwater - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHd	TPHg	B	T	E	X	MTBE	1,2 DCA	EDB
Concentrations reported in micrograms per liter (µg/L)											
CPT-1	10/6/04	12	NA	97,000	5,200	21,000	3,700	16,000	<13	64	60
CPT-1	10/6/04	30	440	130	0.6	4	1	7	<0.5	<0.5	<0.5
CPT-1	10/6/04	43	370	54	1	14	6	26	<0.5	<0.5	<0.5
CPT-1	10/6/04	58	3,100	370	3	20	6	24	<0.5	<0.5	<0.5
CPT-2	10/7/04	16	1,200	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-2	10/7/04	32	450	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-2	10/7/04	43	500	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-2	10/7/04	60	NA	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CPT-3	10/12/04	32	770	270	4	28	13	40	<0.5	<0.5	<0.5
CPT-3	10/12/04	43	370	130	1	11	4	13	<0.5	<0.5	<0.5
CPT-3	10/12/04	57	3,800	12,000	160	1,300	780	3,200	<1	<1	6
CPT-4	10/8/04	30	620	310	19	91	130	440	<0.5	<0.5	<0.5
CPT-4	10/8/04	43	380	92	<0.5	6	2	8	<0.5	<0.5	<0.5
CPT-4	10/8/04	60	1,900	<50	<0.5	2	1	5	<0.5	<0.5	<0.5
CPT-4	10/8/04	72	2,400	<50	<0.5	2	0.9	4	<0.5	<0.5	<0.5
CPT-5	10/11/04	31	1,300	2,600	120	590	120	440	<0.5	11	3
CPT-5	10/11/04	45	2,400	6,600	120	1,400	440	2,000	<1	7	8
CPT-5	10/11/04	58	NA	19,000	220	2,100	540	2,500	<3	18	18
C-2	11/1/04	GRAB	750	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C-5	11/2/04	GRAB	74	<50	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
 Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B
 Methyl tertiary butyl ether (MTBE) by EPA Method 8260B
 1,2-Dichloroethane (1,2 DCA) by EPA Method 8260B
 1,2-Dibromoethane (EDB) by EPA Method 8260B
 <x = Not detected above method detection limit

ATTACHMENT E

Soil Vapor Data

Table 1
Soil Vapor Data

Former Signal Service Station 0800
800 Center Street at Eighth Street
Oakland, California

Sample ID	Sample Date	Sample Depth	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH-g (µg/L)	O ₂ %	CO ₂ %
SV-1	5/30/97	3	0.17	1.6	0.75	5.3	360	20.97	0.87
		6	65	320	84	430	50,000	18.97	1.00
		9	32	130	340	1,400	24,000	20.97	0.07
SV-2	5/30/97	3	ND	0.11	0.11	0.53	11	15.97	6.00
		6	22	100	19	66	27,000	18.97	2.20
		9	NT	NT	NT	NT	NT	20.97	0.16
SV-3	5/30/97	3	ND	0.54	1.5	12	180	NT	NT
		6	ND	0.42	0.84	5.7	83	NT	NT
		8	6.5	54	30	44	100	NT	NT
SV-4	5/30/97	3	ND	0.034	0.17	0.48	71	NT	NT
		6	ND	0.08	0.48	1.4	270	NT	NT
		9	17	150	36	160	5,400	NT	NT
SV-5	5/30/97	3	ND	0.015	0.009	0.071	8	NT	NT
		6	0.84	6.1	0.79	3.3	610	NT	NT
		9	11	84	24	110	1,100	NT	NT

µg/L = Micrograms per liter
 TPH-g = Total petroleum hydrocarbons calculated as gasoline
 O₂ = Oxygen
 CO₂ = Carbon dioxide

Figure 3: SV-1 Soil Vapor Data

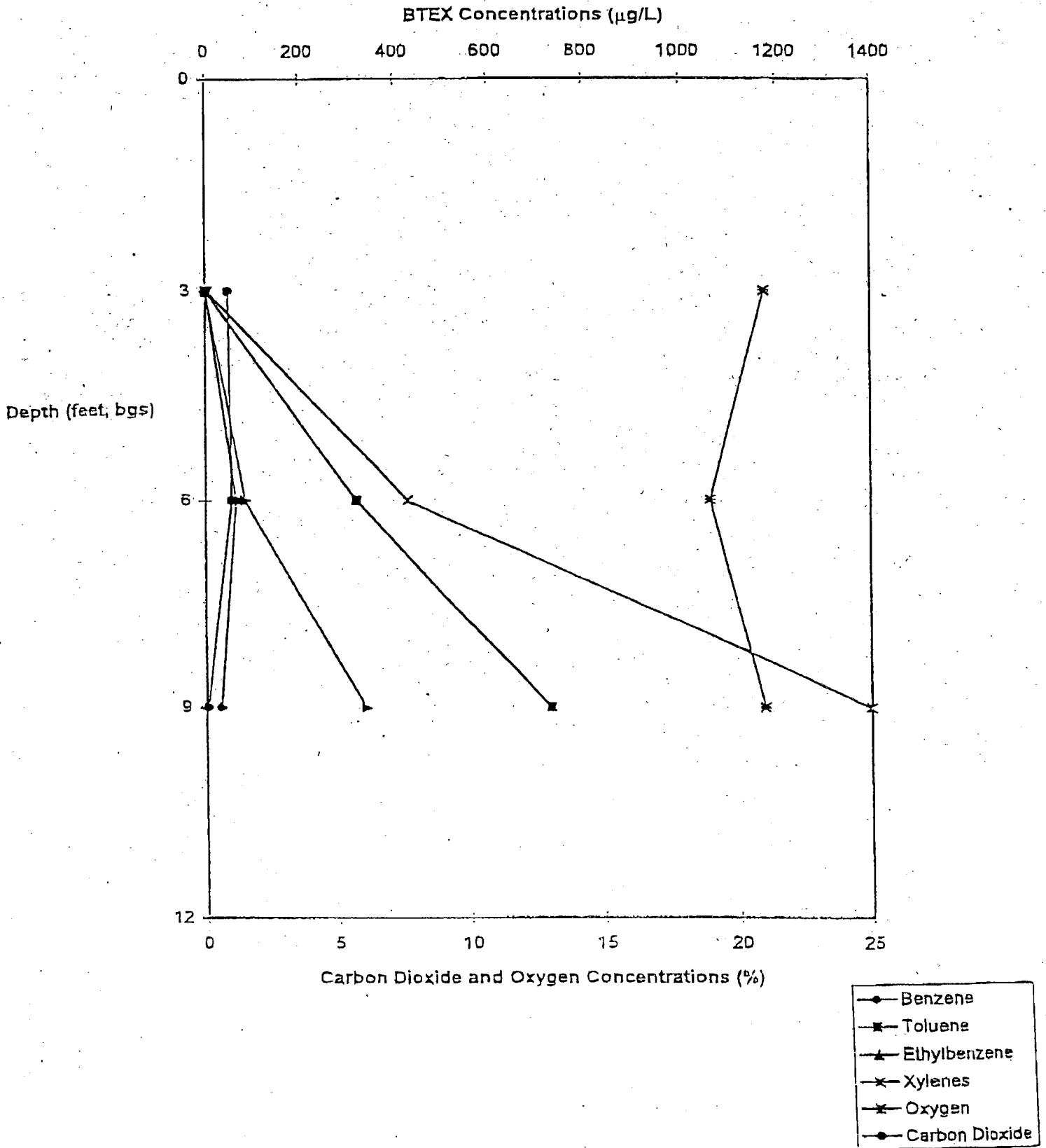


Figure 4: SV-2 Soil Vapor Data

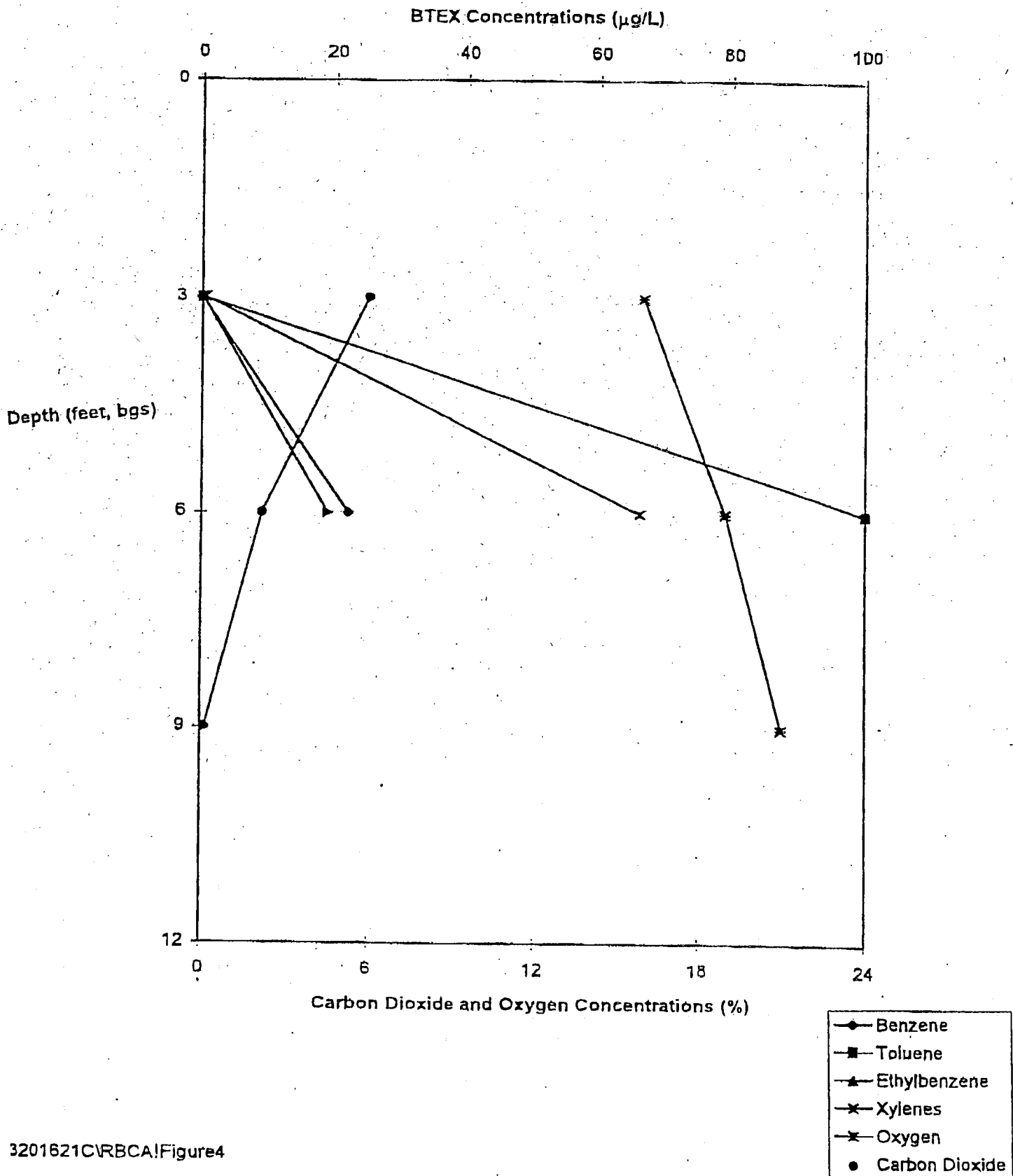


Figure 5: SV-3 Soil Vapor Data

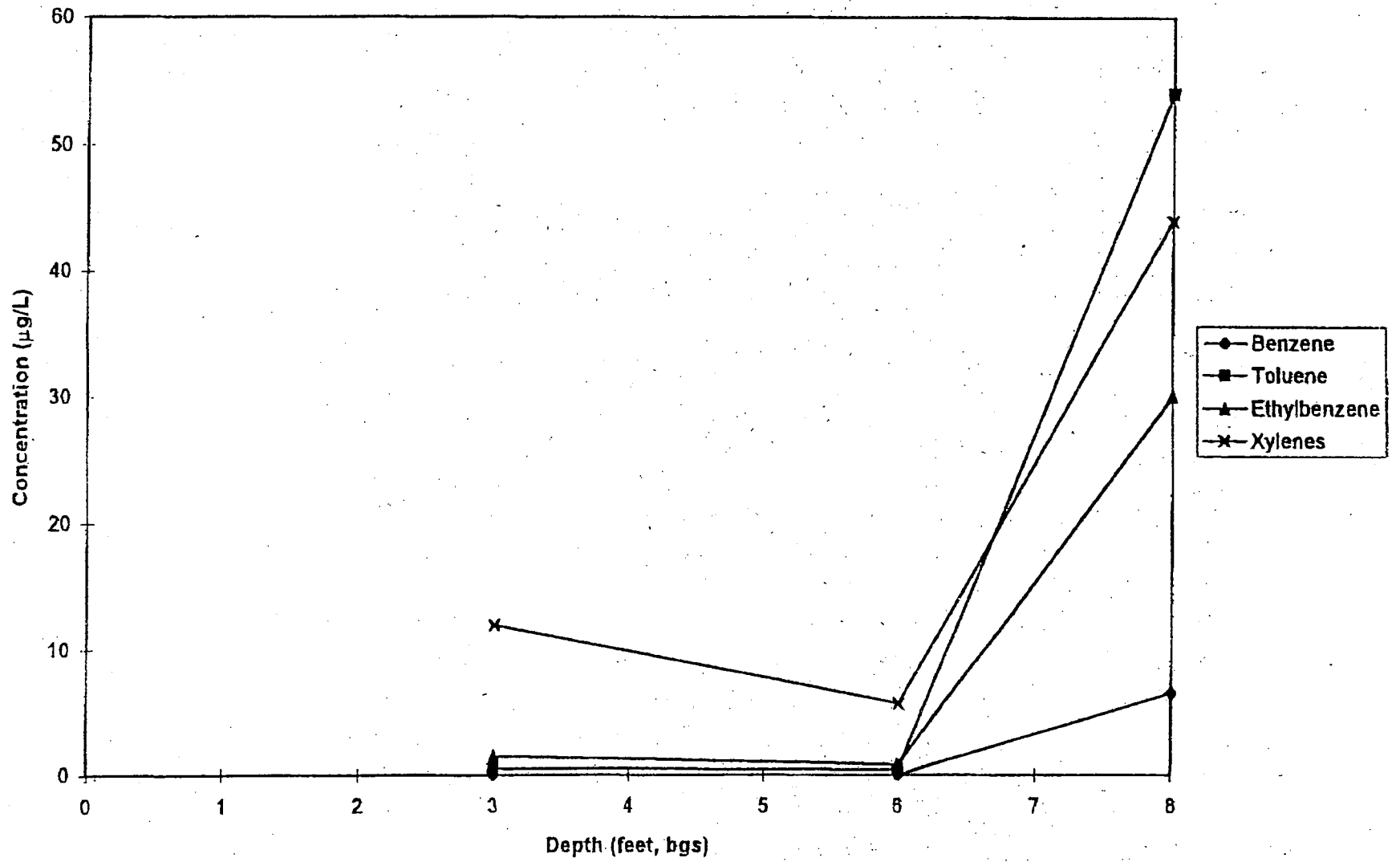


Figure 6: SV-4 Soil Vapor Data

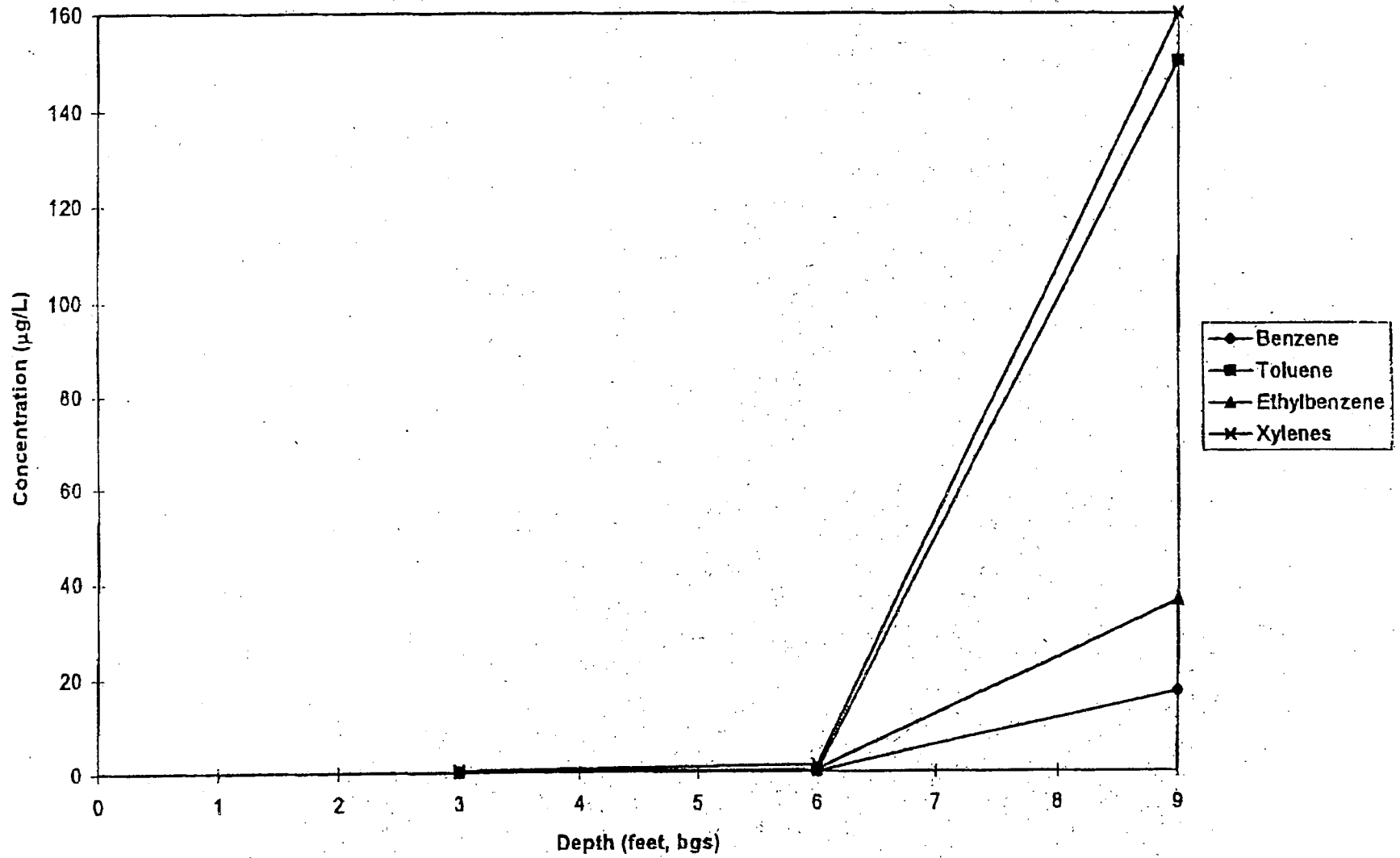
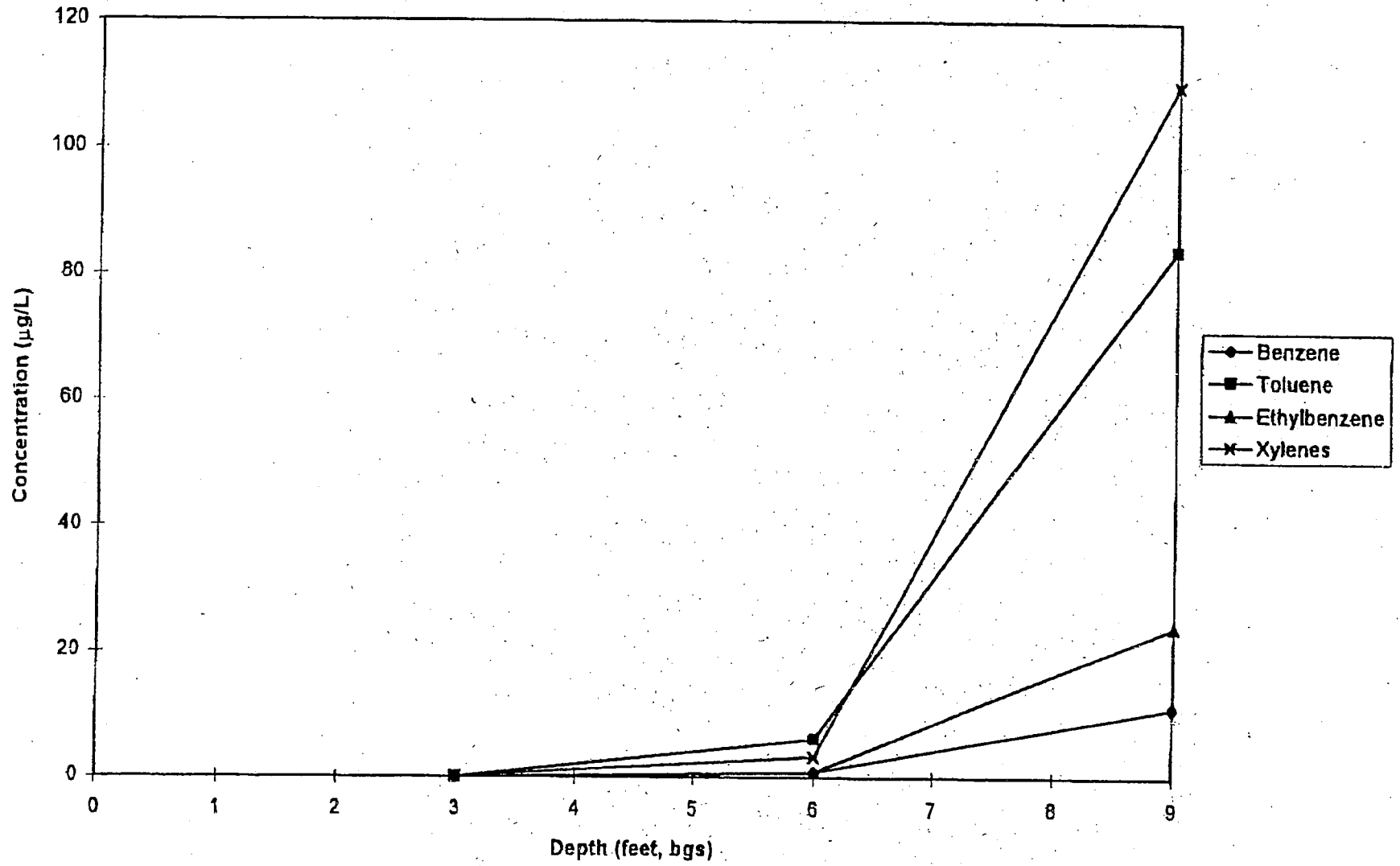


Figure 7: SV-5 Soil Vapor Data



ATTACHMENT F

**Third Quarter 2007 Groundwater Monitoring and
Sampling Report**



GETTLER-RYAN INC.

TRANSMITTAL

September 27, 2007

G-R #386492

TO: Ms. Charlotte Evans
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

CC: Mr. Satya Sinha
Chevron Environmental
Management Company
P.O. Box 6012, Room K2256
San Ramon, California 94583

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

RE: **Former Chevron (Signal Oil)
Service Station #206145 (S-800)
800 Center Street
Oakland, California
RO 0000454**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 24, 2007	Groundwater Monitoring and Sampling Report Third Quarter Event of August 17, 2007, Special Events of April 20 and June 22, 2007

COMMENTS:

Pursuant to your request, we are providing you with a copy of the above referenced report for your use and distribution to the following (via PDF):

Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (**Distributed by Conestoga-Rovers & Associates via PDF**)

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **October 11, 2007**, at which time the final report will be distributed to the following:

cc: Mr. Rene Boisvert, Boulevard Equity Group, (Owner), 484 Lake Park Ave., #246, Oakland, CA 94610
Mr. Hollis Rodgers, 215 West MacArthur Boulevard, Apt# 434, Oakland, CA 94611

Enclosures

trans/206145-SS

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job # 386492
 Event Date: 8/17/07
 Sampler: JH

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient)	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-7	OK							N	N	10' emco	N
MW-11	OK									12" emco	N
MW-12	OK										N
MW-17	OK										N
MW-16	OK										N
MW-15	OK										N
MW-2	OK									8" Morrison	N
MW-4	OK									" "	N

Comments _____

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job # 386492
 Event Date: 8.17.7
 Sampler: AC

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient)	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-8	OK	→		1-S	OK	→		N	N	Morrison 6"-2	
MW-6	OK	→		1-S	OK	→		N	N	↓	
MW-5	OK	→		2-S	OK	→		N	N	↓	
MW-10	OK	→				→		N	N	Emco-12"-2	
MW-9	OK	→				→		N	N		
MW-13	OK	→				→		N	N		
MW-14	OK	→				→		N	N	↓	
MW-1A	OK	→				→		N	N	Morrison-6"-2	
MW-3	OK	m	OK	2-B	OK	→		N	N	Boant Longear 8"-3	

Comments _____



GETTLER - RYAN INC.

September 24, 2007
G-R Job #386492

Mr. Satya Sinha
Chevron Environmental Management Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

**RE: Third Quarter Event of August 17, 2007 and
Special Events of April 20 and June 22, 2007**
Groundwater Monitoring & Sampling Report
Former Chevron (Signal Oil) Service Station
#206145 (S-800)
800 Center Street
Oakland, California

Dear Mr. Sinha:

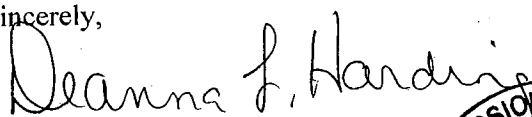
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

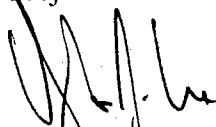
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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

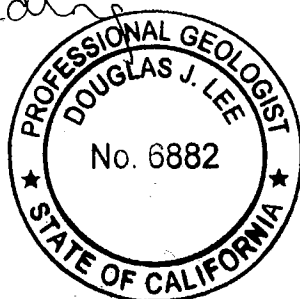
Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,


Deanna L. Harding
Project Coordinator


Douglas J. Lee

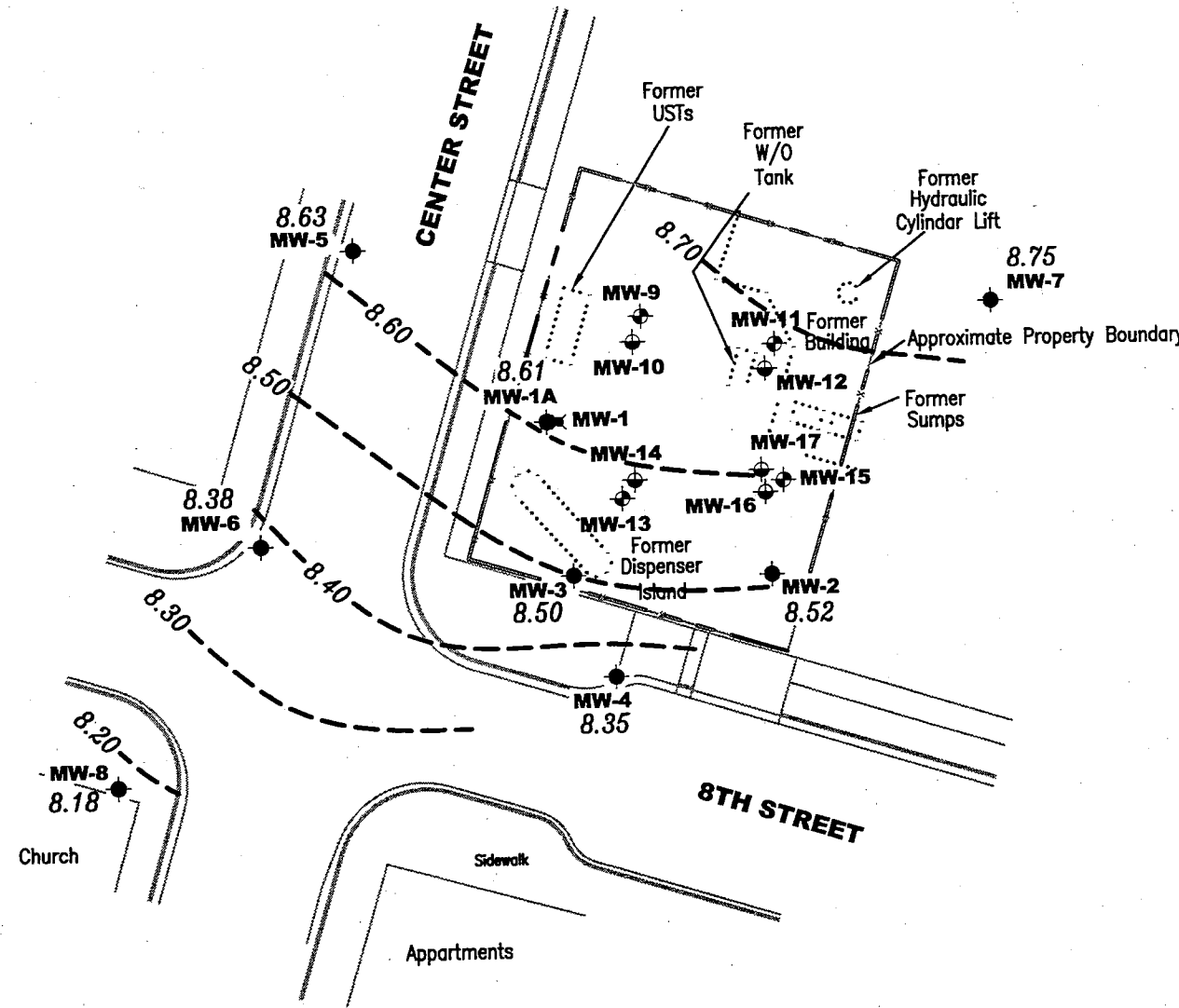
Senior Geologist, P.G. No. 6882



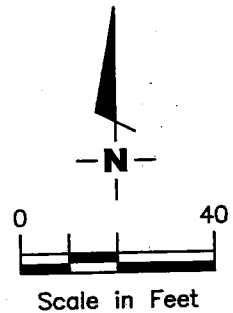
- Figure 1: Potentiometric Map - (Shallow Zone)
- Figure 2: Potentiometric Map - (Intermediate Zone)
- Figure 3: Potentiometric Map - (Deep Zone)
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Field Measurements and Analytical Results
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ◆ Groundwater monitoring well (Shallow)
- ⊕ Groundwater monitoring well (Intermediate Zone)
- ⊕ Groundwater monitoring well (Deeper)
- ✕ Destroyed well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred



Approximate groundwater flow direction at a gradient of 0.002 to 0.008 Ft./Ft.



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

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

POTENTIOMETRIC MAP - SHALLOW ZONE
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE

1

PROJECT NUMBER
 386492

REVIEWED BY

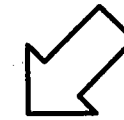
DATE
 August 17, 2007

REVISED DATE

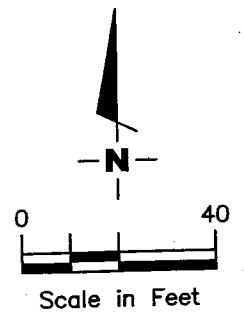
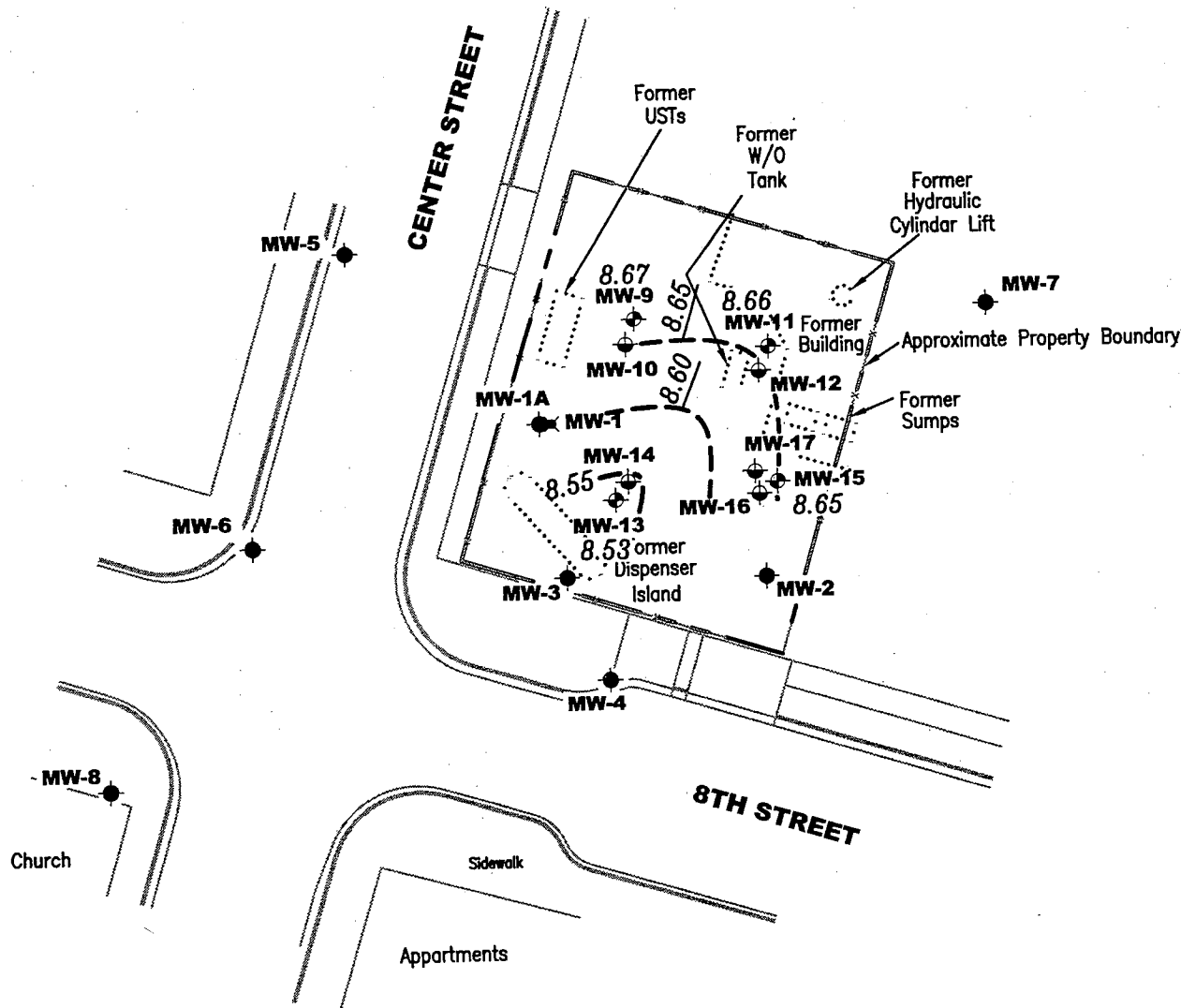
FILE NAME: P:\Enviro\Chevron\206145\Q07-20-6145.DWG | Layout Tab: Pot3-SZ

EXPLANATION

- Groundwater monitoring well (Shallow)
- ⊕ Groundwater monitoring well (Intermediate Zone)
- ⊖ Groundwater monitoring well (Deeper)
- ✕ Destroyed well



Approximate groundwater flow direction at a gradient of 0.003 Ft./Ft.



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

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 6747 Sierra Court, Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP - INTERMEDIATE ZONE
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE

2

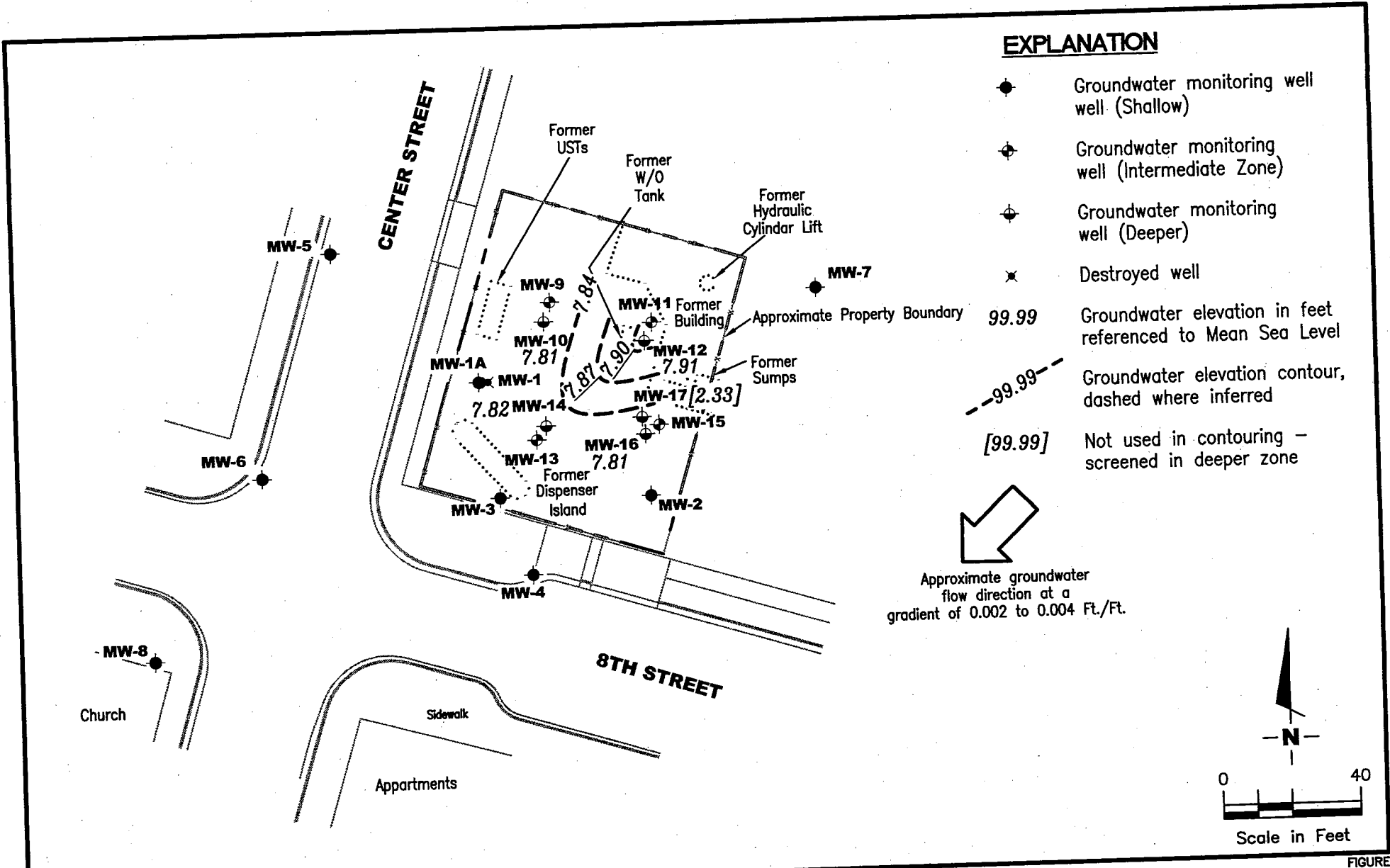
PROJECT NUMBER
 386492

REVIEWED BY

DATE

August 17, 2007

REVISED DATE



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

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

POTENTIOMETRIC MAP - DEEPER ZONE
 Former Chevron (Signal Oil) Service Station #206145(S-800)
 800 Center Street
 Oakland, California

FIGURE

3

PROJECT NUMBER
 386492

REVIEWED BY

DATE
 August 17, 2007

REVISED DATE

FILE NAME: P:\Enviro\Chevron\206145\007-20-6145.DWG | Layout Tab: Pot3-DZ

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC ^a (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-1A											
02/24-25/03 ¹	15.49	8.17	7.32	4,600	5,100	92	340	66	480	<10	--
06/02/03	15.49	7.15	8.34	5,500	3,800	150	490	72	450	<13	--
09/02/03	15.49	6.10	9.39	10,000	6,200	100	580	110	760	47	--
11/21/03	15.49	5.29	10.20	3,800	3,200	29	150	49	240	<10	--
02/27/04	15.49	9.87	5.62	2,800	280	9.7	19	3.0	30	<2.5	--
05/28/04	15.49	6.88	8.61	5,500	1,100	35	81	27	140	17	--
08/31/04	15.49	5.58	9.91	4,500	1,100	13	68	27	110	<2.5	--
12/17/04	15.49	7.09	8.40	2,300 ^o	560	8.0	17	9.6	36	<2.5	--
03/28/05	15.49	10.36	5.13	340 ^o	87	16	4.2	3.3	11	<2.5	--
06/09/05	15.49	9.69	5.80	6,400 ^o	260	26	3.7	7.7	13	5.3	--
08/19/05	15.49	6.70	8.79	1,100 ^{o,p,q}	440	38	7.8	9.4	17	<2.5	--
11/18/05	15.49	6.25	9.24	1,300 ^{o,q}	450	11	12	17	22	<2.5	--
03/07/06	15.49	10.51	4.98	2,300 ^o	150	33	1.6	3.4	2.7	<2.5	--
05/17/06	15.49	9.02	6.47	2,600 ^o	110	18	<0.5	0.7	<1.5	<2.5	--
08/30/06	15.49	5.68	9.81	3,600 ^o	420	24	0.7	8.1	9.2	<10	--
11/28/06	15.49	5.79	9.70	2,900 ^o	220	8.6	2.7	6.1	9.3	<2.5	--
02/06/07	18.11	8.83	9.28	1,500 ^o	230	19	<0.5	1.8	2.7	<2.5	--
05/02/07	18.11	9.83	8.28	1,300 ^o	190	16	<0.5	1	1.8	<2.5	--
08/17/07	18.11	8.61	9.50	1,100 ^o	160	2.5	0.8	2.0	2.7	<2.5	--
MW-2											
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	15.72	7.82	7.90	--	83 ^d	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.72	8.82	6.90	--	SAMPLED ANNUALLY		--	--	--	--	--
07/16/98	15.72	7.37	8.35	--	--	--	--	--	--	--	1.9 x 10 ¹
08/04/98 ^a	15.72	7.03	8.69	--	--	--	--	--	--	--	3.0 x 10 ²
09/03/98 ^a	15.72	6.44	9.28	--	--	--	--	--	--	--	8.8 x 10 ²
10/21/98 ^b	15.72	5.51	10.21	--	--	--	--	--	--	--	--
11/04/98	15.72	5.60	10.12	--	--	--	--	--	--	--	--
01/26/99	15.72	6.87	8.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.72	8.20	7.52	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-2 (cont)											
08/21/99	15.72	13.21	2.51	--	--	--	--	--	--	--	--
10/28/99	15.72	6.35	9.37	--	--	--	--	--	--	--	--
01/31/00	15.72	7.25	8.47	--	<50	<0.5	0.541	<0.5	<0.5	<2.5	--
05/19/00	15.72	7.65	8.07	--	--	--	--	--	--	--	--
08/07/00	15.72	6.35	9.37	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ^f	--
12/01/00	15.72	5.60	10.12	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
02/09/01	15.72	6.05	9.67	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	15.72	6.73	8.99	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/27/01 ^h	15.72	5.68	10.04	--	<50	<0.50	<0.50	<0.50	<0.50	--/<5.0 ^f	--
11/28/01	15.72	5.86	9.86	--	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--
02/14/02	15.69	7.86	7.83	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	15.69	7.09	8.60	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	15.69	6.02	9.67	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	15.69	DRY	--	--	--	--	--	--	--	--	--
02/24-25/03 ^l	15.69	8.04	7.65	140	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.69	7.33	8.36	150 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.69	5.97	9.72	150 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	-- ⁿ	-- ⁿ	10.39	180	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	-- ⁿ	-- ⁿ	6.90	310	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	-- ⁿ	-- ⁿ	9.13	160	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- ⁿ	-- ⁿ	10.30	180 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- ⁿ	-- ⁿ	8.91	77 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	-- ⁿ	-- ⁿ	6.51	<50 ^o	<50	<0.5	0.5	<0.5	<1.5	<2.5	--
06/09/05	-- ⁿ	-- ⁿ	7.09	53 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- ⁿ	-- ⁿ	9.27	<50 ^{o,p}	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- ⁿ	-- ⁿ	9.66	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	-- ⁿ	-- ⁿ	6.75	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- ⁿ	-- ⁿ	7.09	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- ⁿ	-- ⁿ	9.03	640 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	-- ⁿ	-- ⁿ	10.02	560 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	18.40	8.72	9.68	200 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	18.40	9.71	8.69	480 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	18.40	8.52	9.88	1,000 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)

800 Center Street
Oakland, California

WELL ID/ DATE	TOC ^a (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-3											
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1,700	2,300	4,200	--	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0	--
04/24/97	15.42	7.29	8.13	--	1,400	310	28	76	75	74	--
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1,500	2,700	4,200	2,500	--
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1,200	3,000	3,100	2,500	--
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10	--
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5	--
07/16/98	15.42	7.14	8.28	--	260	90	4.8	18	5.7	<10	--
08/04/98 ^a	15.42	6.88	8.54	--	--	--	--	--	--	--	8.5 x 10 ²
09/03/98 ^a	15.42	6.34	9.08	--	--	--	--	--	--	--	2.4 x 10 ³
10/21/98 ^b	15.42	5.62	9.80	--	--	--	--	--	--	--	6.0 x 10 ¹
11/04/98	15.42	5.60	9.82	--	73,000	17,000	3,800	4,900	8,100	<250	--
01/26/99	15.42	6.70	8.72	--	32,400	10,200	1,850	2,650	3,140	715/<500 ^c	--
05/06/99	15.42	7.97	7.45	--	3,160	668	89.6	180	123	<200/<10 ^c	--
08/21/99	15.42	7.95	7.47	--	53,800	9,700	2,040	2,880	5,000	<1,250/<40 ^c	--
10/28/99	15.42	5.37	10.05	--	71,300	14,000	3,420	4,320	8,360	<1,000	--
01/31/00	15.42	7.16	8.26	--	1,650	496	49.1	134	82.6	<12.5	--
05/19/00	15.42	7.60	7.82	--	110 ^e	36	2.5	9.1	4.0	6.3	--
08/07/00	15.42	6.29	9.13	--	36,000 ^e	9,000	3,000	2,700	2,800	2,500/<10 ^f	--
12/01/00	15.42	2.45	12.97	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
02/09/01	15.42	5.98	9.44	--	32,000 ^e	11,000	3,900	3,200	4,800	3,200/<2.0 ^f	--
05/29/01	15.42	6.65	8.77	--	13,000	4,200	2,000	1,800	1,500	74/<2.0 ^f	--
08/27/01 ^h	15.42	5.70	9.72	--	40,000	7,600	2,800	2,500	2,700	--/<25 ^f	--
11/28/01	15.42	5.77	9.65	--	57,000	10,000	2,900	2,900	2,800	<250/<5.0 ^f	--
02/14/02	15.40	7.73	7.67	--	51	2.9	<0.50	1.9	1.8	<2.5/<2 ^f	--
05/15/02	15.40	7.05	8.35	--	4,100	910	250	210	240	<20/<2 ^f	--
08/05/02	15.40	5.96	9.44	--	58,000	11,000	4,300	3,400	4,000	<250/<10 ^f	--
11/30/02	15.40	5.14	10.26	--	46,000	13,000	2,900	3,700	2,600	<100/<10 ^f	--
02/24-25/03 ¹	15.40	7.89	7.51	4,500	52,000	9,600	4,800	2,900	4,100	<130	--
06/02/03	15.40	7.24	8.16	6,500	67,000	11,000	9,600	3,400	5,700	<250	--
09/02/03	15.40	5.89	9.51	10,000	73,000	8,900	10,000	3,600	7,000	300	--
11/21/03	15.40	5.17	10.23	8,000	29,000	3,300	3,200	1,200	1,500	<200	--
02/27/04	15.40	8.84	6.56	200	59	8.2	6.3	1.7	6.8	<2.5	--
05/28/04	15.40	6.57	8.83	5,400	18,000	2,600	970	1,600	950	<100	--
08/31/04	15.40	5.41	9.99	9,100	58,000	3,200	9,600	2,800	7,500	<50	--
12/17/04	15.40	6.81	8.59	2,200 ^o	23,000	1,100	2,100	1,200	2,600	<25	--

As of 08/17/07

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-3 (cont)											
03/28/05	15.40	9.29	6.11	3,200°	43,000	1,500	10,000	2,600	7,300	<130	--
06/09/05	15.40	8.65	6.75	7,800°	38,000	980	7,000	2,100	4,800	190	--
08/19/05	15.40	6.43	8.97	5,000° ^{p,r}	75,000	1,500	14,000	3,400	9,600	<130	--
11/18/05	15.40	5.95	9.45	3,900° ^r	72,000	1,400	14,000	3,600	9,700	380	--
03/07/06	15.40	9.05	6.35	1,100°	15,000	280	2,300	820	2,000	<100	--
05/17/06	15.40	8.57	6.83	4,400°	57,000	650	8,100	2,900	8,100	410	--
08/30/06	15.40	5.44	9.96	4,300°	54,000	540	7,600	4,100	10,000	550	--
11/28/06	15.40	5.62	9.78	4,400°	43,000	260	3,400	3,800	5,800	<1,000	--
02/06/07	18.07	8.70	9.37	5,000°	43,000	290	6,200	3,400	6,400	<500	--
05/02/07	18.07	9.67	8.40	4,500°	43,000	290	4,100	3,800	6,500	<500	--
08/17/07	18.07	8.50	9.57	4,900°	46,000	240	1,900	3,800	5,600	310	--
MW-4											
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39	--
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100	--
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.40	5.74	8.66	--	--	--	--	--	--	--	--
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5	--
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.40	8.40	6.00	--	SAMPLED BIANNUALLY		--	--	--	--	--
07/16/98	14.40	7.08	7.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98 ^a	14.40	6.28	8.12	--	--	--	--	--	--	--	1.8 x 10 ⁴
09/03/98 ^a	14.40	6.32	8.08	--	--	--	--	--	--	--	1.4 x 10 ⁴
10/21/98 ^b	14.40	5.64	8.76	--	--	--	--	--	--	--	8.6 x 10 ⁴
11/04/98	14.40	5.61	8.79	--	--	--	--	--	--	--	--
01/26/99	14.40	6.71	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.40	8.15	6.25	--	--	--	--	--	--	--	--
08/21/99	14.40	8.13	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	14.40	4.14	10.26	--	--	--	--	--	--	--	--
01/31/00	14.40	7.07	7.33	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	14.40	7.52	6.88	--	--	--	--	--	--	--	--
08/07/00	14.40	6.23	8.17	--	<50	4.3	0.60	<0.50	<0.50	<2.5/<2.0 ^f	--
12/01/00	14.40	INACCESSIBLE	--	--	--	--	--	--	--	--	--
02/09/01	14.40	INACCESSIBLE	--	--	--	--	--	--	--	--	--

As of 08/17/07

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-4 (cont)											
05/29/01	14.40	6.58	7.82	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
08/27/01	14.40	6.52	7.88	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--
11/28/01	14.40	DRY	--	--	--	--	--	--	--	--	--
02/14/02	14.37	7.66	6.71	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
05/15/02	14.37	6.96	7.41	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
08/05/02	14.37	DRY	--	--	--	--	--	--	--	--	--
11/30/02	14.37	DRY	--	--	--	--	--	--	--	--	--
02/24-25/03 ¹	14.37	7.77	6.60	200	<50	8.0	<0.50	<0.50	<1.5	<2.5	--
06/02/03	14.37	7.11	7.26	300	<50	4.3	<0.5	<0.5	<1.5	<2.5	--
09/02/03	14.37	5.80	8.57	410	51	4.3	<0.5	<0.5	<1.5	<2.5	--
11/21/03	-- ⁿ	-- ⁿ	10.24	560	110	25	0.6	1.5	<1.5	<2.5	--
02/27/04	-- ⁿ	-- ⁿ	5.71	340	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	-- ⁿ	-- ⁿ	7.88	430	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- ⁿ	-- ⁿ	9.03	460	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- ⁿ	-- ⁿ	7.67	390 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	-- ⁿ	-- ⁿ	5.32	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	-- ⁿ	-- ⁿ	6.70	120 ^o	90	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- ⁿ	-- ⁿ	8.03	190 ^{o,p,q}	200	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- ⁿ	-- ⁿ	9.43	310 ^{o,t}	230	2.7	<0.5	0.8	<1.5	<2.5	--
03/07/06	-- ⁿ	-- ⁿ	5.55	230 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- ⁿ	-- ⁿ	5.89	150 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- ⁿ	-- ⁿ	7.71	380 ^o	1,300	47	<2.5	<2.5	<7.5	<50	--
11/28/06	-- ⁿ	-- ⁿ	8.75	1,800 ^o	1,200	36	1.1	3.4	<5.0	<20	--
02/06/07	16.98	8.58	8.40	1,600 ^o	13,000 ^u	3,700 ^u	60 ^u	880 ^u	170 ^u	210 ^u	--
05/02/07	16.98	9.53	7.45	170 ^o	1,400	170	0.6	0.9	1.6	<50	--
08/17/07	16.98	8.35	8.63	1,600^o	4,700	870	3.8	49	<10	30	--
MW-5											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
04/24/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
10/29/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-5 (cont)											
05/11/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
07/16/98	15.03	7.28	7.75	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
11/04/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
01/26/99	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
05/06/99	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
08/21/99	15.03	6.74	8.29	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	15.03	4.60	10.43	--	--	--	--	--	--	--	--
01/31/00	15.03	7.39	7.64	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	15.03	7.85	7.18	--	--	--	--	--	--	--	--
08/07/00	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
12/01/00	15.03	5.68	9.35	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<2.0 ^f	--
02/09/01	15.03	6.22	8.81	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ^f	--
05/29/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
08/27/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
11/28/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
02/14/02	15.01	7.96	7.05	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
05/15/02	15.01	7.23	7.78	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
08/05/02	15.01	6.13	8.88	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
11/30/02	15.01	5.27	9.74	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
02/24-25/03 ¹	15.01	7.99	7.02	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.01	7.14	7.87	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.01	6.02	8.99	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	15.01	5.26	9.75	68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	15.01	8.42	6.59	140	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	15.01	6.71	8.30	76	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	15.01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
12/17/04	15.01	6.98	8.03	52°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	15.01	8.66	6.35	51°	<50	<0.5	0.7	<0.5	<1.5	<2.5	--
06/09/05	15.01	9.16	5.85	72°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	15.01	6.52	8.49	<50° ^p	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	15.01	6.12	8.89	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	15.01	8.98	6.03	<50°	<50	<0.5	<0.5	1.4	<1.5	<2.5	--
05/17/06	15.01	8.83	6.18	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	15.01	6.86	8.15	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	15.01	6.46	8.55	200°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Chevron (Signal Oil) Service Station #206145 (S-800)

800 Center Street
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)	
MW-5 (cont)												
02/06/07	17.68	8.83	8.85	55°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
05/02/07	17.68	9.91	7.77	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
08/17/07	17.68	8.63	9.05	66°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
MW-6												
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12	--	
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5	--	
05/11/98	14.73	8.08	6.65	--	1,700	490	72	39	52	<25	--	
07/16/98	14.73	7.04	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
08/04/98 ^a	14.73	6.89	7.84	--	--	--	--	--	--	--	8.6 x 10 ³	
09/03/98 ^a	14.73	6.24	8.49	--	--	--	--	--	--	--	2.9 x 10 ³	
10/21/98 ^b	14.73	5.46	9.27	--	--	--	--	--	--	--	1.8 x 10 ³	
11/04/98	14.73	5.52	9.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
01/26/99	14.73	6.49	8.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	
05/06/99	14.73	7.91	6.82	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
08/21/99	14.73	7.93	6.80	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
10/28/99	14.73	5.27	9.46	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
01/31/00	14.73	7.16	7.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
05/19/00	14.73	7.60	7.13	--	<50	11	<0.5	<0.5	<0.5	<2.5	--	
08/07/00	14.73	6.22	8.51	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ^f	--	
12/01/00	14.73	DRY	--	--	--	--	--	--	--	--	--	
02/09/01	14.73	DRY	--	--	--	--	--	--	--	--	--	
05/29/01	14.73	6.63	8.10	--	NOT SAMPLED DUE TO INSUFFICIENT WATER						--	--
08/27/01 ^h	14.73	9.83	4.90	--	150	<0.50	5.7	<0.50	<0.50	--<5.0 ^f	--	
11/28/01	14.73	DRY	--	--	--	--	--	--	--	--	--	
02/14/02	14.68	7.90	6.78	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	
05/15/02	14.68	7.32	7.36	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	
08/05/02	14.68	DRY	--	--	--	--	--	--	--	--	--	
11/30/02	14.68	DRY	--	--	--	--	--	--	--	--	--	
02/24-25/03 ⁱ	14.68	7.89	6.79	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	
06/02/03	14.68	7.20	7.48	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	

As of 08/17/07

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800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-6 (cont)											
09/02/03	14.68	5.77	8.91	190	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	14.68	4.86	9.82	98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	14.68	8.12	6.56	240	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	14.68	6.43	8.25	150	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	14.68	5.29	9.39	360 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	14.68	6.85	7.83	91 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	14.68	8.34	6.34	61 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	14.68	7.95	6.73	64 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	14.68	6.27	8.41	<50 ^o P	<50 ^s	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	14.68	DRY AT 15.70 FEET		--	--	--	--	--	--	--	--
03/07/06	14.68	8.03	6.65	<50 ^o	<50	<0.5	<0.5	0.9	<1.5	<2.5	--
05/17/06	14.68	7.98	6.70	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	14.68	6.63	8.05	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	14.68	6.09	8.59	120 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	17.33	8.58	8.75	96 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	17.33	9.64	7.69	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	17.33	8.38	8.95	66 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-7											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	16.36	9.11	7.25	--	SAMPLED ANNUALLY		--	--	--	--	--
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98 ^a	16.36	7.32	9.04	--	--	--	--	--	--	--	1.5 x 10 ³
09/03/98 ^a	16.36	6.65	9.71	--	--	--	--	--	--	--	6.5 x 10 ²
10/21/98 ^b	16.36	5.96	10.40	--	--	--	--	--	--	--	4.8 x 10 ³
11/04/98	16.36	5.89	10.47	--	--	--	--	--	--	--	--
01/26/99	16.36	8.25	8.11	--	<50	<0.5	<0.5	<0.5	0.5	<2.0	--
05/06/99	16.36	8.47	7.89	--	--	--	--	--	--	--	--
08/21/99	16.36	8.51	7.85	--	--	--	--	--	--	--	--
10/28/99	16.36	6.04	10.32	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-7 (cont)											
01/31/00	16.36	7.57	8.79	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	16.36	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/07/00	16.36	6.67	9.69	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ^f	--
12/01/00	16.36	5.84	10.52	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
02/09/01	16.36	6.30	10.06	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	16.36	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/27/01 ^h	16.36	6.02	10.34	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/28/01	16.36	6.09	10.27	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	16.31	8.21	8.10	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	16.31	7.41	8.90	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	16.31	6.26	10.05	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	16.31	5.39	10.92	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 ^l	16.31	8.30	8.01	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	16.31	7.67	8.64	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	16.31	6.17	10.14	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	16.31	UNABLE TO LOCATE - BURIED		--	--	--	--	--	--	--	--
02/27/04	16.31	UNABLE TO LOCATE - BURIED		--	--	--	--	--	--	--	--
05/28/04	-- ⁿ	-- ⁿ	9.40	91	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- ⁿ	-- ⁿ	10.61	150 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- ⁿ	-- ⁿ	9.16	170 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	-- ⁿ	-- ⁿ	7.21	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	-- ⁿ	-- ⁿ	7.71	86 ^o	55	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- ⁿ	-- ⁿ	9.88	820 ^{o,p,q}	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- ⁿ	-- ⁿ	10.06	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	-- ⁿ	-- ⁿ	6.95	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- ⁿ	-- ⁿ	7.52	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- ⁿ	-- ⁿ	10.73	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	-- ⁿ	-- ⁿ	10.70	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	19.26	8.91	10.35	73 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	19.26	9.98	9.28	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	19.26	8.75	10.51	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

As of 08/17/07

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Chevron (Signal Oil) Service Station #206145 (S-800)

800 Center Street
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-8											
02/14/02 ^{ij}	15.29	7.30	7.99	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
05/15/02 ^k	15.29	6.66	8.63	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02 ^k	15.29	5.48	9.81	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02 ^k	15.29	4.85	10.44	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 ^l	15.29	7.46	7.83	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.29	6.83	8.46	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.29	5.57	9.72	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	15.29	4.89	10.40	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	15.29	8.38	6.91	280	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	15.29	6.33	8.96	72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	15.29	4.79	10.50	92 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	15.29	6.68	8.61	53 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	15.29	8.79	6.50	<50 ^o	<50	<0.5	0.9	<0.5	<1.5	<2.5	--
06/09/05	15.29	8.26	7.03	63 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	15.29	6.18	9.11	<50 ^{o-p}	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	15.29	5.47	9.82	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	15.29	8.60	6.69	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	15.29	8.21	7.08	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	15.29	6.57	8.72	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	15.29	6.38	8.91	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	17.79	8.39	9.40	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	17.79	9.33	8.46	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	17.79	8.18	9.61	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-9											
04/20/07 ⁱ	18.42	10.39	8.03	1,100 ^o	4,100	28	6.9	9.2	240	--	--
06/22/07	18.42	8.82	9.60	310 ^o	500	4.4	<0.5	<0.5	12	--	--
08/17/07	18.42	8.67	9.75	92 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
MW-10											
04/20/07 ⁱ	17.99	8.35	9.64	260 ^o	1,200	29	31	11	140	--	--
06/22/07	17.99	8.29	9.70	110 ^o	<50	1.5	<0.5	<0.5	<1.5	--	--
08/17/07	17.99	7.81	10.18	53 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-11											
04/20/07 ⁱ	18.68	9.88	8.80	350 ^o	77	<2.0	4.6	<0.5	3.2	--	--
06/22/07	18.68	9.35	9.33	140 ^o	51	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	18.68	8.66	10.02	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
MW-12											
04/20/07 ⁱ	18.46	12.88	5.58	430 ^o	400	2.3	40	14	49	--	--
06/22/07	18.46	7.75	10.71	390 ^o	<50	0.7	1.1	<0.5	4.3	--	--
08/17/07	18.46	7.91	10.55	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
MW-13											
04/20/07 ⁱ	18.43	9.46	8.97	140 ^o	650	16	23	7.5	61	--	--
06/22/07	18.43	8.99	9.44	400 ^o	<50	0.6	0.9	<0.5	<1.5	--	--
08/17/07	18.43	8.53	9.90	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
MW-14											
04/20/07 ⁱ	18.59	8.17	10.42	2,000 ^o	16,000	550	1,600	620	2,400	--	--
06/22/07	18.59	7.55	11.04	1,300 ^o	3,700	190	150	49	580	--	--
08/17/07	18.59	7.82	10.77	780 ^o	2,600	74	54	11	220	--	--
MW-15											
04/20/07 ⁱ	18.38	9.78	8.60	720 ^o	240	1.0	1.3	<0.5	20	--	--
06/22/07	18.38	9.09	9.29	150 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	18.38	8.65	9.73	<50 ^o	<50	<0.5	<0.5	<0.5	<1.5	--	--
MW-16											
04/20/07 ⁱ	18.57	8.75	9.82	2,200 ^o	15,000	87	1,200	500	2,000	--	--
06/22/07	18.57	8.20	10.37	2,100 ^o	10,000	130	1,800	580	1,400	--	--
08/17/07	18.57	7.81	10.76	640 ^o	8,200	110	1,400	280	730	--	--

As of 08/17/07

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-17											
04/20/07 ⁱ	18.55	-0.95	19.50	1,300 ^o	7,400	66	880	300	1,300	--	--
06/22/07	18.55	8.21	10.34	690 ^o	2,000	35	27	9.3	360	--	--
08/17/07	18.55	2.33	16.22	240 ^o	380	6.7	2.3	0.5	15	--	--
 MW-1											
10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4,800	26,000	--	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3,500	470	2,100	<250	--
04/24/97	15.64	7.30	8.34	--	76,000	4,600	16,000	1,600	8,300	1,000	--
07/23/97	15.64	5.90	9.74	--	37,000	2,700	8,000	870	6,100	<250	--
10/29/97	15.64	INACCESSIBLE		--	--	--	--	--	--	--	--
01/28/98	15.64	9.30	6.34	--	10,000	380	2,000	300	1,500	<25	--
05/11/98	15.64	8.72	6.92	--	17,000	880	3,100	380	2,300	<250	--
07/16/98	15.64	7.23	8.41	--	29,000	2,700	6,800	890	3,900	<1,000	--
08/04/98 ^a	15.64	6.90	8.74	--	--	--	--	--	--	--	<1.0 x 10 ¹
09/03/98 ^a	15.64	6.43	9.21	--	--	--	--	--	--	--	4.1 x 10 ³
10/21/98 ^b	15.64	5.59	10.05	--	--	--	--	--	--	--	4.7 x 10 ²
11/04/98	15.64	5.64	10.00	--	25,000	1,900	5,900	810	4,300	<125	--
01/26/99	15.64	6.86	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.64	8.17	7.47	--	8,050	515	1,840	256	1,190	300/<20 ^e	--
08/21/99	15.64	13.27	2.37	--	46,500	2,530	8,700	1,010	5,300	<1,250/<40 ^e	--
10/28/99	15.64	5.46	10.18	--	31,600	1,580	6,100	794	4,400	1,270	--
01/31/00	15.64	7.49	8.15	--	7,270	366	1,280	171	935	<12.5	--
05/19/00	15.64	7.78	7.86	--	8,000 ^e	870	1,200	430	1,200	<250	--
08/07/00	15.64	6.42	9.22	--	37,000 ^e	2,400	8,500	1,100	5,500	1,500/<4.0 ^f	--
12/01/00	15.64	5.25	10.39	--	25,500 ^g	1,390	4,920	801	4,330	<500/<10 ^f	--
02/09/01	15.64	6.10	9.54	--	8,900 ^e	850	1,300	470	1,700	820/<2.0 ^f	--
05/29/01	15.64	6.79	8.85	--	24,000 ^e	1,800	5,600	740	3,700	<250/<2.0 ^f	--
08/27/01 ^h	15.64	5.83	9.81	--	27,000	1,400	4,400	710	3,400	-/<20 ^f	--
11/28/01	15.64	5.84	9.80	--	26,000	1,300	3,900	620	3,400	<100/<2 ^f	--
02/14/02	15.63	8.34	7.29	--	1,400	100	360	45	240	9.3/<2 ^f	--
05/15/02	15.63	7.18	8.45	--	37,000	2,400	7,300	1,000	4,800	<100/<3.0 ^f	--
08/05/02	15.63	6.09	9.54	--	27,000	1,500	4,600	700	3,400	<100/<3.0 ^f	--

DESTROYED

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Chevron (Signal Oil) Service Station #206145 (S-800)
 800 Center Street
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
TRIP BLANK					<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
01/26/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
05/06/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/07/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
12/01/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
02/09/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--<5.0 ^f	--
08/27/01 ^h	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA					<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/28/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/02/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

As of 08/17/07

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
QA (cont)											
05/17/06	--	--	--		<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 19, 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-D = Total Petroleum Hydrocarbons as Diesel	TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene T = Toluene E = Ethylbenzene X = Xylenes MTBE = Methyl tertiary butyl ether	CUB = Contaminate utilizing bacteria (cfu/ml) = Colony forming unit per milliliter (ppb) = Parts per billion -- = Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank
--	---	---

- * TOC elevations were surveyed on May 30, 2007, by Morrow Surveying. Vertical Datum is NAVD 88 from GPS observations. TOC elevations were surveyed on August 17, 2005, by Morrow Surveying. Gettler-Ryan received updated TOC data March 12, 2007. Vertical Datum is NAVD 88 from GPS observations. On February 18, 2003 MW-1A was surveyed using the previous benchmark. TOC elevations were surveyed on December March 4, 2002, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, #25-H monument disk in well casing in sidewalk at the northwest corner of 7th and Center. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83), (Benchmark Elevation = 10.784 feet NGVD 29).
- a Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.
- b Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.
- c Confirmation run.
- d Chromatogram pattern indicates an unidentified hydrocarbon.
- e Laboratory report indicates gasoline C6-C12.
- f MTBE by EPA Method 8260.
- g Laboratory reports indicates weathered gasoline C6-C12.
- h TPH-G and BTEX by EPA Method 8260.
- i Well development performed.
- j TPH-D was detected at 130 ppb.
- k TPH-D was <50 ppb.
- l Well re-development performed.
- m Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- n TOC damaged; unable to calculate an accurate GWE.
- o TPH-D with silica gel clean-up.
- p Laboratory report indicates analysis performed out of hold time.
- q Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- r Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
- s Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.
- t Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range, and individual peaks eluting in the DRO range.
- u Laboratory confirmed result.

As of 08/17/07

Table 2
Field Measurements and Analytical Results
Former Chevron (Signal Oil) Service Station #206145 (S-800)
800 Center Street
Oakland, California

WELL ID/ DATE	Pre-purge DO (mg/L)	Post-purge DO (mg/L)	Pre-purge ORP (mV)	Post-purge ORP (mV)	Total Alkalinity (ppb)	Ferrous Iron (ppb)	Nitrate as Nitrate (ppb)	Sulfate (ppb)
MW-1 09/03/98	2.3	1.6	-90	-103	230,000	9,800	<1,000	6,100
MW-2 09/03/98	2.8	2.5	-206	-163	390,000	7,400	<1,000	21,000
MW-3 09/03/98	3.1	0.7	-124	-99	830,000	45,000	<1,000	10,000
MW-4 09/03/98	2.6	1.1	-190	-206	--	--	--	--
MW-6 09/03/98	2.6	3.2	-148	-167	94,000	62	28,000	47,000
MW-7 09/03/98	2.7	3.2	-207	-229	170,000	120	7,800	57,000

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

DO = Dissolved Oxygen

(mg/L) = Milligram per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

(ppb) = Parts per billion

-- = Not Analyzed

Table 3

Groundwater Analytical Results - Oxygenate Compounds
Former Chevron (Signal Oil) Service Station #206145 (S-800)

800 Center Street
Oakland, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)	
MW-1	08/07/00	--	<1,000	410	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	
	12/01/00	--	<2,500	<250	<10	<10	<10	<10	<10	<10	
	02/09/01	--	<500	340	<2.0	<2.0	<2.0	53	<2.0	<2.0	
	05/29/01	--	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	08/27/01	<2.000	<200	230	<20	<20	<20	<20	<20	<20	
	11/28/01	--	<500	130	<2	<2	<2	<2	<2	<2	
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2	
	05/15/02	--	<500	120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
	08/05/02	--	<500	100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
DESTROYED											
MW-2	08/07/00		<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	08/27/01	--	--	--	<5.0	--	--	--	--	--	
MW-3	08/07/00	--	<500	2,600	<10	<10	<10	<10	490	17	
	02/09/01	--	<500	2,000	<2.0	<2.0	<2.0	35	<2.0	<2.0	
	05/29/01	--	<500	1,700 ¹	<2.0	<2.0	<2.0	38	980 ¹	7.4	
	08/27/01	<5.000	<250	1,300	<25	<25	<25	<25	380	<25	
	11/28/01	--	<500	1,500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2	
	05/15/02	--	<500	110	<2	<2	<2	<2	120	<2	
	08/05/02	--	<1,000	1,400	<10	<10	<10	<10	670	<10	
	11/30/02	--	<1,000	1,200	<10	<10	<10	<10	380	<10	
MW-4	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	18	<2.0	
	08/27/01	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--	--
	11/28/01	DRY	--	--	--	--	--	<2	9	<2	
	02/14/02	--	<500	<100	<2	<2	<2	<2	4	<2	
	05/15/02	--	<500	<100	<2	<2	<2	<2	--	--	
	08/05/02	DRY	--	--	--	--	--	--	--	--	
	11/30/02	DRY	--	--	--	--	--	--	--	--	
MW-5	12/01/00	--	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	02/09/01	--	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	08/27/01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	
	11/28/01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2	

As of 08/17/07

Table 3

Groundwater Analytical Results - Oxygenate Compounds
 Former Chevron (Signal Oil) Service Station #206145 (S-800)
 800 Center Street
 Oakland, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-5 (cont)	05/15/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	08/05/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	11/30/02	--	<500	<100	<2	<2	<2	<2	<2	<2
MW-6	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
	11/30/02	DRY	--	--	--	--	--	--	--	--
MW-7	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
MW-8	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = 1,2-Dibromoethane
 (ppm) = Parts per million
 (ppb) = Parts per billion
 -- = Not Analyzed

ANALYTICAL METHODS:

EPA Method 8260 (modified) for Methanol
 EPA Method 8260 for Oxygenate Compounds

¹ Laboratory report indicates this sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hill, California.

CHEVRON SERVICE STATION #206145
Oakland, CA

SPECIAL EVENT OF
April 20, 2007

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 4-20-07
 City: Oakland, CA Sampler: SH

Well ID: MW-9 Date Monitored: 4-20-07 Well Condition: OK

Well Diameter: 2 in.
 Initial Total Depth: 37.56 ft.
 Final Total Depth: 38.97 ft.
 Depth to Water: 8.03 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

29.53 x VF 0.17 = 5 x 10 (case volume) = Estimated Purge Volume: 50 gal.

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

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

Time Started: _____ (2400 hrs)
 Time 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: _____ gal
 Product Transferred to: _____

Start Time (purge): 1209 Weather Conditions: Clear
 Sample Time/Date: 1305 / 4-20-07 Water Color: Clear Odor: NO
 Purging Flow Rate: 2 gpm. Sediment Description: light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)
1212	5	8.11	804	17.8		
1215	10	8.05	973	17.7		
1218	15	8.02	1235	17.8		
1221	20	7.95	1334	17.8		
1224	25	7.91	1212	17.7		
1227	30	7.89	1163	17.7		
1230	35	7.87	1135	17.7		
1233	40	7.72	1213	17.8		
1236	45	7.75	1217	17.8		
1239	50	7.73	1021	17.8		

LABORATORY INFORMATION

SAMPLE ID	#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 11-20-07
 City: Oakland, CA Sampler: SIT

Well ID: MW-10 Date Monitored: 11-20-07 Well Condition: OK
 Well Diameter: 2 in.
 Initial Total Depth: 53.65 ft.
 Final Total Depth: 58.42 ft.
 Depth to Water: 9.64 ft.
44.01 xVF 1.17 = 7.18 x10 (case volume) = Estimated Purge Volume: 75 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time 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: _____ gal
 Product Transferred to: _____

Start Time (purge): 1033 Weather Conditions: Clear
 Sample Time/Date: 1140 11-20-07 Water Color: Clear Odor: NO
 Purging Flow Rate: 2 gpm. Sediment Description: light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1047	7.5	8.11	1956	16.8		
1051	15	8.06	1963	17.0		
1055	22.5	8.03	1969	17.2		
1059	30	8.02	1983	17.6		
1103	37.5	8.00	2098	17.8		
1107	45	7.97	2104	17.8		
1111	52.5	8.00	2102	17.9		
1115	60	8.01	2100	17.9		
1119	67.5	7.96	2098	18.0		
1123	75	7.99	2099	18.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 4/20/07
 Sampler: HAIG K.

Well ID: MW-11
 Well Diameter: 2 in.
 Initial Total Depth: 37.49 ft.
 Final Total Depth: 39.64 ft.
 Depth to Water: 8.80 ft.

Date Monitored: 4/20/07 Well Condition: NEW

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

28.69 x VF 0.17 = 4.8 x10 (case volume) = Estimated Purge Volume: 48 gal.

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Other:

Time Started: _____ (2400 hrs)
 Time 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: _____ gal
 Product Transferred to: _____

Start Time (purge): 0810 Weather Conditions: CLOUDY
 Sample Time/Date: 0855/4/20/07 Water Color: CLOUDY/CLEAR Odor: NO
 Purging Flow Rate: 2-3 gpm. Sediment Description: SAND
 Did well de-water? If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0817	5	7.68	426	15.9		
0822	10	7.59	438	16.3		
0824	15	7.56	433	16.0		
0826	20	7.52	435	16.0		
0828	25	7.50	439	16.1		
0830	30	7.53	445	16.3		
0833	35	7.45	446	16.1		
0836	40	7.44	443	16.2		
0839	45	7.42	445	16.4		
0843	50	7.40	448	16.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				LANCASTER	LANCASTER	
MW-11	3 x vovial	YES	HCL	LANCASTER	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP			TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock: 1

Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 4/20/07
 City: Oakland, CA Sampler: HAIG K.

Well ID: MW-12 Date Monitored: 4/20/07 Well Condition: NEW
 Well Diameter: 2 in.
 Initial Total Depth: 55.18 ft.
 Final Total Depth: 58.20 ft.
 Depth to Water: 5.58 ft.
 $49.60 \times VF \ 0.17 = 8 \times 10 \text{ (case volume)} = \text{Estimated Purge Volume: } 80 \text{ gal.}$

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____ gal
 Product Transferred to: _____

Start Time (purge): 0905 Weather Conditions: CLOUDY
 Sample Time/Date: 1005/4/20/07 Water Color: CLOUDY SANDY Odor: NO
 Purging Flow Rate: 2-3 gpm. Sediment Description: SAND
 Did well de-water? YES If yes, Time: 0940 Volume: 252 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	
<u>0918</u>	<u>10</u>	<u>7.54</u>	<u>455</u>	<u>16.7</u>			
<u>0926</u>	<u>20</u>	<u>7.58</u>	<u>462</u>	<u>16.9</u>			
<u>0929</u>	<u>30</u>	<u>7.46</u>	<u>464</u>	<u>17.0</u>			
<u>0934</u>	<u>40</u>	<u>7.45</u>	<u>467</u>	<u>17.1</u>			
<u>0939</u>	<u>50</u>	<u>7.43</u>	<u>469</u>	<u>17.0</u>			
	<u>60</u>	<u>DEWATERED</u>					
	<u>70</u>						
	<u>80</u>						

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-12</u>	<u>3</u> x vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____
 Add/Replaced Lock: 1 Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 4-20-07
 City: Oakland, CA Sampler: _____

Well ID: MW-13 Date Monitored: 4-20-07 Well Condition: OK
 Well Diameter: 2 in.
 Initial Total Depth: 33.81 ft.
 Final Total Depth: 38.43 ft.
 Depth to Water: 8.97 ft.
24.87 xVF -1.7 = 4.22 x10 (case volume) = Estimated Purge Volume: 42 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time 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: _____ gal
 Product Transferred to: _____

Start Time (purge): 0803 Weather Conditions: Cloudy
 Sample Time/Date: 0855 / 4-20-07 Water Color: Clear Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
0805	4	7.70	637	16.0		
0807	8	7.78	636	16.7		
0809	12	7.75	635	16.8		
0811	16	7.71	636	17.0		
0813	20	7.52	633	17.1		
0815	24	7.50	631	17.2		
0816	28	7.38	632	17.2		
0818	32	7.37	630	17.4		
0820	36	7.37	630	17.6		
0822	42	7.38	631	17.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	3 x vovial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	x500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____
 Add/Replaced Lock: Add/Replaced Plug: Size: 2"

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 4-20-07
 Sampler: SH

Well ID: MW-14
 Well Diameter: 2 in.
 Initial Total Depth: 53.62 ft.
 Final Total Depth: 58.91 ft.
 Depth to Water: 10.42 ft.
43.20

Date Monitored: 4-20-07 Well Condition: OK

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

1.7 x VF = 7.34 x 10 (case volume) = Estimated Purge Volume: 73.5 gal.

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

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

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

Start Time (purge): 0913 Weather Conditions: Cloudy
 1010 Sample Time/Date: 1500 4-20-07 Water Color: Tan Odor: NO
 Purging Flow Rate: 2 gpm. Sediment Description: heavy
 Did well de-water? yes If yes, Time: 0940 Volume: 45 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0917	7	7.24	816	17.8		
0921	14	7.43	783	18.1		
0924	21	7.49	705	18.2		
0929	28	7.54	674	18.2		
0433	35	7.79	631	18.0		
0437	42	7.84	575	17.9		
0941	49					
0445	56					
0447	63					
0955	74					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3 x vovial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: Well de-aerated at 6 case volumes, allowed to recover for 30 minutes, then sampled

Add/Replaced Lock: X Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 4/20/07
 Sampler: HARGR.

Well ID: MW-15
 Well Diameter: 2 in.
 Initial Total Depth: 34.37 ft.
 Final Total Depth: 36.82 ft.
 Depth to Water: 8.60 ft.

Date Monitored: 4/20/07 Well Condition: NEW

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

xVF 0.17 = 4.3 x10 (case volume) = Estimated Purge Volume: 43 gal.

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Other:

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

Start Time (purge): 1138 Weather Conditions: CLOUDY
 Sample Time/Date: 1320/4/20/07 Water Color: CLOUDY Odor: NO
 Purging Flow Rate: 2-3 gpm. Sediment Description: SAND
 Did well de-water? YES If yes, Time: 1158 Volume: ~20 gal.
1238 25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>1149</u>	<u>5</u>	<u>7.66</u>	<u>579</u>	<u>18.8</u>		
<u>1153</u>	<u>10</u>	<u>7.58</u>	<u>581</u>	<u>19.1</u>		
<u>1155</u>	<u>15</u>	<u>7.55</u>	<u>588</u>	<u>19.0</u>		
<u>1159</u>	<u>20</u>	<u>7.53</u>	<u>586</u>	<u>19.1</u>		
<u>1158</u>	<u>DEWATERED WAITED 40 MINUTES</u>					
<u>1238</u>	<u>25</u>	<u>DEWATERED WAITED 40 MINUTES, SAMPLED.</u>				

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: WELL DEWATERS (PURGED 6 CASE VOLUMES)

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 4/20/07
 City: Oakland, CA Sampler: HAIG R.

Well ID: MW-16
 Well Diameter: 2 in.
 Initial Total Depth: 56.09 ft.
 Final Total Depth: 58.18 ft.
 Depth to Water: 9.82 ft.
46.27

Date Monitored: 4/20/07 Well Condition: NEW

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

$46.27 \times VF \ 0.17 = 7.8 \times 10 \text{ (case volume)} = \text{Estimated Purge Volume: } 78 \text{ gal.}$

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Other:

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____ gal
 Product Transferred to: _____

Start Time (purge): 1247 Weather Conditions: CLOUDY
 Sample Time/Date: 1430 4/20/07 Water Color: CLOUDY Odor: YES
 Purging Flow Rate: 2-3 gpm. Sediment Description: SAND
 Did well de-water? YES If yes, Time: 1312/1350 Volume: 40/47 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1259	10	7.95	437	19.0		
1304	20	7.87	429	19.4		
1308	30	7.84	431	19.3		
1312	40	DEWATERED		WAITED	35 MINUTES	
1350	47	DEWATERED		WAITED	40 MINUTES, SAMPLED.	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	3 x vva vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: WELL DEWATERS (PURGED 6 CASE VOLUMES)

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 4/20/07
 Sampler: HAIG K.

Well ID: MW-17
 Well Diameter: 2 in.
 Initial Total Depth: 71.22 ft.
 Final Total Depth: 73.08 ft.
 Depth to Water: 19.50 ft.
51.72

Date Monitored: 4/20/07 Well Condition: NEW

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

xVF 0.17 = 8.7 x10 (case volume) = Estimated Purge Volume: 87 gal.

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Other:

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____ gal
 Product Transferred to: _____

Start Time (purge): 1020 Weather Conditions: CLOUDY
 Sample Time/Date: 1225/4/20/07 Water Color: CLOUDY SANDY Odor: YES/SLIGHT
 Purging Flow Rate: 2-3 gpm. Sediment Description: SAND
 Did well de-water? YES If yes, Time: 1050/1124 Volume: 40/50 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1035</u>	<u>10</u>	<u>7.39</u>	<u>568</u>	<u>18.3</u>		
<u>1041</u>	<u>20</u>	<u>7.33</u>	<u>576</u>	<u>18.5</u>		
<u>1045</u>	<u>30</u>	<u>7.28</u>	<u>574</u>	<u>18.6</u>		
<u>1050</u>	<u>40</u>	<u>DEWATERED WAITED 30 MINUTES</u>				
<u>1124</u>	<u>50</u>	<u>DEWATERED WAITED 1 Hr 60% RECOVERY</u>				
	<u>60</u>					
	<u>70</u>					
	<u>80</u>					
	<u>90</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2x 500ml Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: WELL DEWATERS (PURGED 6.5 CASE VOLUMES)

Add/Replaced Lock: 1

Add/Replaced Plug: _____ Size: _____

For Lancaster Laboratories use only
Acct #: 10904 Sample #: 503576978

SCR#: _____

042307-07

Analyses Requested

1034918

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

Matrix

Soil Water Air
 Potable NPDES

Total Number of Containers

BTEX 8021
 TPH 8015 MOD GRO
 TPH 8015 MOD DRO Silica Gel Cleanup
 8260 full scan
 Oxygenates
 Lead 7420 7421

Preservation Codes

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

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

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy s on highest hit
 Run ___ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
<u>GA</u>	<u>4/20/07</u>															
<u>MW-9</u>		<u>1305</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-10</u>		<u>1140</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-11</u>		<u>0855</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-12</u>		<u>1005</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-13</u>		<u>0855</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-14</u>		<u>1010</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-15</u>		<u>1320</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-16</u>		<u>1430</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-17</u>	<u>✓</u>	<u>1225</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

Comments / Remarks

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

Data Package Options (please circle if required)
 QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed **EDF/EDD**
 WIP (RWQCB)
 Disk

Relinquished by: [Signature] Date: 4/20/07 Time: _____
 Received by: Diane Date: 4/23/07 Time: _____

Relinquished by: Diane Date: 4/23/07 Time: _____
 Received by: Marilyn Wright Date: 4/23/07 Time: 1345

Relinquished by: [Signature] Date: 4/23/07 Time: 1530
 Received by: DHL Date: 4/23/07 Time: _____

Relinquished by Commercial Carrier: [Signature] Date: _____ Time: _____
 UPS FedEx Other: (DHL)
 Received by: Kathy Binkley Date: 4-24-07 Time: 1005

Temperature Upon Receipt: 1.0 - 4.6 °C Range
 Custody Seals Intact? Yes No



Analysis Report

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

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1034918. Samples arrived at the laboratory on Tuesday, April 24, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description

<u>Client Description</u>	<u>NA</u>	<u>Water</u>
QA-T-070420		
MW-9-W-070420	Grab	Water
MW-10-W-070420	Grab	Water
MW-11-W-070420	Grab	Water
MW-12-W-070420	Grab	Water
MW-13-W-070420	Grab	Water
MW-14-W-070420	Grab	Water
MW-15-W-070420	Grab	Water
MW-16-W-070420	Grab	Water
MW-17-W-070420	Grab	Water

Lancaster Labs Number

5035769
5035770
5035771
5035772
5035773
5035774
5035775
5035776
5035777
5035778

ELECTRONIC
COPY TO

Cambria c/o Gettler-Ryan

Attn: Cheryl Hansen



Analysis Report

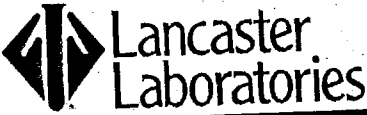
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

Susan M. Goshert
Group Leader



Analysis Report

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

Lancaster Laboratories Sample No. WW 5035769

QA-T-070420 NA Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 QA
 Collected: 04/20/2007

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAKQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 09:29	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 09:29	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 09:29	Linda C Pape	1

Lancaster Laboratories Sample No. **WW 5035770**

 MW-9-W-070420 **Grab Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 **MW-9**
 Collected: 04/20/2007 13:05 by HK

Account Number: 10904

 Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,100.	290.	ug/l	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	4,100.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	28.	0.5	ug/l	1
02164	Toluene	108-88-3	6.9	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	9.2	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	240.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 06:15	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 13:48	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 13:48	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 13:48	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1

Lancaster Laboratories Sample No. **WW 5035771**

MW-10-W-070420 **Grab Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 **MW-10**
 Collected: 04/20/2007 11:40 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	260.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	1,200.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	29.	0.5	ug/l	1
02164	Toluene	108-88-3	31.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	11.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	140.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 07:36	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 14:09	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 14:09	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 14:09	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5035772

MW-11-W-070420 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-11
 Collected: 04/20/2007 08:55 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK11

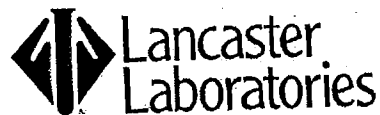
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	350.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	77.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	4.6	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	3.2	1.5	ug/l	1
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for benzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 07:58	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 19:04	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 19:04	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:04	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035773

MW-12-W-070420 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-12
 Collected: 04/20/2007 10:05 by HK

Account Number: 10904

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

OAK12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	430.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	400.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	2.3	0.5	ug/l	1
02164	Toluene	108-88-3	40.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	14.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	49.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 08:21	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 14:51	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 14:51	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 14:51	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. **WW 5035774**

MW-13-W-070420 **Grab Water**
Facility# 206145 Job# 386492 **GRD**
800 Center Street-Oakland T0600102230 MW-13
Collected: 04/20/2007 08:55 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
Reported: 05/04/2007 at 10:40
Discard: 06/04/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OAK13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	140.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	650.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	16.	0.5	ug/l	1
02164	Toluene	108-88-3	23.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	7.5	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	61.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 08:44	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 15:12	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 15:12	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 15:12	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035775

MW-14-W-070420 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-14
 Collected: 04/20/2007 10:10 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
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OAK14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,000.	300.	ug/l	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	16,000.	500.	ug/l	10
05879	BTEX					
02161	Benzene	71-43-2	550.	5.0	ug/l	10
02164	Toluene	108-88-3	1,600.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	620.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,400.	15.	ug/l	10

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 18:14	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 19:25	Linda C Pape	10
05879	BTEX	SW-846 8021B	1	04/25/2007 19:25	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:25	Linda C Pape	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035776

MW-15-W-070420 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-15
 Collected: 04/20/2007 13:20 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	720.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	240.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	1.0	0.5	ug/l	1
02164	Toluene	108-88-3	1.3	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	20.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 10:36	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 10:37	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 10:37	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 10:37	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5035777

MW-16-W-070420 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-16
 Collected: 04/20/2007 14:30 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:40
 Discard: 06/04/2007

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OAK16

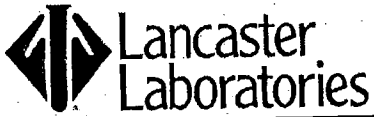
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,200.	300.	ug/l	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	15,000.	250.	ug/l	5
<p>The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.</p>						
05879	BTEX					
02161	Benzene	71-43-2	87.	2.5	ug/l	5
02164	Toluene	108-88-3	1,200.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	500.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	2,000.	7.5	ug/l	5
<p>The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.</p>						

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 18:36	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 19:46	Linda C Pape	5
05879	BTEX	SW-846 8021B	1	04/25/2007 19:46	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:46	Linda C Pape	5



Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. WW 5035777

MW-16-W-070420 Grab Water GRD
Facility# 206145 Job# 386492
800 Center Street-Oakland T0600102230 MW-16
Collected: 04/20/2007 14:30 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
Reported: 05/04/2007 at 10:40
Discard: 06/04/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OAK16
02376 Extraction - Fuel/TPH SW-846 3510C 1 04/26/2007 11:00 Mariam G Attalla 1
(Waters)



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035778

MW-17-W-070420 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-17
 Collected: 04/20/2007 12:25 by HK

Account Number: 10904

Submitted: 04/24/2007 10:05
 Reported: 05/04/2007 at 10:41
 Discard: 06/04/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,300.	150.	ug/l	5
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	7,400.	250.	ug/l	5
05879	BTEX					
02161	Benzene	71-43-2	66.	2.5	ug/l	5
02164	Toluene	108-88-3	880.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	300.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	1,300.	7.5	ug/l	5

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 07:22	Heather E Williams	5
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 20:07	Linda C Pape	5
05879	BTEX	SW-846 8021B	1	04/25/2007 20:07	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 20:07	Linda C Pape	5
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1

Quality Control Summary

 Client Name: Chevron
 Reported: 05/04/07 at 10:41 AM

Group Number: 1034918

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 071150025A TPH-DRO (Water) w/Si Gel	Sample number(s): 5035770-5035778			96	94	63-119	3	20
	N.D.	29.	ug/l					
Batch number: 07115A54A TPH-GRO - Waters	Sample number(s): 5035769-5035778			124	122	75-135	1	30
Benzene	N.D.	50.	ug/l	98	100	86-119	2	30
Toluene	N.D.	0.5	ug/l	97	99	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	98	100	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	99	101	82-120	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: 07115A54A TPH-GRO - Waters	Sample number(s): 5035769-5035778 UNSPK: P035808, P035814								
Benzene	98	96	63-154	1	30				
Toluene	111	110	78-131	1	20				
Ethylbenzene	110	110	78-129	0	30				
Total Xylenes	111	111	75-133	0	30				
	112	111	84-131	0	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: TPH-DRO (Water) w/Si Gel
 Batch number: 071150025A
 Orthoterphenyl

5035770	96
5035771	90
5035772	104
5035773	115
5035774	97
5035775	58*
5035776	92
5035777	87
5035778	95

* - Outside of specification

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

Quality Control Summary

Client Name: Chevron
Reported: 05/04/07 at 10:41 AM

Group Number: 1034918

Surrogate Quality Control

Blank 97
LCS 120
LCSD 119

Limits: 59-131

Analysis Name: BTEX
Batch number: 07115A54A
Trifluorotoluene-F

Trifluorotoluene-P

5035769	91	86
5035770	113	92
5035771	93	85
5035772	89	86
5035773	93	85
5035774	92	85
5035775	94	87
5035776	90	83
5035777	166*	116
5035778	88	84
Blank	90	86
LCS	101	86
LCSD	101	86
MS	96	86
MSD	94	86

Limits: 63-135

69-129

*- Outside of specification

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

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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CHEVRON SERVICE STATION #206145
Oakland, CA

SPECIAL EVENT OF
June 22, 2007



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-07 (inclusive)
 Sampler: DAN M

Well ID: MW-9 Date Monitored: 6-22-07 Well Condition: SEE WCSS

Well Diameter: 2
 Total Depth: 38.97 ft.
 Depth to Water: 9.60 ft.
23.97 xVF 2.17 = 4.9 x3 case volume = Estimated Purge Volume: 15 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1310 Weather Conditions: CLEAR
 Sample Time/Date: 1330/6-22-07 Water Color: CLOUDY Odor: NO
 Purging Flow Rate: 2.0 gpm. Sediment Description: NONE
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1313</u>	<u>5</u>	<u>8.03</u>	<u>818</u>	<u>21.1</u>	_____	_____
<u>1316</u>	<u>10</u>	<u>7.78</u>	<u>774</u>	<u>20.3</u>	_____	_____
<u>1319</u>	<u>15</u>	<u>7.71</u>	<u>765</u>	<u>20.1</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock: Add/Replaced Plug: Size: 2"



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-07 (inclusive)
 Sampler: DAN M

Well ID: MW-10
 Well Diameter: 2
 Total Depth: 58.92 ft.
 Depth to Water: 9.70 ft.
49.22 xVF +17 = 8.3 x3 case volume = Estimated Purge Volume: 249 gal.

Date Monitored: 6-22-07 Well Condition: SEE WCSS

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____

Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1235 Weather Conditions: CLEAR
 Sample Time/Date: 1300 16-22-07 Water Color: CLOUDY Odor: NO
 Purging Flow Rate: 2.5 gpm. Sediment Description: NOISE
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1239</u>	<u>8</u>	<u>10.96</u>	<u>348</u>	<u>20.9</u>	_____	_____
<u>1243</u>	<u>16</u>	<u>10.51</u>	<u>378</u>	<u>20.8</u>	_____	_____
<u>1247</u>	<u>25</u>	<u>9.19</u>	<u>1023</u>	<u>20.9</u>	_____	_____
<u>1250</u>	<u>32</u>	<u>9.08</u>	<u>1053</u>	<u>21.0</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock:

Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 6-22-07 (inclusive)
 City: Oakland, CA Sampler: Aaron

Well ID: MW-11 Date Monitored: 6-22-07 Well Condition: success

Well Diameter: 2
 Total Depth: 39.64 ft.
 Depth to Water: 9.33 ft.
30.31 xVF .17 = 5.1 x3 case volume = Estimated Purge Volume: 15.3 gal.

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

Purge Equipment:
 Disposable Bailor _____
 Stainless Steel Bailor _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailor _____
 Pressure Bailor _____
 Discrete Bailor _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1153 Weather Conditions: Sunny
 Sample Time/Date: 1215 6-22-07 Water Color: clearly Odor: No
 Purging Flow Rate: 2 gpm. Sediment Description: light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1153</u>	<u>5</u>	<u>7.98</u>	<u>649</u>	<u>20.9</u>		
<u>1158</u>	<u>10</u>	<u>7.45</u>	<u>612</u>	<u>19.4</u>		
<u>1201</u>	<u>15</u>	<u>7.25</u>	<u>584</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock: Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-7 (inclusive)
 Sampler: Aaron C.

Well ID: MW-12
 Well Diameter: 2
 Total Depth: 58.20 ft.
 Depth to Water: 10.71 ft.
47.49

Date Monitored: 6-22-7 Well Condition: see wcss

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

xVF: 17 = 8.0 x3 case volume= Estimated Purge Volume: 24 gal.

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

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

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

Start Time (purge): 1256 Weather Conditions: Sunny
 Sample Time/Date: 1320 16-22-7 Water Color: Cloudy Odor: no
 Purging Flow Rate: 1.7 gpm. Sediment Description: light
 Did well de-water? yes If yes, Time: 1321 Volume: 8 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1301</u>	<u>8</u>	<u>6.65</u>	<u>403</u>	<u>24.1</u>		
	<u>16</u>					
	<u>24</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				LANCASTER	LANCASTER	
MW-12	3 x vva vial	YES	HCL	LANCASTER	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock: ✓

Add/Replaced Plug: ✓ Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-07 (inclusive)
 Sampler: DAN M

Well ID: MW-13 Date Monitored: 6-22-07 Well Condition: SEE WCSS
 Well Diameter: 2
 Total Depth: 38.43 ft.
 Depth to Water: 9.44 ft.
28.99 xVF 17 = 4.9 x3 case volume = Estimated Purge Volume: 15 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1158 Weather Conditions: CLEAR
 Sample Time/Date: 1220 6-22-07 Water Color: SLIGHTLY CLOUDY Odor: SLIGHT
 Purging Flow Rate: 2.0 gpm. Sediment Description: NONE
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1158</u>	<u>5</u>	<u>6.92</u>	<u>567</u>	<u>20.3</u>		
<u>1201</u>	<u>10</u>	<u>6.85</u>	<u>569</u>	<u>19.7</u>		
<u>1204</u>	<u>15</u>	<u>6.82</u>	<u>572</u>	<u>19.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-13</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-07 (inclusive)
 Sampler: DAN M

Well ID: MW-14
 Well Diameter: 2
 Total Depth: 58.91 ft.
 Depth to Water: 11.04 ft.
47.87

Date Monitored: 6-22-07 Well Condition: SEE WCSS

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

xVF 1.7 = 8.13 x3 case volume = Estimated Purge Volume: 24.41 gal.

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1350 Weather Conditions: CLEAR
 Sample Time/Date: 1420/6-22-07 Water Color: CLOUDY Odor: YES
 Purging Flow Rate: 2.0 gpm. Sediment Description: FINE SILT
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1354</u>	<u>8.0</u>	<u>7.58</u>	<u>1021</u>	<u>21.1</u>	_____	_____
<u>1358</u>	<u>16.0</u>	<u>7.63</u>	<u>983</u>	<u>20.5</u>	_____	_____
<u>1403</u>	<u>24.5</u>	<u>7.67</u>	<u>1004</u>	<u>20.4</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-14</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2 x 500ml Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

Add/Replaced Lock: ✓

Add/Replaced Plug: ✓ Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 6-22-7 (inclusive)
 City: Oakland, CA Sampler: AmorC

Well ID: MW-15 Date Monitored: 6-22-7 Well Condition: SWKPS

Well Diameter: 2
 Total Depth: 36.82 ft.
 Depth to Water: 9.29 ft.

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

Depth to Water: 27.53 xVF .17 = 4.6 x3 case volume= Estimated Purge Volume: 140 gal.

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1226 Weather Conditions: Sunny
 Sample Time/Date: 1245 6-22-7 Water Color: Clear Odor: No
 Purging Flow Rate: 2 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1228</u>	<u>4</u>	<u>6.82</u>	<u>419</u>	<u>19.4</u>		
<u>1230</u>	<u>8</u>	<u>6.69</u>	<u>420</u>	<u>19.2</u>		
<u>1233</u>	<u>14</u>	<u>6.56</u>	<u>421</u>	<u>19.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

Add/Replaced Lock: Add/Replaced Plug: Size: 20



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 6-22-7 (inclusive)
 Sampler: Amor C

Well ID: MW-16
 Well Diameter: 2
 Total Depth: 58.18 ft.
 Depth to Water: 10.37 ft.
47.81 xVF 1.7 = 8.1

Date Monitored: 6-22-7 Well Condition: success

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

x3 case volume= Estimated Purge Volume: 24 gal.

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

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

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

Start Time (purge): 1411 Weather Conditions: Sunny
 Sample Time/Date: 1430/6-22-7 Water Color: Cloudy Odor: no
 Purging Flow Rate: 1-2 gpm. Sediment Description: _____
 Did well de-water? yes If yes, Time: 1418 Volume: 8 gal.

Time (2400 hr)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (F)	D.O. (mg/L)	ORP (mV)
<u>1418</u>	<u>8</u>	<u>8.32</u>	<u>459</u>	<u>90.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock:

Add/Replaced Plug:

Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 6-22-7 (inclusive)
 City: Oakland, CA Sampler: Janone

Well ID: MW-17 Date Monitored: 6-22-7 Well Condition: run w/SS

Well Diameter: 2
 Total Depth: 73.08 ft.
 Depth to Water: 10-34 ft.
62-74 xVF 1.7 = 10.6 x3 case volume = Estimated Purge Volume: 31.8 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1333 Weather Conditions: Sunny
 Sample Time/Date: 1355 6-22-7 Water Color: Cloudy Odor: no
 Purging Flow Rate: 1-2 gpm. Sediment Description: _____
 Did well de-water? yes If yes, Time: 1340 Volume: 10 gal.

Time (2400 hr)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1340</u>	<u>10</u>	<u>7.87</u>	<u>836</u>	<u>21.6</u>		
	<u>20</u>					
	<u>32</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

Add/Replaced Lock: 7 Add/Replaced Plug: X Size: 2 1/2

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct #: 10904 Sample # 5088410-19 Group #: 002123

062207-10

G#1044025

Facility #: SS#206145-OML G-R#386492 Global ID#T0600102230
 Site Address: 800 CENTER STREET, OAKLAND, CA
 Chevron PM: SS Lead Consultant: CRACE
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: Aaron Chandler

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix			Total Number of Containers	Analyses Requested							Comments / Remarks			
					Soil	Water	Oil		Preservation Codes										
					<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	<input type="checkbox"/> Air		<input checked="" type="checkbox"/> BTEX	<input type="checkbox"/> 8260	<input type="checkbox"/> 8021	<input type="checkbox"/> TPH 8015 MOD GRO	<input checked="" type="checkbox"/> TPH 8015 MOD DRO	<input checked="" type="checkbox"/> Silica Gel Cleanup	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Total Lead Method	<input type="checkbox"/> Dissolved Lead Method	
QA	6-22-07		X		X	X		2	X	X		X	X						
MW-9		1330	X		X	X		5	X	X		X	X						
MW-10		1300	X		X	X		5	X	X		X	X						
MW-11		1215	X		X	X		5	X	X		X	X						
MW-12		1320	X		X	X		5	X	X		X	X						
MW-13		1220	X		X	X		5	X	X		X	X						
MW-14		1420	X		X	X		5	X	X		X	X						
MW-15		1245	X		X	X		5	X	X		X	X						
MW-16		1430	X		X	X		5	X	X		X	X						
MW-17		1355	X		X	X		5	X	X		X	X						

Preservative Codes

H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

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

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed **EDF/EDD**
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>6-22-07</u>	Time: <u>1530</u>	Received by: <u>[Signature]</u>	Date: <u>6/24/07</u>	Time: <u>1545</u>
Relinquished by: <u>[Signature]</u>	Date: <u>6/24/07</u>	Time: <u>1630</u>	Received by: <u>[Signature]</u>	Date: <u>6/24/07</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	Received by: <u>[Signature]</u>			Date: <u>6/24/07</u>	Time: <u>1600</u>
UPS Other _____	Temperature Upon Receipt: <u>78-80</u> °C			Custody Seals Intact? <u>Yes</u> No	



Analysis Report

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ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

RECEIVED

JUL 09 2007

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 1044025. Samples arrived at the laboratory on Saturday, June 23, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description

<u>Client Description</u>	<u>NA</u>	<u>Water</u>
QA-T-070622		
MW-9-W-070622	Grab	Water
MW-10-W-070622	Grab	Water
MW-11-W-070622	Grab	Water
MW-12-W-070622	Grab	Water
MW-13-W-070622	Grab	Water
MW-14-W-070622	Grab	Water
MW-15-W-070622	Grab	Water
MW-16-W-070622	Grab	Water
MW-17-W-070622	Grab	Water

Lancaster Labs Number

5088410
5088411
5088412
5088413
5088414
5088415
5088416
5088417
5088418
5088419

ELECTRONIC COPY TO Cambria c/o Gettler-Ryan

Attn: Cheryl Hansen



Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Valerie L. Tomayko".

Valerie L. Tomayko
Group Leader

Lancaster Laboratories Sample No. WW 5088410

 QA-T-070622 NA Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 QA
 Collected: 06/22/2007

Account Number: 10904

 Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01729	TPH-GRO - Waters						
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.		50.	ug/l	1
05879	BTEX						
02161	Benzene	71-43-2	N.D.		0.5	ug/l	1
02164	Toluene	108-88-3	N.D.		0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.		1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/27/2007 05:26		Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/27/2007 05:26		Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/27/2007 05:26		Linda C Pape	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. **WW 5088411**

MW-9-W-070622 **Grab Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 **MW-9**
 Collected: 06/22/2007 13:30 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS009

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06610	TPH-DRO (Water) w/Si Gel	n.a.	310.		50.	ug/l	1
01729	TPH-GRO - Waters						
01730	TPH-GRO - Waters	n.a.	500.		50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX						
02161	Benzene	71-43-2	4.4		0.5	ug/l	1
02164	Toluene	108-88-3	N.D.		0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
02171	Total Xylenes	1330-20-7	12.		1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 19:40		Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/27/2007 14:32		Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/27/2007 14:32		Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/27/2007 14:32		Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40		Mitchell B Crawford	1

Lancaster Laboratories Sample No. WW 5088412

MW-10-W-070622 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-10
 Collected: 06/22/2007 13:00 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	110.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	1.5	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 20:03	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/27/2007 20:16	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/27/2007 15:05	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/27/2007 20:16	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	2	06/27/2007 20:16	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1

Lancaster Laboratories Sample No. **WW 5088413**

 MW-11-W-070622 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-11
 Collected: 06/22/2007 12:15 by AC

Account Number: 10904

 Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO11

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
06610	TPH-DRO (Water) w/Si Gel	n.a.	140.	Detection Limit 50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	51.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 20:26	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/27/2007 20:49	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/27/2007 20:49	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/27/2007 20:49	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5088414

MW-12-W-070622. Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-12
 Collected: 06/22/2007 13:20 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS012

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	390.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	0.7	0.5	ug/l	1
02164	Toluene	108-88-3	1.1	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	4.3	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 20:49	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 03:55	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/28/2007 03:55	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 03:55	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5088415

MW-13-W-070622 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-13
 Collected: 06/22/2007 12:20 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	400.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	0.6	0.5	ug/l	1
02164	Toluene	108-88-3	0.9	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 21:12	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 04:16	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/28/2007 04:16	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 04:16	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5088416

MW-14-W-070622 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-14
 Collected: 06/22/2007 14:20 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS014

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Method Detection Limit		
06610	TPH-DRO (Water) w/Si Gel Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	1,300.	150.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	3,700.	250.	ug/l	5
05879	BTEX					
02161	Benzene	71-43-2	190.	2.5	ug/l	5
02164	Toluene	108-88-3	150.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	49.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	580.	7.5	ug/l	5

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 21:34		Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 07:04		Linda C Pape	5
05879	BTEX	SW-846 8021B	1	06/28/2007 07:04		Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 07:04		Linda C Pape	5
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40		Mitchell B Crawford	1

Lancaster Laboratories Sample No. **WW 5088417**

MW-15-W-070622 **Grab** **Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 MW-15
 Collected: 06/22/2007 12:45 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS015

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	150.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 21:57	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 04:37	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/28/2007 04:37	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 04:37	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1

Lancaster Laboratories Sample No. **WW 5088418**

 MW-16-W-070622 **Grab Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 **MW-16**
 Collected: 06/22/2007 14:30 by AC

Account Number: 10904

 Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS016

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,100.	150.	ug/l	5
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	10,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	130.	5.0	ug/l	10
02164	Toluene	108-88-3	1,800.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	580.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	1,400.	15.	ug/l	10

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/28/2007 19:03	Diane V Do	5
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 11:36	Linda C Pape	10
05879	BTEX	SW-846 8021B	1	06/28/2007 11:36	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 11:36	Linda C Pape	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1



Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 5088419

MW-17-W-070622 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-17
 Collected: 06/22/2007 13:55 by AC

Account Number: 10904

Submitted: 06/23/2007 10:00
 Reported: 07/06/2007 at 14:17
 Discard: 08/06/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	690.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	2,000.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	35.	0.5	ug/l	1
02164	Toluene	108-88-3	27.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	9.3	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	360.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	06/27/2007 22:42	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	06/28/2007 04:58	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	06/28/2007 04:58	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2007 04:58	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	06/26/2007 18:40	Mitchell B Crawford	1

Quality Control Summary

Client Name: Chevron
Reported: 07/06/07 at 02:17 PM

Group Number: 1044025

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 071770017A TPH-DRO (Water) w/Si Gel	Sample number(s): 5088411-5088419							
	N.D.	29.	ug/l	99	103	63-119	4	20
Batch number: 07177A51A TPH-GRO - Waters	Sample number(s): 5088410-5088412							
	N.D.	50.	ug/l	120	119	75-135	1	30
Benzene	N.D.	0.5	ug/l	108	99	86-119	9	30
Toluene	N.D.	0.5	ug/l	102	100	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	104	99	81-119	4	30
Total Xylenes	N.D.	1.5	ug/l	105	101	82-120	3	30
Batch number: 07177A51B TPH-GRO - Waters	Sample number(s): 5088412-5088413							
	N.D.	50.	ug/l	120	119	75-135	1	30
Benzene	N.D.	0.5	ug/l	108	99	86-119	9	30
Toluene	N.D.	0.5	ug/l	102	100	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	104	99	81-119	4	30
Total Xylenes	N.D.	1.5	ug/l	105	101	82-120	3	30
Batch number: 07178B54A TPH-GRO - Waters	Sample number(s): 5088414-5088419							
	N.D.	50.	ug/l	111	115	75-135	3	30
Benzene	N.D.	0.5	ug/l	97	98	86-119	1	30
Toluene	N.D.	0.5	ug/l	95	100	82-119	4	30
Ethylbenzene	N.D.	0.5	ug/l	95	101	81-119	6	30
Total Xylenes	N.D.	1.5	ug/l	98	104	82-120	6	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: 07177A51A TPH-GRO - Waters	Sample number(s): 5088410-5088412 UNSPK: P088367, P088368								
	128		63-154						
Benzene	102		78-131						
Toluene	105		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	105		84-131						
Batch number: 07177A51B TPH-GRO - Waters	Sample number(s): 5088412-5088413 UNSPK: P088367, P088368								
	128		63-154						
Benzene	102		78-131						
Toluene	105		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	105		84-131						

*- Outside of specification

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

Quality Control Summary

 Client Name: Chevron
 Reported: 07/06/07 at 02:17 PM

Group Number: 1044025

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: 07178B54A	Sample number(s): 5088414-5088419 UNSPK: 5088414, 5088415								
TPH-GRO - Waters	123		63-154						
Benzene	114		78-131						
Toluene	113		78-129						
Ethylbenzene	115		75-133						
Total Xylenes	116		84-131						

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: TPH-DRO (Water) w/Si Gel
 Batch number: 071770017A
 Orthoterphenyl

5088411	101
5088412	95
5088413	98
5088414	101
5088415	101
5088416	106
5088417	97
5088418	111
5088419	102
Blank	98
LCS	115
LCSD	115

Limits: 59-131

 Analysis Name: TPH-GRO - Waters
 Batch number: 07177A51A
 Trifluorotoluene-F

5088410	115
5088411	114
Blank	112
LCS	113
LCSD	111
MS	116

Trifluorotoluene-P

116
116
116
114
116
116

Limits: 63-135

69-129

 Analysis Name: TPH-GRO - Waters
 Batch number: 07177A51B
 Trifluorotoluene-F

5088412	119
5088413	121

115
116

Trifluorotoluene-P

*- Outside of specification

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

Quality Control Summary

Client Name: Chevron
Reported: 07/06/07 at 02:17 PM

Group Number: 1044025

Surrogate Quality Control

Blank	121	115
LCS	113	114
LCSD	111	116
MS	116	116

Limits: 63-135 69-129

Analysis Name: TPH-GRO - Waters
Batch number: 07178B54A

	Trifluorotoluene-F	Trifluorotoluene-P
5088414	85	94
5088415	85	94
5088416	92	97
5088417	89	94
5088418	89	92
5088419	106	103
Blank	87	94
LCS	95	92
LCSD	95	94
MS	96	95

Limits: 63-135 69-129

*- Outside of specification

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

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA 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 amount not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
P	Concentration difference between primary and confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA <0.995
X,Y,Z	Defined in case narrative		

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

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

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CHEVRON SERVICE STATION #206145
Oakland, CA

QUARTERLY MONITORING EVENT
Of August 17, 2007



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 8-17-7 (inclusive)
 Sampler: Amoré

Well ID: MW-1A Date Monitored: 8-17-7 Well Condition: WCS
 Well Diameter: 2 in.
 Total Depth: 16.74 ft.
 Depth to Water: 9.50 ft.
7.24 xVF .17 = 1.2 x3 case volume = Estimated Purge Volume: 3.6 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1144 Weather Conditions: Sunny
 Sample Time/Date: 1205 18-17-7 Water Color: cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1148</u>	<u>1</u>	<u>7.58</u>	<u>557</u>	<u>21.5</u>		
<u>1150</u>	<u>2</u>	<u>7.44</u>	<u>543</u>	<u>21.7</u>		
<u>1153</u>	<u>3.5</u>	<u>7.27</u>	<u>546</u>	<u>21.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1A</u>	<u>3</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-2 Date Monitored: 8/17/07 Well Condition: See wss

Well Diameter: 2 in. Volume: 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38
 Total Depth: 14.15 ft. Factor (VF): 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80

Depth to Water: 9.88 ft. Estimated Purge Volume: 2.17 gal.
4.27 xVF .17 = .72 x3 case volume=

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

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

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

Start Time (purge): 0955 Weather Conditions: clear
 Sample Time/Date: 1015 8/17/07 Water Color: clear Odor: no
 Purging Flow Rate: - gpm. Sediment Description: 1.27
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0957</u>	<u>.5</u>	<u>6.88</u>	<u>491</u>	<u>19.2</u>	_____	_____
<u>0959</u>	<u>1.0</u>	<u>6.83</u>	<u>458</u>	<u>19.3</u>	_____	_____
<u>1003</u>	<u>1.5</u>	<u>6.72</u>	<u>469</u>	<u>18.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-3 Date Monitored: 8-17-7 Well Condition: WCS5

Well Diameter: 2 in.
 Total Depth: 14.41 ft.
 Depth to Water: 9.57 ft.
4.84 x VF = 0.17 = 0.8 x3 case volume = Estimated Purge Volume: 2.4 gal.

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

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

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

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

Start Time (purge): 1318 Weather Conditions: Sunny
 Sample Time/Date: 1345 / 8-17-7 Water Color: Cloudy Odor: Yes
 Purging Flow Rate: _____ gpm. Sediment Description: White
 Did well de-water? If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C, F)	D.O. (mg/L)	ORP (mV)
<u>1322</u>	<u>1</u>	<u>6.53</u>	<u>580</u>	<u>21.7</u>		
<u>1326</u>	<u>2</u>	<u>6.62</u>	<u>594</u>			
<u>1330</u>	<u>2.5</u>	<u>6.64</u>	<u>599</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	2 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	2 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-4 Date Monitored: 8/17/07 Well Condition: See well
 Well Diameter: 2 in.
 Total Depth: 13.23 ft.
 Depth to Water: 8.63 ft.
4.60 x VF .17 = .78 x3 case volume = Estimated Purge Volume: 2.34 gal.

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

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

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

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

Start Time (purge): 0925 Weather Conditions: Clear
 Sample Time/Date: 0945 / 8/17/07 Water Color: Cloudy Odor: NO
 Purging Flow Rate: - gpm. Sediment Description: 1.5 ft
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
0927	.5	6.95	844	19.9		
0930	1.0	6.87	849	19.9		
0933	1.5	6.82	853	19.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-5 Date Monitored: 8-17-7 Well Condition: WESS

Well Diameter: 2 in.
 Total Depth: 19.33 ft.
 Depth to Water: 9.05 ft.

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

10.28 x VF 0.17 = 1.7 x3 case volume= Estimated Purge Volume: 5.1 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0944 Weather Conditions: Sunny
 Sample Time/Date: 1015 / 8-17-7 Water Color: Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0948</u>	<u>2</u>	<u>6.57</u>	<u>406</u>	<u>22.4</u>	_____	_____
<u>0953</u>	<u>4</u>	<u>6.63</u>	<u>401</u>	<u>22.0</u>	_____	_____
<u>0958</u>	<u>5</u>	<u>6.62</u>	<u>397</u>	<u>21.9</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	<u>2</u> x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-6 Date Monitored: 8-17-7 Well Condition: WCSS

Well Diameter: 2 in.
 Total Depth: 15.67 ft.
 Depth to Water: 8.95 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

0.72 x VF 1.17 = 1.1 x3 case volume= Estimated Purge Volume: 3.3 gal.

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

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

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

Start Time (purge): 0912 Weather Conditions: Sunny
 Sample Time/Date: 0935 8-17-7 Water Color: Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0915</u>	<u>1</u>	<u>6.86</u>	<u>367</u>	<u>27.2</u>	_____	_____
<u>0918</u>	<u>2</u>	<u>6.80</u>	<u>403</u>	<u>26.6</u>	_____	_____
<u>0922</u>	<u>3.5</u>	<u>6.78</u>	<u>397</u>	<u>21.4</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	<u>2</u> x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 8/17/07 (inclusive)
 Sampler: JH

Well ID: MW-7
 Well Diameter: 2 in.
 Total Depth: 15.61 ft.
 Depth to Water: 10.51 ft.
5.1

Date Monitored: 8/17/07 Well Condition: See logs

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

xVF .17 = .86 x3 case volume= Estimated Purge Volume: 2.61 gal.

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

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

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

Start Time (purge): 1310 Weather Conditions: Clear
 Sample Time/Date: 1335 8/17/07 Water Color: Clear Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: 1.5/4
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1313</u>	<u>.5</u>	<u>7.36</u>	<u>725</u>	<u>17.7</u>		
<u>1316</u>	<u>1.0</u>	<u>7.30</u>	<u>731</u>	<u>17.9</u>		
<u>1319</u>	<u>2.0</u>	<u>7.28</u>	<u>736</u>	<u>18.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
		YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-8 Date Monitored: 8-17-7 Well Condition: WCS5

Well Diameter: 2 in.
 Total Depth: 20.19 ft.
 Depth to Water: 9.61 ft.
10.58 xVF 1.17 = 1.7 x3 case volume = Estimated Purge Volume: 5 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft.
 Depth to Water: _____ ft.
 Hydrocarbon Thickness: 0 ft.
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0836 Weather Conditions: Sunny
 Sample Time/Date: 0900 / 8-17-7 Water Color: Cloudy Odor: no
 Purging Flow Rate: — gpm. Sediment Description: light
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0840</u>	<u>2</u>	<u>7.61</u>	<u>231</u>	<u>21.3</u>	_____	_____
<u>0845</u>	<u>4</u>	<u>7.49</u>	<u>241</u>	<u>20.8</u>	_____	_____
<u>0847</u>	<u>5</u>	<u>7.52</u>	<u>250</u>	<u>20.7</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Amor C

Well ID: MW-9 Date Monitored: 8-17-7 Well Condition: WCS

Well Diameter: 2 in.
 Total Depth: 38.97 ft.
 Depth to Water: 9.75 ft.

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

29.22 xVF .17 = 4.9 x3 case volume= Estimated Purge Volume: 15 gal.

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1032 Weather Conditions: Sunny
 Sample Time/Date: 1100 18-17-7 Water Color: Clear Odor: NO
 Purging Flow Rate: 2 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1034</u>	<u>5</u>	<u>6.68</u>	<u>692</u>	<u>22.4</u>	_____	_____
<u>1037</u>	<u>10</u>	<u>6.62</u>	<u>684</u>	<u>21.7</u>	_____	_____
<u>1040</u>	<u>15</u>	<u>6.60</u>	<u>685</u>	<u>21.5</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Person 2

Well ID: MW-10 Date Monitored: 8-17-7 Well Condition: WCS

Well Diameter: 2 in.
 Total Depth: 58.92 ft.
 Depth to Water: 10.18 ft.
48.74 x VF .17 = 8.2 x3 case volume = Estimated Purge Volume: 24.6 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 6 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1107 Weather Conditions: Sunny
 Sample Time/Date: 1135 8-17-7 Water Color: Clear Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1111</u>	<u>8</u>	<u>7.54</u>	<u>905</u>	<u>21.8</u>		
<u>1115</u>	<u>16</u>	<u>7.44</u>	<u>912</u>	<u>21.6</u>		
<u>1120</u>	<u>25</u>	<u>7.41</u>	<u>916</u>	<u>21.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JV

Well ID: MW-11 Date Monitored: 8/17/07 Well Condition: See wgs

Well Diameter: 2 in.
 Total Depth: 39.67 ft.
 Depth to Water: 10.02 ft.
29.62 xVF 17 = 5.03 x3 case volume = Estimated Purge Volume: 15.00 gal.

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

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

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

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

Start Time (purge): 1200 Weather Conditions: Clear
 Sample Time/Date: 1240 / 8/17/07 Water Color: Cloudy Odor: No
 Purging Flow Rate: 1 gpm. Sediment Description: 1.9 #8
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1206</u>	<u>5</u>	<u>7.07</u>	<u>525</u>	<u>28.3</u>	_____	_____
<u>1211</u>	<u>10</u>	<u>7.01</u>	<u>537</u>	<u>19.1</u>	_____	_____
<u>1217</u>	<u>15</u>	<u>6.89</u>	<u>554</u>	<u>19.4</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>1</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JV

Well ID: MW-12 Date Monitored: 8/17/07 Well Condition: See w/s

Well Diameter: 2 in.
 Total Depth: 58.20 ft.
 Depth to Water: 10.55 ft.
47.65 xVF .17 = 8.10 x3 case volume = Estimated Purge Volume: 24.30 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1115 Weather Conditions: clear
 Sample Time/Date: 1145 / 8/17/07 Water Color: clear Odor: no
 Purging Flow Rate: 2 gpm. Sediment Description: none
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1119</u>	<u>8</u>	<u>7.07</u>	<u>386</u>	<u>20.2</u>	_____	_____
<u>1124</u>	<u>16</u>	<u>6.89</u>	<u>394</u>	<u>20.1</u>	_____	_____
<u>1130</u>	<u>24</u>	<u>6.92</u>	<u>417</u>	<u>19.7</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-12</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-13 Date Monitored: 8-17-7 Well Condition: WCS

Well Diameter: 2 in.
 Total Depth: 38.43 ft.
 Depth to Water: 9.90 ft.
28.53 x VF 0.17 = 4.8 x3 case volume = Estimated Purge Volume: 144 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1248 Weather Conditions: Sunny
 Sample Time/Date: 1310 8-17-7 Water Color: Clear Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1250</u>	<u>5</u>	<u>7.40</u>	<u>471</u>	<u>21.4</u>	_____	_____
<u>1253</u>	<u>10</u>	<u>7.33</u>	<u>464</u>	<u>21.2</u>	_____	_____
<u>1255</u>	<u>15</u>	<u>7.29</u>	<u>467</u>	<u>21.0</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-13</u>	<u>1</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	<u>2</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	<u>2</u> -x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8-17-7 (inclusive)
 City: Oakland, CA Sampler: Aaron C

Well ID: MW-14 Date Monitored: 8-17-7 Well Condition: WCS
 Well Diameter: 2 in.
 Total Depth: 58.91 ft.
 Depth to Water: 10.77 ft.
 Volume Factor (VF): 0.17 = 8.1 x3 case volume = Estimated Purge Volume: 24.3 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1212 Weather Conditions: Sunny
 Sample Time/Date: 1240 / 8-17-7 Water Color: Clean Odor: No
 Purging Flow Rate: 2 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal)	pH	Conductivity (u mhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1216</u>	<u>8</u>	<u>6.59</u>	<u>936</u>	<u>19.8</u>	_____	_____
<u>1220</u>	<u>16</u>	<u>6.64</u>	<u>944</u>	<u>20.7</u>	_____	_____
<u>1225</u>	<u>24</u>	<u>6.67</u>	<u>943</u>	<u>21.0</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JW

Well ID: MW-15 Date Monitored: 8/17/07 Well Condition: See logs

Well Diameter: 2 in.
 Total Depth: 36.82 ft.
 Depth to Water: 9.73 ft.
27.09 xVF .17 = 4.60 x3 case volume = Estimated Purge Volume: 13.81 gal.

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

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump 8
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer 8
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1030 Weather Conditions: clean
 Sample Time/Date: 1050 / 8/17/07 Water Color: cloudy Odor: no
 Purging Flow Rate: 2 gpm. Sediment Description: 1.5/100
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1033</u>	<u>4</u>	<u>6.84</u>	<u>462</u>	<u>19.8</u>	_____	_____
<u>1036</u>	<u>8</u>	<u>6.81</u>	<u>487</u>	<u>19.3</u>	_____	_____
<u>1039</u>	<u>12</u>	<u>6.75</u>	<u>494</u>	<u>19.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>1</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>3</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 8/17/07 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-16 Date Monitored: 8/17/07 Well Condition: See well

Well Diameter: 2 in.
 Total Depth: 58.18 ft.
 Depth to Water: 10.76 ft.
47.42 x VF .17 = 8.06 x3 case volume = Estimated Purge Volume: 24.18 gal.

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

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer ✓
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1030 Weather Conditions: Clear
 Sample Time/Date: 1100 / 8/17/07 Water Color: Cloudy Odor: No
 Purging Flow Rate: 2 gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1034</u>	<u>8</u>	<u>7.01</u>	<u>806</u>	<u>19.8</u>		
<u>1039</u>	<u>16</u>	<u>6.54</u>	<u>834</u>	<u>19.4</u>		
<u>1044</u>	<u>24</u>	<u>6.88</u>	<u>867</u>	<u>19.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-16</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-Dw/sg(8015)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #206145
 Site Address: 800 Center Street
 City: Oakland, CA

Job Number: 386492
 Event Date: 8/17/07 (inclusive)
 Sampler: JLL

Well ID: MW-17
 Well Diameter: 2 in.
 Total Depth: 73.08 ft.
 Depth to Water: 16.22 ft.
56.86 xVF .17 = 9.66 x3 case volume = Estimated Purge Volume: 28.99 gal.

Date Monitored: 8/17/07 Well Condition: See well

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

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

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

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

Start Time (purge): 0830 Weather Conditions: Clear
 Sample Time/Date: 0915 / 8/17/07 Water Color: Clear Odor: NO
 Purging Flow Rate: 1 gpm. Sediment Description: 1.25
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>0840</u>	<u>10</u>	<u>6.87</u>	<u>632</u>	<u>19.3</u>	_____	_____
<u>0850</u>	<u>20</u>	<u>6.65</u>	<u>654</u>	<u>18.9</u>	_____	_____
<u>0900</u>	<u>30</u>	<u>6.59</u>	<u>661</u>	<u>18.7</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 17	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-Dw/sg(8015)

COMMENTS: _____

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



081707-02
pl 1/2

Acct. #: 10904 Sample # 5132224-32 Group #: 002603

C# 1052180

Facility #: SS#206145-OML G-R#386492 Global ID#T0600102230		Matrix	Analysis Requested										
Site Address: 800 CENTER STREET, OAKLAND, CA			Preservation Codes										
Chevron PM: SS Lead Consultant: CRACE		<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air	Total Number of Containers	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 full scan Oxygenates Total Lead Method Dissolved Lead Method									
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568				Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other									
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)		<input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits											
Consultant Phone #925-551-7555 Fax #: 925-551-7899													
Sampler: <u>Amor Chandler</u>													

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	Comments / Remarks
QA	8-17-07		X			X			2	X	X								
MW-1A		1205	X			X			5	X	X	X							
MW-2		1015	X			X			5	X	X	X							
MW-3		1345	X			X			5	X	X	X							
MW-4		0945	X			X			5	X	X	X							
MW-5		1015	X			X			5	X	X	X							
MW-6		0935	X			X			5	X	X	X							
MW-7		1335	X			X			5	X	X	X							
MW-8		0900	X			X			5	X	X	X							

Turnaround Time Requested (TAT) (please circle) STD. TAT 24 hour 72 hour 48 hour 4 day 5 day	Relinquished by: <u>[Signature]</u>	Date: 8-17-07	Time: 16:20	Received by: <u>[Signature]</u>	Date: 8/17/07	Time: 16:20
	Relinquished by: <u>[Signature]</u>	Date: 8/17/07	Time:	Received by: <u>[Signature]</u>	Date: 8/17/07	Time:
	Relinquished by: <u>[Signature]</u>	Date:	Time:	Received by: <u>[Signature]</u>	Date:	Time:
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed EDF/EDD WIP (RWQCB) Disk	Relinquished by Commercial Carrier: <u>[Signature]</u>	Temperature Upon Receipt: 07-5- C°		Received by: <u>[Signature]</u>	Date: 8/17/07	Time: 09:00
	UPS FedEx Other	Custody Seals Intact? <u>Yes</u> No				

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

RECEIVED
SEP 11 2007

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 1052180. Samples arrived at the laboratory on Saturday, August 18, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description

<u>Client Description</u>	<u>NA</u>	<u>Water</u>
QA-T-070817		
MW-1A-W-070817	Grab	Water
MW-2-W-070817	Grab	Water
MW-3-W-070817	Grab	Water
MW-4-W-070817	Grab	Water
MW-5-W-070817	Grab	Water
MW-6-W-070817	Grab	Water
MW-7-W-070817	Grab	Water
MW-8-W-070817	Grab	Water

Lancaster Labs Number

5132224
5132225
5132226
5132227
5132228
5132229
5132230
5132231
5132232

ELECTRONIC
COPY TO

CRA c/o Gettler-Ryan

Attn: Cheryl Hansen



Analysis Report

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

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads 'Susan M. Goshert'.

Susan M. Goshert
Group Leader



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. **WW 5132224**

QA-T-070817 NA Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 QA
 Collected: 08/17/2007

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSOQA
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007	16:46	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/20/2007	16:46	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007	16:46	Martha L Seidel	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132225

MW-1A-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-1A
 Collected: 08/17/2007 12:05 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS001
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,100.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	160.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	2.5	0.5	ug/l	1
02164	Toluene	108-88-3	0.8	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	2.0	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	2.7	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 15:59	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007 20:36	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/20/2007 20:36	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 20:36	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132226

MW-2-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-2
 Collected: 08/17/2007 10:15 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS002
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel The surrogate data is outside the QC limits. Since there was no sample available for a reextraction, the data is reported.	n.a.	1,000.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	50.	ug/l	1
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 17:08	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007 21:09	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/20/2007 21:09	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 21:09	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5132227

MW-3-W-070817 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-3
 Collected: 08/17/2007 13:45 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO03
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	4,900.	160.	ug/l	5
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	46,000.	5,000.	ug/l	100
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	240.	5.0	ug/l	10
02164	Toluene	108-88-3	1,900.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	3,800.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	5,600.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	310.	25.	ug/l	10

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 16:22	Diane V Do	5
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 04:51	Martha L Seidel	100
02159	BTEX, MTBE	SW-846 8021B	1	08/21/2007 09:15	Martha L Seidel	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 04:51	Martha L Seidel	100
01146	GC VOA Water Prep	SW-846 5030B	2	08/21/2007 09:15	Martha L Seidel	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



Analysis Report

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

Lancaster Laboratories Sample No. WW 5132228

MW-4-W-070817 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center Street-Oakland T0600102230 MW-4
Collected: 08/17/2007 09:45 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
Reported: 09/07/2007 at 13:56
Discard: 10/08/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO04
I 5E w

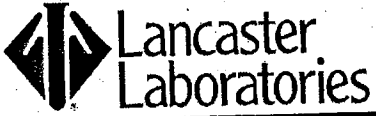
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,600.	61.	ug/l	2
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	4,700.	250.	ug/l	5
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	870.	2.5	ug/l	5
02164	Toluene	108-88-3	3.8	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	49.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	10.	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	30.	2.5	ug/l	1
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for total xylenes. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 16:45	Diane V Do	2
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 03:45	Martha L Seidel	5
02159	BTEX, MTBE	SW-846 8021B	1	08/21/2007 03:45	Martha L Seidel	5
02159	BTEX, MTBE	SW-846 8021B	1	08/21/2007 08:09	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 03:45	Martha L Seidel	5
01146	GC VOA Water Prep	SW-846 5030B	2	08/21/2007 08:09	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. WW 5132228

MW-4-W-070817 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center Street-Oakland T0600102230 MW-4
Collected: 08/17/2007 09:45 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
Reported: 09/07/2007 at 13:56
Discard: 10/08/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CS004



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132229

MW-5-W-070817 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-5
 Collected: 08/17/2007 10:15 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO05
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	66.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	50.	ug/l	1
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 03:54	Diané V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007 21:42	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/20/2007 21:42	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 21:42	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132230

MW-6-W-070817 Grab Water GRD
Facility# 206145 Job# 386492
800 Center Street-Oakland T0600102230 MW-6
Collected: 08/17/2007 09:35 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
Reported: 09/07/2007 at 13:56
Discard: 10/08/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO06
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	66.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 04:16	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007 23:54	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/20/2007 23:54	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 23:54	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132231

 MW-7-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-7
 Collected: 08/17/2007 13:35 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CAT	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 04:40	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 00:27	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/21/2007 00:27	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 00:27	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. **WW 5132232**

 MW-8-W-070817 **Grab** **Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 **MW-8**
 Collected: 08/17/2007 09:00 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/07/2007 at 13:56
 Discard: 10/08/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CSO08
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 05:03	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 01:00	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	08/21/2007 01:00	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 01:00	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Quality Control Summary

 Client Name: Chevron
 Reported: 09/07/07 at 01:56 PM

Group Number: 1052180

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07231A51B								
TPH-GRO - Waters	N.D.	50.	ug/l	114	123	75-135	7	30
Benzene	N.D.	0.5	ug/l	99	101	86-119	2	30
Toluene	N.D.	0.5	ug/l	99	97	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	99	97	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	100	97	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	84	91	82-124	8	30
Batch number: 072320019A								
TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	106	109	63-119	2	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07231A51B									
TPH-GRO - Waters	137	104	63-154						
Benzene	104	110	78-131						
Toluene	110	106	78-129						
Ethylbenzene	106	108	75-133						
Total Xylenes	108	83	84-131						
Methyl tert-Butyl Ether	83		70-134						

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: TPH-GRO - Waters
 Batch number: 07231A51B

Trifluorotoluene-F Trifluorotoluene-P

5132224	120	116
5132225	117	115
5132226	117	114
5132227	118	122
5132228	123	121
5132229	117	117
5132230	118	116

*. 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)
Reported: 09/07/07 at 01:56 PM

Group Number: 1052180

Surrogate Quality Control

5132231	117	115
5132232	118	116
Blank	120	115
LCS	116	116
LCSD	117	115
MS	120	116

Limits: 63-135 69-129

Analysis Name: TPH-DRO (Water) w/Si Gel
Batch number: 072320019A
Orthoterphenyl

5132225	112
5132226	153*
5132227	129
5132228	338*
5132229	112
5132230	108
5132231	107
5132232	103
Blank	108
LCS	127
LCSD	135*

Limits: 59-131

*- 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.

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA 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 amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z Defined in case narrative	

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

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

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081707-02
p 2 of 2

For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 5132233-41 Group #: 002698

C# 1052181

Facility #: SS#206145-OML G-R#386492
 Site Address: 800 CENTER STREET, OAKLAND, CA
 Chevron PM: SS Lead Consultant: CRACE
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone #925-551-7555 Fax #: 925-551-7899
 Sampler: Aaron Chandler

Matrix		Preservation Codes	
Soil	Water	BTEX	TPH
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Potable	NPDES	TPH 8015 MOD GRO	TPH 8015 MOD DRO
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Oil	Air	8260 full scan	Silica Gel Cleanup
<input type="checkbox"/>	<input type="checkbox"/>	Oxygenates	
Total Number of Containers		Total Lead Method	Dissolved Lead Method
8260 <input checked="" type="checkbox"/> 8021 <input type="checkbox"/>			

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method
MW-9	8-17-07	1100	X		X	X			5	X	X	X				
MW-10		1135	X		X	X			5	X	X	X				
MW-11		1240	X		X	X			5	X	X	X				
MW-12		1145	X		X	X			5	X	X	X				
MW-13		1310	X		X	X			5	X	X	X				
MW-14		1240	X		X	X			5	X	X	X				
MW-15		1050	X		X	X			5	X	X	X				
MW-16		1100	X		X	X			5	X	X	X				
MW-17		0915	X		X	X			5	X	X	X				

Comments / Remarks
 NO EDD/EDF

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

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

Relinquished by: <u>[Signature]</u>	Date: 8-17-07	Time: 1020	Received by: <u>[Signature]</u>	Date: 8/19/07	Time: 1620
Relinquished by: <u>[Signature]</u>	Date: 8/17/07	Time:	Received by: <u>[Signature]</u>	Date: 8/17/07	Time:
Relinquished by: <u>[Signature]</u>	Date:	Time:	Received by: <u>[Signature]</u>	Date:	Time:
Relinquished by Commercial Carrier: UPS FedEx Other	Temperature Upon Receipt: <u>0-75</u> °C		Received by: <u>[Signature]</u>	Date: <u>8/17/07</u>	Time: <u>0915</u>
Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					



Analysis Report

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

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

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SEP 06 2007

GETTLER-RYAN INC.
GENERAL CONTRACTORS

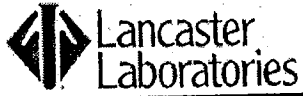
SAMPLE GROUP

The sample group for this submittal is 1052181. Samples arrived at the laboratory on Saturday, August 18, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
MW-9-W-070817	Grab Water	5132233
MW-10-W-070817	Grab Water	5132234
MW-11-W-070817	Grab Water	5132235
MW-12-W-070817	Grab Water	5132236
MW-13-W-070817	Grab Water	5132237
MW-14-W-070817	Grab Water	5132238
MW-15-W-070817	Grab Water	5132239
MW-16-W-070817	Grab Water	5132240
MW-17-W-070817	Grab Water	5132241

ELECTRONIC COPY TO CRA c/o Gettler-Ryan

Attn: Cheryl Hansen



Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Martha L. Seidel

Martha L. Seidel
Senior Chemist

Lancaster Laboratories Sample No. **WW 5132233**

 MW-9-W-070817 **Grab Water**
 Facility# 206145 Job# 386492 **GRD**
 800 Center Street-Oakland T0600102230 MW-9
 Collected: 08/17/2007 11:00 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CSO09
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	92.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 05:26	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 01:33	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007 01:33	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 01:33	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132234

 MW-10-W-070817 Grab Water GRD
 Facility# 206145 Job# 386492
 800 Center Street-Oakland T0600102230 MW-10
 Collected: 08/17/2007 11:35 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CSO10
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	53.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 05:48	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 02:06	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007 02:06	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 02:06	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters).	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132235
MW-11-W-070817 **Grab** **Water**
Facility# 206145 **Job# 386492** **GRD**
800 Center Street-Oakland T0600102230 **MW-11**
Collected: 08/17/2007 12:40 **by AC**

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CS011
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 06:11	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 02:39	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007 02:39	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 02:39	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132236

MW-12-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-12
 Collected: 08/17/2007 11:45 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CS012
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007	06:33	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007	03:12	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007	03:12	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007	03:12	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007	11:00	Jessica Agosto	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5132237

MW-13-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-13
 Collected: 08/17/2007 13:10 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CSO13
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	50.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 06:57	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 23:12	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007 23:12	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 23:12	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132238

MW-14-W-070817 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center Street-Oakland T0600102230 MW-14
Collected: 08/17/2007 12:40 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
Reported: 09/04/2007 at 15:16
Discard: 10/05/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CS014
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	780.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,600.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX					
02161	Benzene	71-43-2	74.	0.5	ug/l	1
02164	Toluene	108-88-3	54.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	11.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	220.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 17:31	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/21/2007 23:45	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/21/2007 23:45	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2007 23:45	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. WW 5132239

 MW-15-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-15
 Collected: 08/17/2007 10:50 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CSO15
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
06610	TPH-DRO (Water) w/Si Gel	n.a.	N.D.	Detection Limit 50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 07:42		Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/22/2007 00:18		Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/22/2007 00:18		Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2007 00:18		Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00		Jessica Agosto	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132240

MW-16-W-070817 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center Street-Oakland T0600102230 MW-16
Collected: 08/17/2007 11:00 by AC

Account Number: 10904

Submitted: 08/18/2007 09:45
Reported: 09/04/2007 at 15:16
Discard: 10/05/2007

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CS016
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	640.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	8,200.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	110.	5.0	ug/l	10
02164	Toluene	108-88-3	1,400.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	280.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	730.	15.	ug/l	10

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 08:05	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/22/2007 07:59	Martha L Seidel	10
05879	BTEX	SW-846 8021B	1	08/22/2007 07:59	Martha L Seidel	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2007 07:59	Martha L Seidel	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Lancaster Laboratories Sample No. **WW 5132241**

 MW-17-W-070817 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center Street-Oakland T0600102230 MW-17
 Collected: 08/17/2007 09:15 by AC

Account Number: 10904

 Submitted: 08/18/2007 09:45
 Reported: 09/04/2007 at 15:16
 Discard: 10/05/2007

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

 CS017
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
06610	TPH-DRO (Water) w/Si Gel	n.a.	240.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	380.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	6.7	0.5	ug/l	1
02164	Toluene	108-88-3	2.3	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	0.5	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	15.	1.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 08:27	Diane V Do	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/22/2007 00:50	Martha L Seidel	1
05879	BTEX	SW-846 8021B	1	08/22/2007 00:50	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2007 00:50	Martha L Seidel	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1

Quality Control Summary

 Client Name: Chevron
 Reported: 09/04/07 at 03:16 PM

Group Number: 1052181

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07231A51B	Sample number(s): 5132233-5132236							
TPH-GRO - Waters	N.D.	50.	ug/l	114	123	75-135	7	30
Benzene	N.D.	0.5	ug/l	99	101	86-119	2	30
Toluene	N.D.	0.5	ug/l	99	97	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	99	97	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	100	97	82-120	3	30
Batch number: 072320019A	Sample number(s): 5132233-5132241							
TPH-DRO (Water) w/Si Gel	N.D.	29.	ug/l	106	109	63-119	2	20
Batch number: 07233A51A	Sample number(s): 5132237-5132241							
TPH-GRO - Waters	N.D.	50.	ug/l	107	113	75-135	6	30
Benzene	N.D.	0.5	ug/l	96	101	86-119	5	30
Toluene	N.D.	0.5	ug/l	96	97	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	97	98	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	97	99	82-120	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: 07231A51B	Sample number(s): 5132233-5132236 UNSPK: P132189, P132190								
TPH-GRO - Waters	137		63-154						
Benzene	104		78-131						
Toluene	110		78-129						
Ethylbenzene	106		75-133						
Total Xylenes	108		84-131						
Batch number: 07233A51A	Sample number(s): 5132237-5132241 UNSPK: P132245, P132246								
TPH-GRO - Waters	140		63-154						
Benzene	106		78-131						
Toluene	100		78-129						
Ethylbenzene	99		75-133						
Total Xylenes	99		84-131						

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.

*- 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
Reported: 09/04/07 at 03:16 PM

Group Number: 1052181

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters

Batch number: 07231A51B

Trifluorotoluene-F

Trifluorotoluene-P

5132233	118	116
5132234	117	117
5132235	118	116
5132236	118	117
Blank	120	115
LCS	116	116
LCSD	117	115
MS	120	116

Limits: 63-135 69-129

Analysis Name: TPH-DRO (Water) w/Si Gel

Batch number: 072320019A

Orthoterphenyl

5132233	110
5132234	108
5132235	103
5132236	107
5132237	104
5132238	70
5132239	99
5132240	111
5132241	131
Blank	108
LCS	127
LCSD	135*

Limits: 59-131

Analysis Name: TPH-GRO - Waters

Batch number: 07233A51A

Trifluorotoluene-F

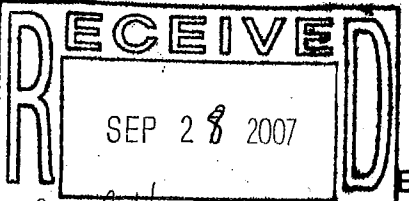
Trifluorotoluene-P

5132237	117	116
5132238	136*	122
5132239	118	113
5132240	119	115
5132241	123	116
Blank	118	115
LCS	119	116
LCSD	119	115
MS	117	114

Limits: 63-135 69-129

*- 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.



Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
Cal	(diet) calories
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)

BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)
fib >5 um/ml	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ATTACHMENT G

Boring Logs



GROUNDWATER
TECHNOLOGY

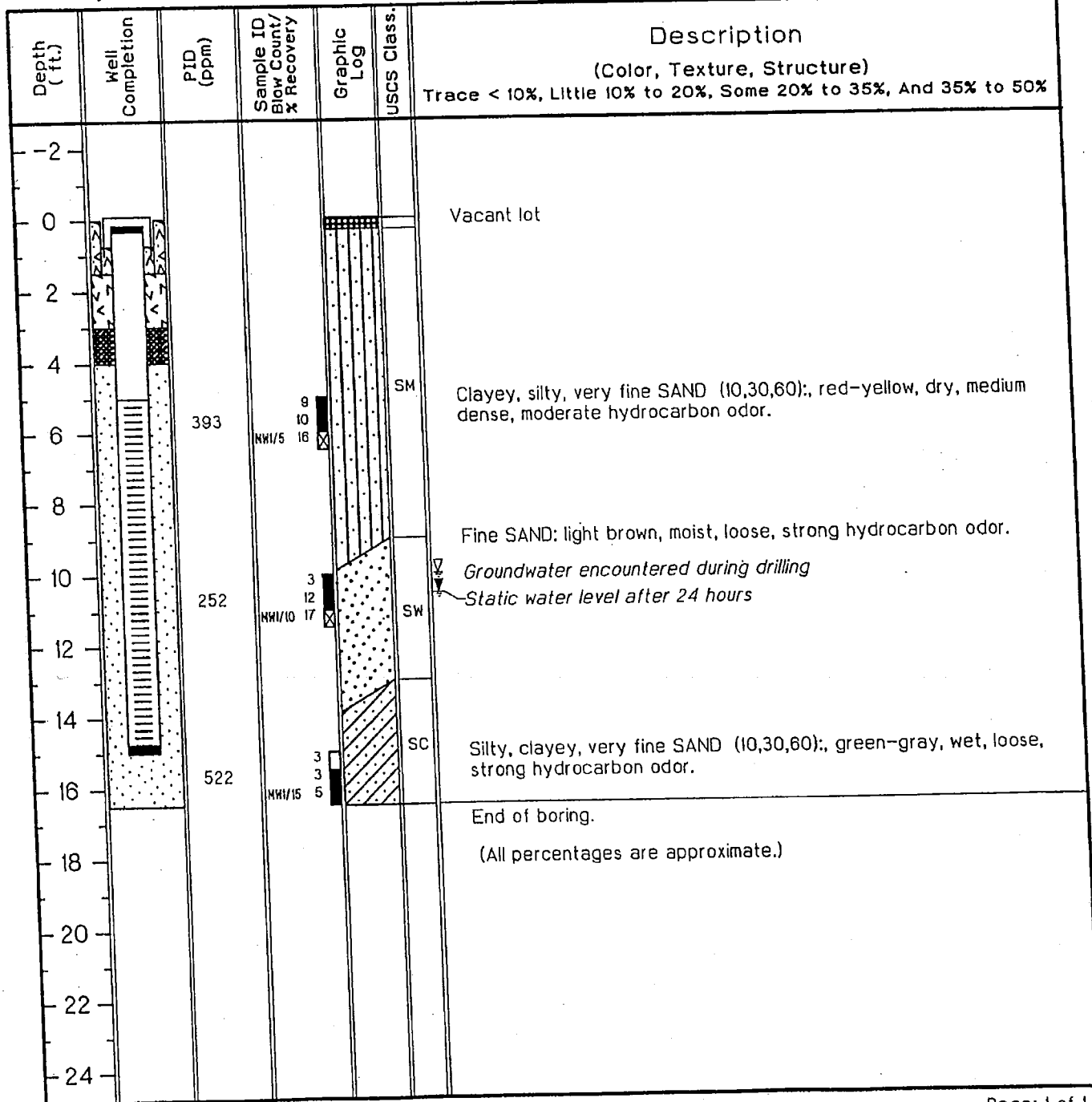
Drilling Log

Monitoring Well MW-1

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/17/95
 Surface Elev. 16.2 ft. Total Hole Depth 16.5 ft. Diameter 8.25 in.
 Top of Casing 15.69 ft. Water Level Initial 10 ft. Static 10.54 ft.
 Screen: Dia 2 in. Length 10 ft. Type/Size PVC/0.020 in.
 Casing: Dia 2 in. Length 5 ft. Type PVC
 Filter Pack Material #3 Monterey Sand Rig/Core Type CME 75/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Scott Fitch Log By Terry James
 Checked by E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:



Gettler-Ryan, Inc.

Log of Boring MW-1A

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

CASING ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 12.5 DATE: 01/29/03 TIME: 11:10

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

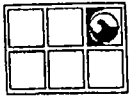
DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 16.5 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
3						Class II aggregate base.	
6							
9							
12							
15	119	MW-1A (16)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - greenish gray (5GY 4/1), wet, medium dense; 90% fine to medium sand, 10% silt.	
18						Bottom of boring at 16.5 feet bgs.	
21							



GROUNDWATER
TECHNOLOGY

Drilling Log

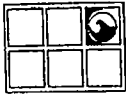
Monitoring Well MW-2

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/17/95
 Surface Elev. 16.3 ft. Total Hole Depth 16.5 ft. Diameter 8.25 in.
 Top of Casing 15.77 ft. Water Level Initial 10 ft. Static 10.60 ft.
 Screen: Dia 2 in. Length 10 ft. Type/Size PVC/0.020 in.
 Casing: Dia 2 in. Length 5 ft. Type PVC
 Filter Pack Material #3 Monterey Sand Rig/Core Type CME 75/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Scott Fitch Log By Terry James
 Checked By E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Thin Asphalt
2						
4						
6		4	3 7 12 NW2/5		SM	Clayey, silty, very fine SAND (10,20,70): red-yellow, damp, medium dense, no hydrocarbon odor.
8						
10		3	7 20 NW2/10 25			Grades fine sand, reddish-brown, wet. Groundwater encountered during drilling Static water level after 24 hours
12						
14						
16		3	4 10 NW2/15 10		SC	Silty, clayey, very fine SAND (10,30,60): saturated, soft, no hydrocarbon odor.
18						End of boring. (All percentages are approximate.)
20						
22						
24						



GROUNDWATER
TECHNOLOGY

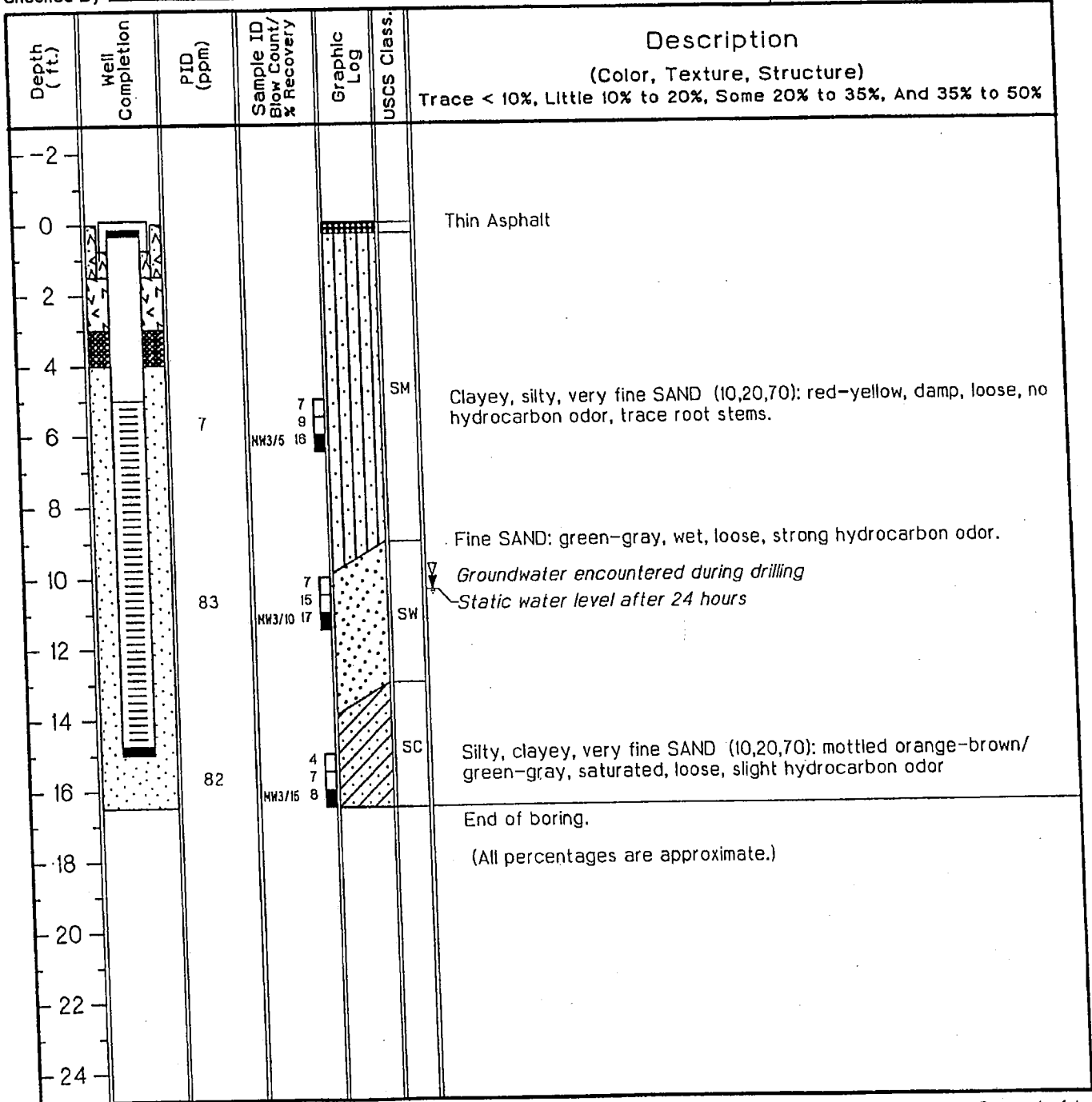
Drilling Log

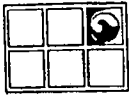
Monitoring Well **MW-3**

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/17/95
 Surface Elev. 16.1 ft. Total Hole Depth 16.5 ft. Diameter 8.25 in.
 Top of Casing 15.46 ft. Water Level Initial 10 ft. Static 10.37 ft.
 Screen: Dia 2 in. Length 10 ft. Type/Size PVC/0.020 in.
 Casing: Dia 2 in. Length 5 ft. Type PVC
 Filter Pack Material #3 Monterey Sand Rig/Core Type CME 75/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Scott Fitch Log By Terry James
 Checked By E.K. Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:





GROUNDWATER
TECHNOLOGY

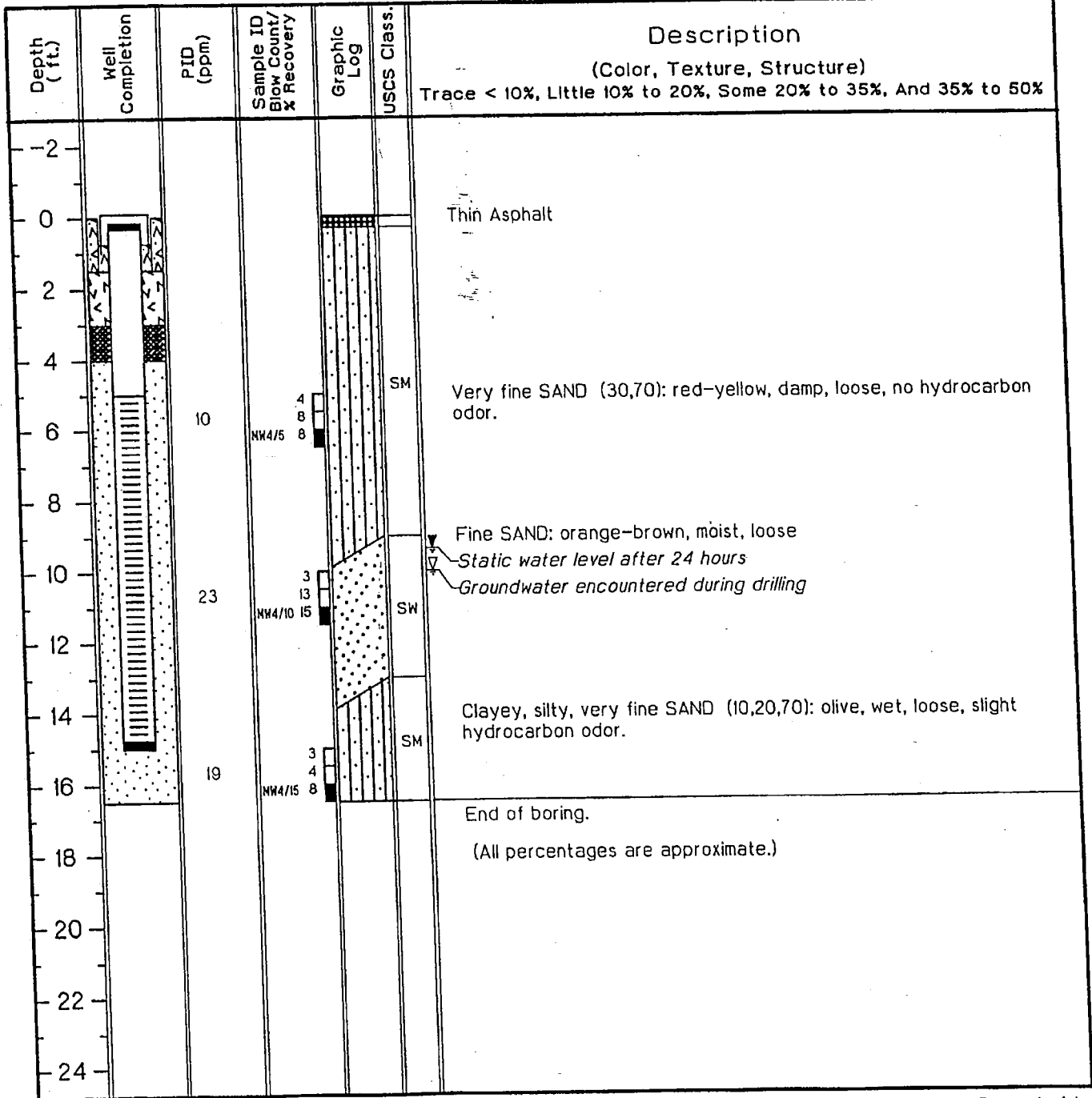
Drilling Log

Monitoring Well **MW-4**

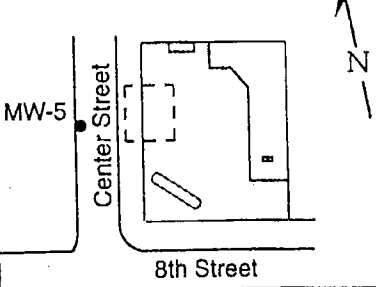
Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/18/95
 Surface Elev. 14.84 ft. Total Hole Depth 16.5 ft. Diameter 8.25 in.
 Top of Casing 14.45 ft. Water Level Initial 10 ft. Static 9.37 ft.
 Screen: Dia 2 in. Length 10 ft. Type/Size PVC/0.020 in.
 Casing: Dia 2 in. Length 5 ft. Type PVC
 Filter Pack Material #3 Monterey Sand Rig/Core Type CME 55/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Scott Fitch Log By Terry James
 Checked By E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:



LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

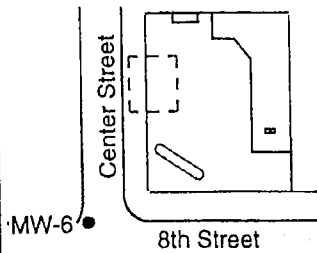
WELL NO. MW-5
PAGE 1 OF 1

PROJECT NO. 320-162.1B
 LOGGED BY: M.K.
 DRILLER: WOODWARD
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 GRAVEL PACK: 2 x 12 LONESTAR

CLIENT: CHEVRON
 DATE DRILLED: 12-18-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 8"
 HOLE DEPTH: 21'
 WELL DIAMETER: 2"
 WELL DEPTH: 20'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS		
CEMENT BENTONITE SAND SLOUGH	Dp Mst Wt Wt	37 81 48 34	62 48 13 26	1			SP	0-0.4' ASPHALT		
				2					GRAVELLY SAND: greenish gray; trace of fines; 50% fine sand; 10% medium sand; 10% coarse sand, subangular; 30% fine gravel, subangular to subrounded to 3/4" diameter; no staining; no product odor.	
				3						
				4						@ 1.5': light olive brown; trace of fines; 95% fine sand; iron oxide staining; dense; no product odor.
				5						@ 5-7': greenish gray; no product odor.
				6						
				7						
				8						
				9						
				10						@ 10': olive; 5% low to moderate plasticity fines; 95% fine sand; trace of iron oxide staining; dense; no product odor.
				11						
				12						SP-SM SAND TO SILTY SAND: light olive brown; 10% moderate to high plasticity fines; 90% fine sand; medium dense; no product odor.
				13						
				14						
				15						
				16						
				17						
				18						SP SAND: light olive brown; 5% moderate to high plasticity fines; 90% fine sand; trace of fine gravel, subangular to 1/4" diameter; iron oxide staining; medium dense; no product odor.
				19						
				20						
				21						
22							BOTTOM OF BORING AT 21'			

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-6
PAGE 1 OF 1

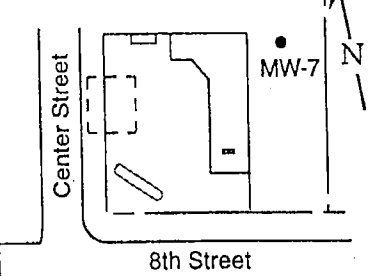
PROJECT NO. 320-162.1B
 LOGGED BY: M.K.
 DRILLER: WOODWARD
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 GRAVEL PACK: 2 x 12 LONESTAR

CLIENT: CHEVRON
 DATE DRILLED: 12-18-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 8"
 HOLE DEPTH: 21.5'
 WELL DIAMETER: 2"
 WELL DEPTH: 20'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
				1				ASPHALT AND CONCRETE
				2			SP	SAND: light olive brown; trace of fines; 95% fine sand; no product odor.
				3				
				4				
	Dp	<1	4	5				@5': light olive brown; trace of fines; 95% fine sand; very loose; iron oxide staining; no product odor.
				6				
				7				
				8				
				9				
	Wt	<1	40	10				@10': light olive brown; 5% fines; 95% fine sand; iron oxide staining; medium dense; no product odor.
				11				
				12				
				13				
				14			SP-SM	SAND TO SILTY SAND: light yellowish brown; 10% moderate to high plasticity fines; 90% fine sand; iron oxide staining; medium dense; no product odor.
				15				
	Wt	<1	18	16				
				17				
				18				
				19			SP	SAND: pale olive; trace of fines; 95% fine sand; medium dense; no product odor.
				20				
	Wt	<1	28	21				
				22				
BOTTOM OF BORING AT 21.5'								



LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. MW-7
PAGE 1 OF 1

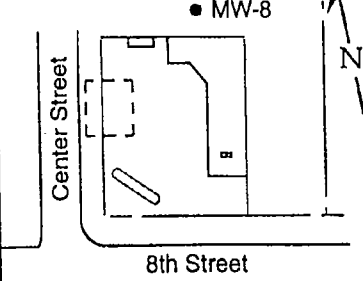
PROJECT NO. 320-162.1B
 LOGGED BY: M.K.
 DRILLER: WOODWARD
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: SCH 40 PVC
 SLOT SIZE: 0.020"
 GRAVEL PACK: 2 x 12 LONESTAR

CLIENT: CHEVRON
 DATE DRILLED: 12-18-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 8"
 HOLE DEPTH: 21.5'
 WELL DIAMETER: 2"
 WELL DEPTH: 20'
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
CEMENT BENTONITE SAND SLOUGH				1			SP-SM	SAND TO SILTY SAND: very dark gray; 10% low plasticity fines; 90% fine sand; abundant rootlets; no product odor.	
				2					
				3					
				4				SP	SAND: light olive brown; trace of fines; 95% fine sand; loose; no product odor.
	Dp	<1	14	5					
				6					
				7					
				8					
				9					
	Wt	<1	42	10					@ 10': light olive brown; trace of fines; 95% fine sand; iron oxide staining; medium dense; no product odor.
				11					
				12					
				13					
	Wt	<1	28	15					@ 15': gray; trace fines; 95% fine sand; iron oxide staining; medium dense; no product odor.
				16					
				17					
				18					
				19				SP-SM	SAND TO SILTY SAND: grayish brown; 10% moderate to high plasticity fines; 90% fine sand; fine rootlets; iron oxide staining; medium dense; no product odor.
	Wt	<1	30	20					
				21					
				22					

BOTTOM OF BORING AT 21.5'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. MW-8/B-8
PAGE 1 OF 1

PROJECT NO. 320-162.1B
 LOGGED BY: M.K.
 DRILLER: WOODWARD
 DRILLING METHOD: HSA
 SAMPLING METHOD: CALMOD
 CASING TYPE: NA
 SLOT SIZE: NA
 GRAVEL PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 12-18-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 8"
 HOLE DEPTH: 21.5'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout				1			SP	SAND: dark grayish brown; trace of fines; 95% fine sand; abundant rootlets and staining; organic odor; no product odor.
				2				@2': metal and clay pipe debris.
				3				
				4				
		Mst	<1	9	5			@5': grayish brown; 5% fines; 95% fine sand; loose; no product odor.
					6			
					7			
					8			SP-SM SAND TO SILTY SAND: light olive brown; 10% low to moderate plasticity fines; 90% fine sand; medium dense; no product odor.
					9			
		Wt	<1	39	10			
					11			
					12			
					13			SP SAND: light olive brown; 5% fines; 95% fine sand; iron oxide staining; medium dense; no product odor.
					14			
		Wt	<1	29	15			
					16			
					17			
					18			
					19			
		Wt	<1	37	20			@20': light olive brown; trace of fines; 95% fine sand; iron oxide staining; medium dense; no product odor.
					21			
					22			

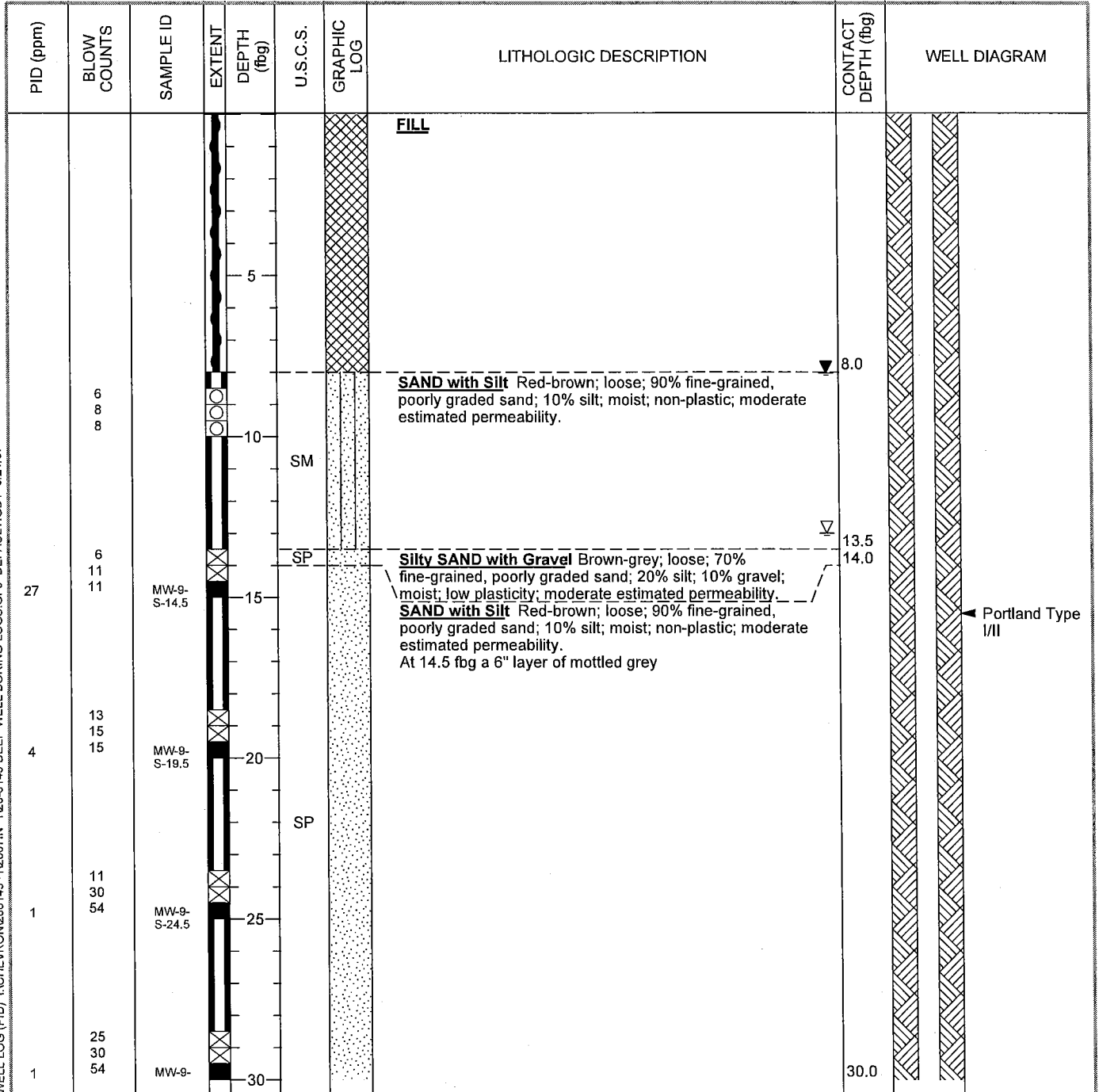
BOTTOM OF BORING AT 21.5'



Conestoga-Rovers & Associates
 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-9
JOB/SITE NAME	20-6145	DRILLING STARTED	09-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	09-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	35 to 40 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	13.0 fbg (09-Apr-07) ▽
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	8.03 fbg (20-Apr-07) ▽
REMARKS	Cleared to 8 fbg with air knife.		



Continued Next Page



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 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-9</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>09-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>09-Apr-07</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1	31 50 55	S-29.5 MW-9-S-34.5		35	SP				
0	15 21 53	MW-9-S-39.5		40			At 39.5 fbg Increase in dark detritus Bottom of Boring @ 40 fbg	40.0	

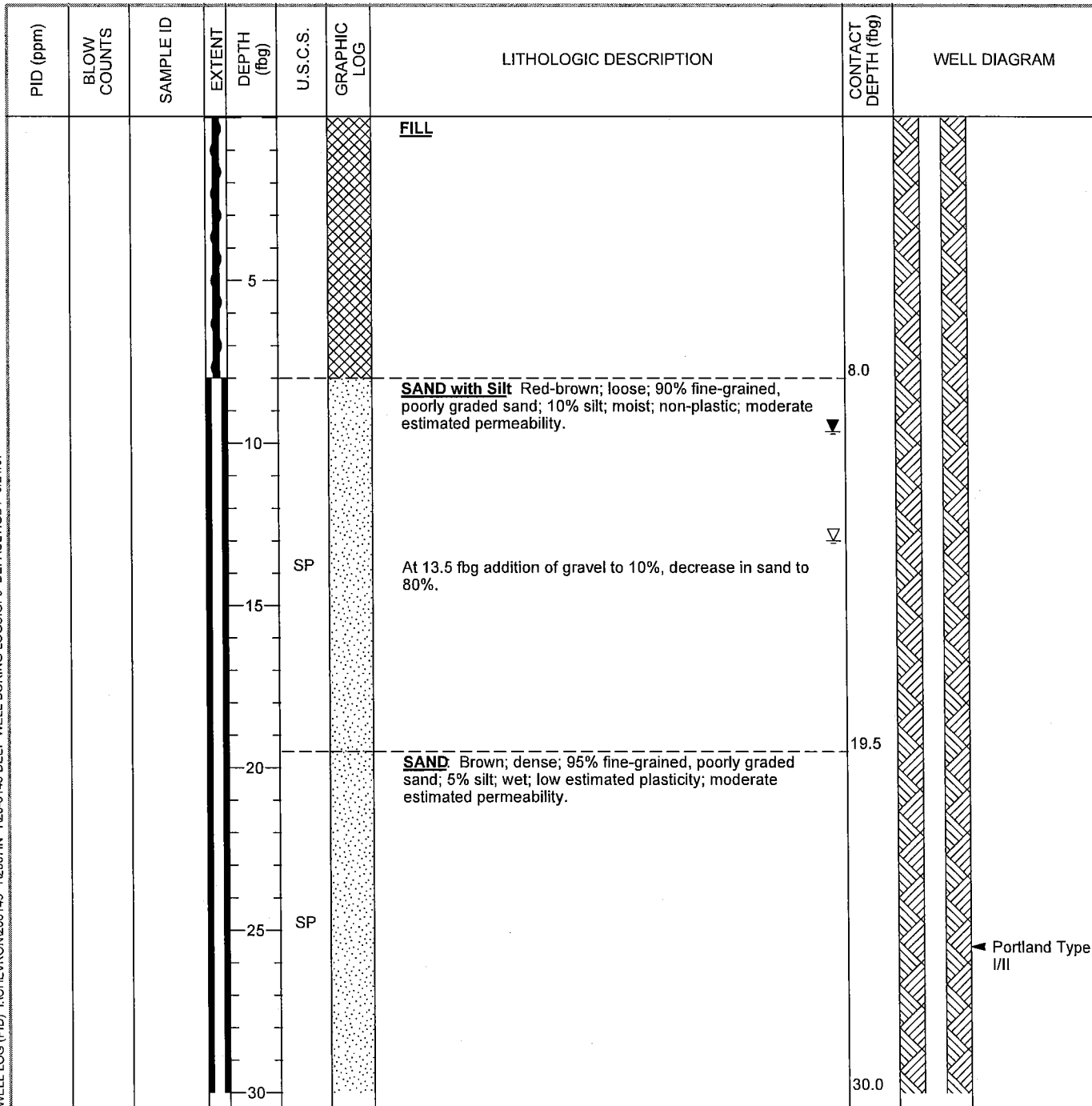
WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



Conestoga-Rovers & Associates
 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-10
JOB/SITE NAME	20-6145	DRILLING STARTED	10-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	10-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	55 to 60 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	13.0 fbg (09-Apr-07) ▽
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	9.64 fbg (20-Apr-07) ▽
REMARKS	Cleared to 8 fbg with air knife.		



WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page

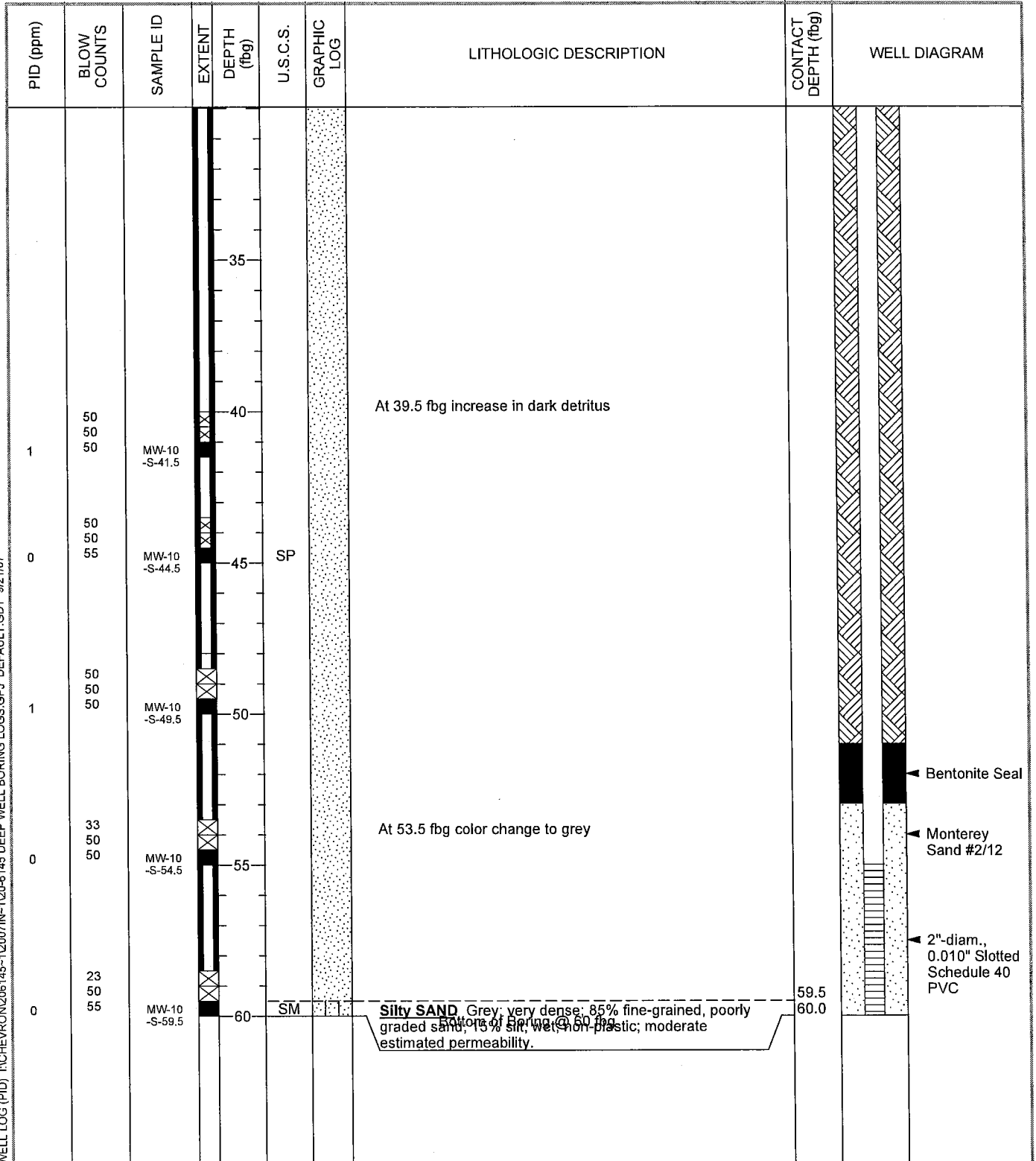


Conestoga-Rovers & Associates
 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-10
JOB/SITE NAME	20-6145	DRILLING STARTED	10-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	10-Apr-07

Continued from Previous Page



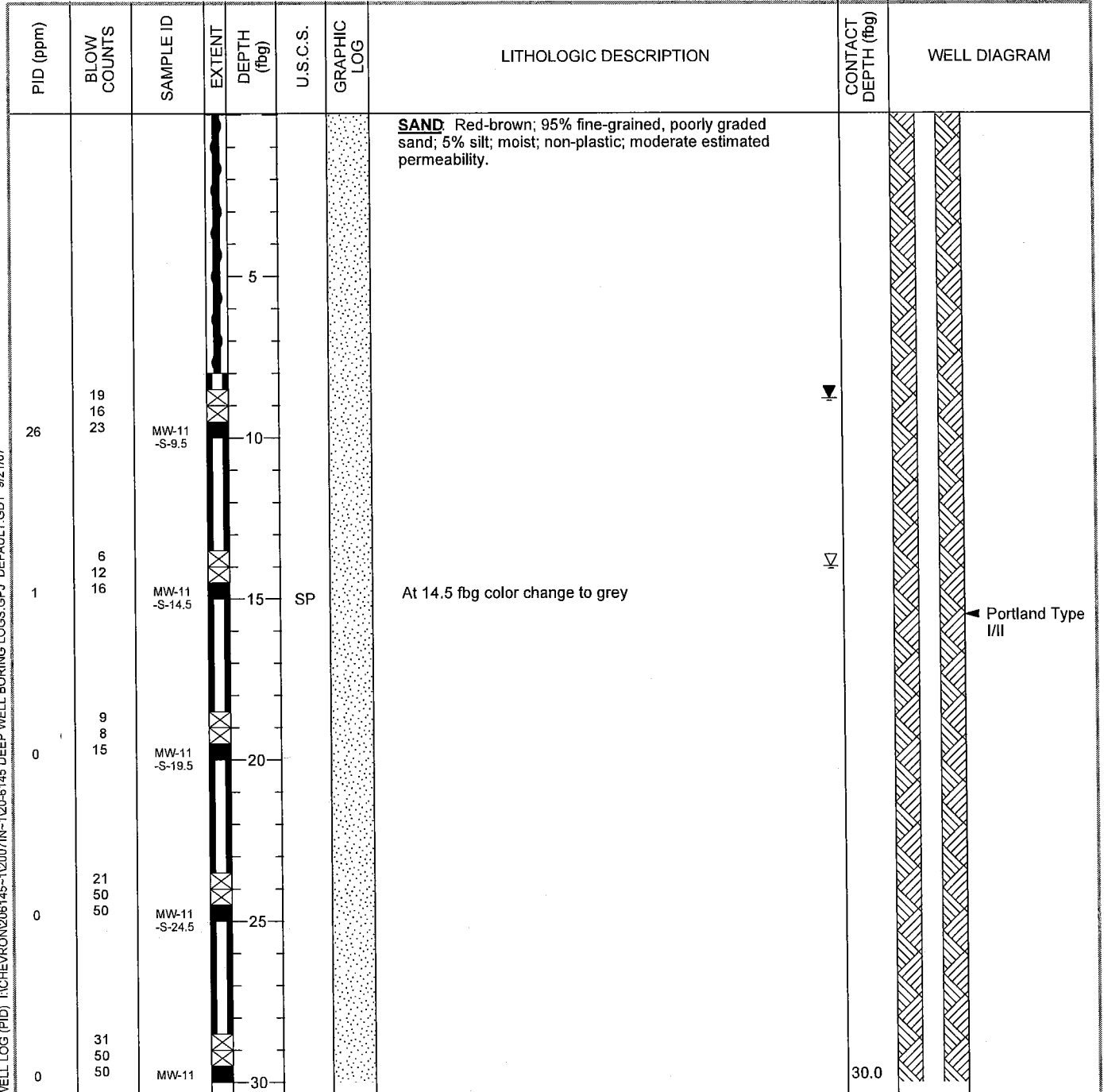
WELL LOG (PID) I:\CHEVRON\206145-1\2007\IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



Conestoga-Rovers & Associates
 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-11
JOB/SITE NAME	20-6145	DRILLING STARTED	09-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	09-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	35 to 40 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	14.0 fbg (09-Apr-07) ▽
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	8.80 fbg (20-Apr-07) ▽
REMARKS	Cleared to 8 fbg with air knife.		



WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



Conestoga-Rovers & Associates
 5900 Hollis Street
 Emeryville CA
 Telephone: 510-420-0700
 Fax:

WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-11</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>09-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>09-Apr-07</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0	42 50 55	-S-29.5 MW-11 -S-34.5		35	SP		At 34.5 fbg color change to red-brown		
0	31 54 56	MW-11 -S-39.5		40			At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 fbg	40.0	

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-12
JOB/SITE NAME	20-6145	DRILLING STARTED	10-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	10-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	55 to 60 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	14.0 fbg (10-Apr-07) ▼
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	5.58 fbg (20-Apr-07) ▼
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						<p>SAND: Red-brown; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability.</p> <p>At 14.5 fbg color change to grey</p>		<p>Portland Type III</p>

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-12
JOB/SITE NAME	20-6145	DRILLING STARTED	10-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	10-Apr-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
12	40 50 55	MW-12 -S-39.5	35 40			At 34.5 ftg color change to red-brown At 39 ftg increase in dark detritus		
1	25 50 54	MW-12 -S-44.5	45	SP				
0	56 40 44	MW-12 -S-49.5	50					
0	25 50 55	MW-12 -S-54.5	55			At 54 ftg color change to dark grey		
0	17 50 54	MW-12 -S-59.5	60			Bottom of Boring @ 60 ftg	60.0	<ul style="list-style-type: none"> ← Bentonite Seal ← Monterey Sand #2/12 ← 2"-diam., 0.010" Slotted Schedule 40 PVC

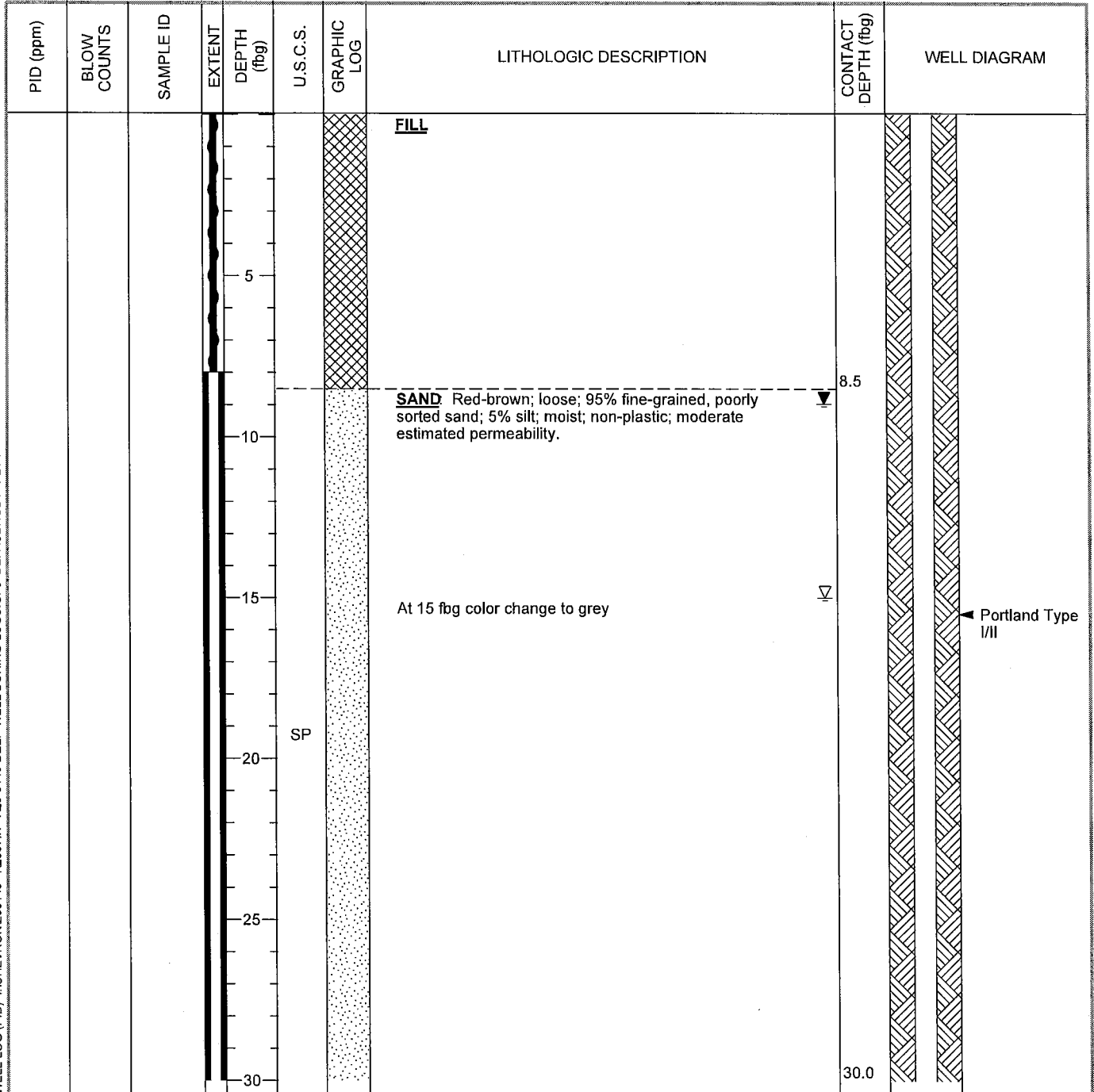
WELL LOG (PID) I:\CHEVRON\206145-1\2007\IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-13
JOB/SITE NAME	20-6145	DRILLING STARTED	11-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	11-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	35 to 40 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	15.0 fbg (11-Apr-07) ▼
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	8.97 fbg (20-Apr-07) ▼
REMARKS	Cleared to 8 fbg with air knife.		



WELL LOG (PID) I:\CHEVRON\206145-1\2007\N-120-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



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WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-13</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>11-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>11-Apr-07</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				35	SP				
				40			At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 fbg	40.0	<p> Bentonite Seal Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC </p>

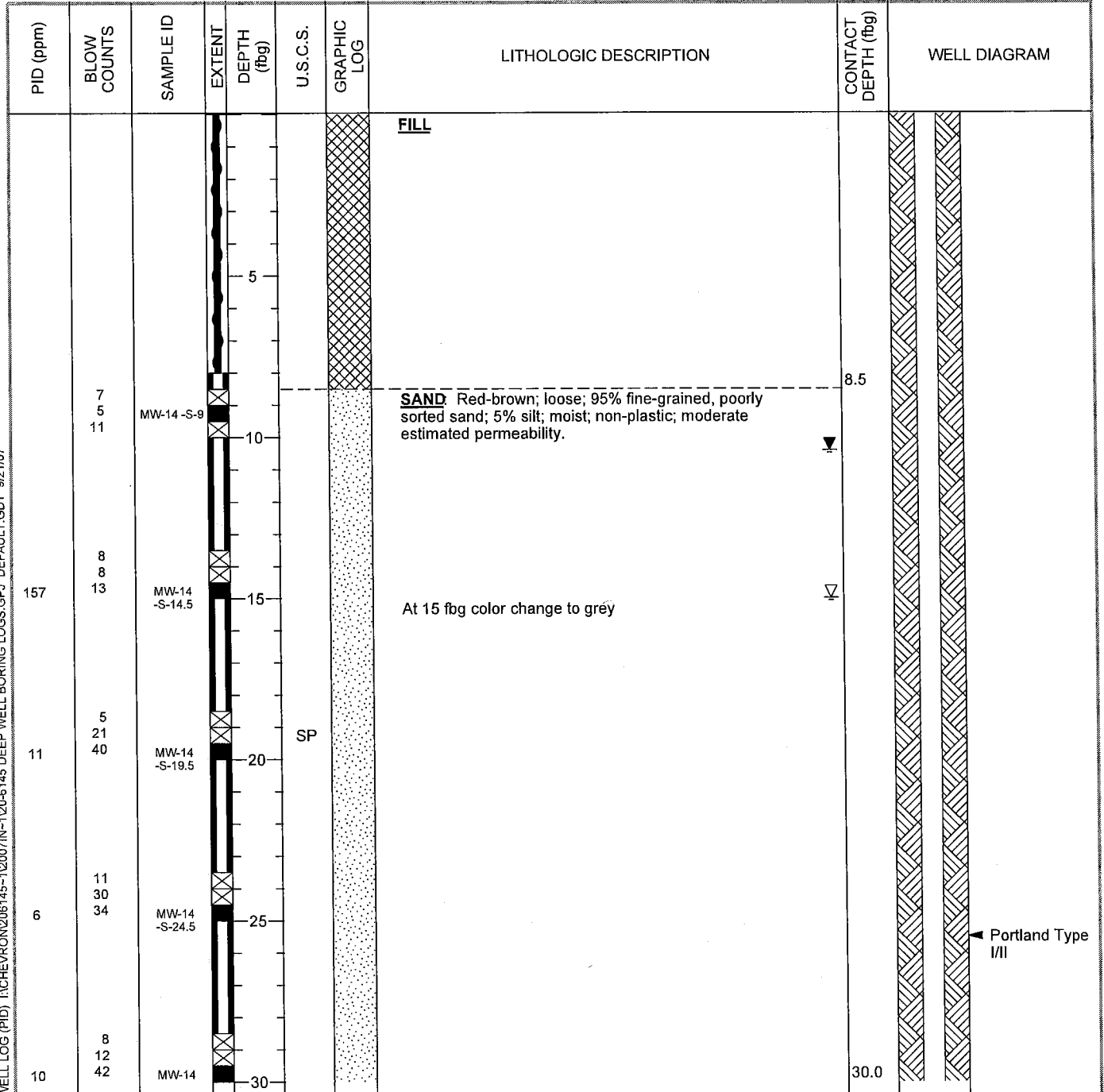
WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



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WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-14</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>11-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>11-Apr-07</u>
PROJECT NUMBER	<u>312002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Gregg Drilling</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hollow-stem auger</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>8"</u>	SCREENED INTERVALS	<u>55 to 60 fbg</u>
LOGGED BY	<u>I. Hull</u>	DEPTH TO WATER (First Encountered)	<u>15.0 fbg (11-Apr-07)</u> ▼
REVIEWED BY	<u>B. Foss, RG# 7445</u>	DEPTH TO WATER (Static)	<u>10.42 fbg (20-Apr-07)</u> ▼
REMARKS	<u>Cleared to 8 fbg with air knife.</u>		



WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

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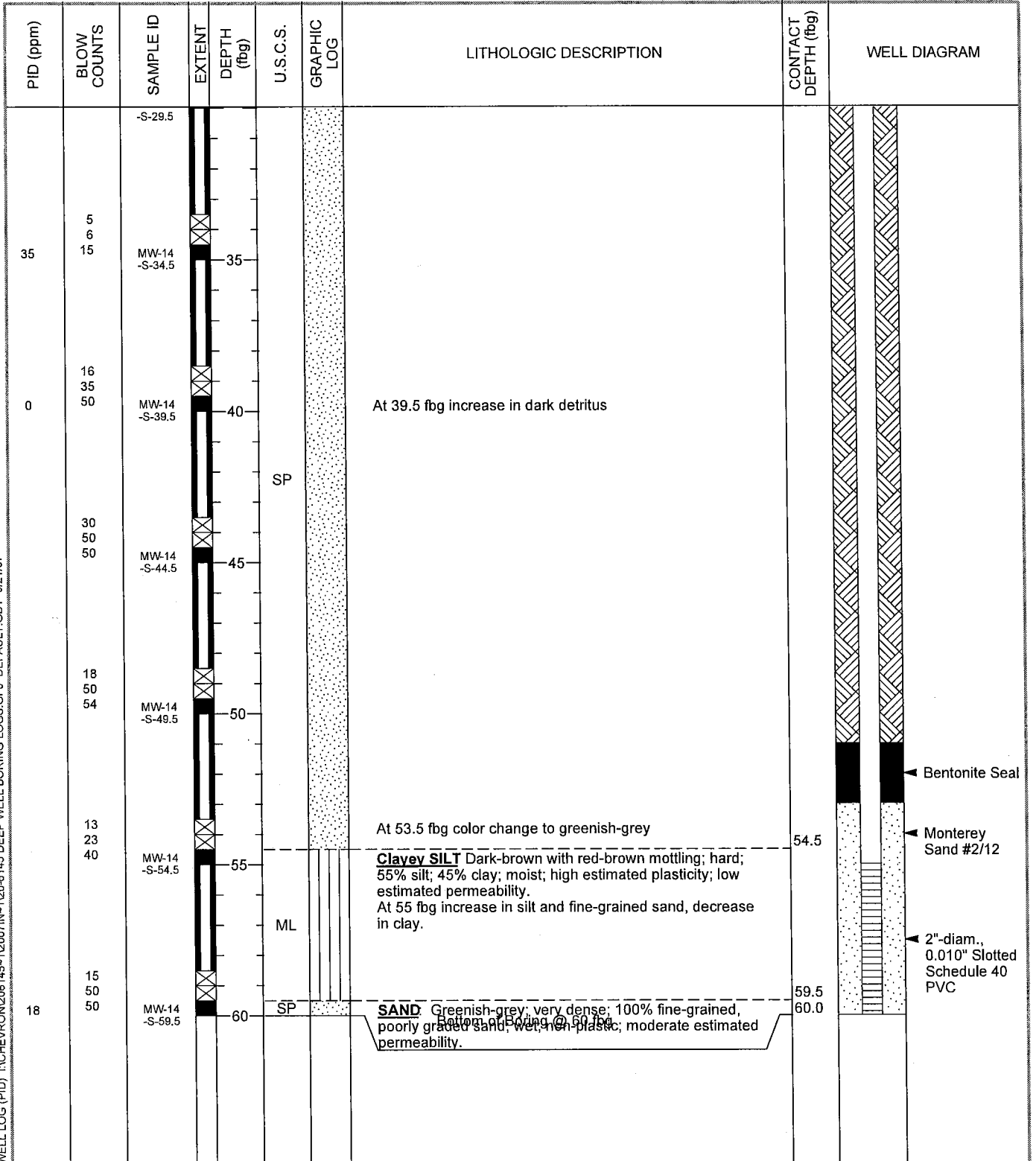


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WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-14</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>11-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>11-Apr-07</u>

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WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-15
JOB/SITE NAME	20-6145	DRILLING STARTED	12-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	12-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	35 to 40 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	14.0 fbg (12-Apr-07) ▽
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	8.60 fbg (20-Apr-07) ▽
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				5			SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability.		
				10					
				15	SP				
				20			At 20 fbg color change to dark red-brown		
				25					
				30					
								30.0	

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



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WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-15</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>12-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>12-Apr-07</u>

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				SP		<p>Bottom of Boring @ 40 fbg</p>	40.0	<p> Bentonite Seal Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC </p>

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WELL/BORING LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>MW-16</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>12-Apr-07</u>
LOCATION	<u>800 Center Street, Oakland CA</u>	DRILLING COMPLETED	<u>12-Apr-07</u>
PROJECT NUMBER	<u>312002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Gregg Drilling</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hollow-stem auger</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>8"</u>	SCREENED INTERVALS	<u>55 to 60 fbg</u>
LOGGED BY	<u>I. Hull</u>	DEPTH TO WATER (First Encountered)	<u>14.0 fbg (12-Apr-07)</u> ▼
REVIEWED BY	<u>B. Foss, RG# 7445</u>	DEPTH TO WATER (Static)	<u>9.82 fbg (20-Apr-07)</u> ▼
REMARKS	<u>Cleared to 8 fbg with air knife.</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						<p>SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability.</p> <p>At 20 fbg color change to dark red-brown</p>		<p>Portland Type III</p>
				SP			30.0	

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-16
JOB/SITE NAME	20-6145	DRILLING STARTED	12-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	12-Apr-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
				35					
				40			At 40 ftg increasing dark detritus		
				45	SP				
				50					
				54.0	CL		Silty CLAY Dark brown; moist; hard; 60% clay; 40% silt; high plasticity; low estimated permeability.	54.0	
				54.5			SAND Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability.	54.5	Monterey Sand #2/12
				55	SP				
				59.5	CL		Silty CLAY Dark grey; hard; 65% clay; 30% silt; 5% sand; moist; high plasticity; low estimated permeability.	59.5	
				60				60.0	2"-diam., 0.010" Slotted Schedule 40 PVC

WELL LOG (PID), I:\CHEVRON\206145-1\2007IN-12D-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-17
JOB/SITE NAME	20-6145	DRILLING STARTED	13-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	13-Apr-07
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	8"	SCREENED INTERVALS	70 to 75 fbg
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered)	14.0 fbg (13-Apr-07) ▼
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	19.50 fbg (20-Apr-07) ▼
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1334	16 17 24	MW-17 -S-9.5	10			SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. At 20 fbg color change to dark red-brown		
10	7 9 12	MW-17 -S-14.5	15	SP			▼	
18	6 13 18	MW-17 -S-19.5	20				▼	
3	10 12 26	MW-17 -S-24.5	25					
2	15 26 50	MW-17	30				30.0	

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

Continued Next Page



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-17
JOB/SITE NAME	20-6145	DRILLING STARTED	13-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	13-Apr-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft)	WELL DIAGRAM
0	16 50 50	MW-17 -S-29.5	35					<p>← Portland Type I/II</p>
1	15 50 50	MW-17 -S-34.5	40	SP		At 40 fbg increasing dark detritus		
10	17 50 50	MW-17 -S-39.5	45					
1	50 50 55	MW-17 -S-44.5	50					
2	22 50 50	MW-17 -S-49.5	55	CL		Silty CLAY Dark brown; moist; hard; 60% clay; 40% silt; high plasticity; low estimated permeability. SAND Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability.	54.0 54.5	
1	30 27 50	MW-17 -S-54.5	60	CL		Silty CLAY Dark grey; hard; 65% clay; 30% silt; 5% sand; moist; high plasticity; low estimated permeability. SAND Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability.	59.5 60.0	
	15 30			SP			64.5	

WELL LOG (PID) I:\CHEVRON\206145-1\2007IN-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07

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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-17
JOB/SITE NAME	20-6145	DRILLING STARTED	13-Apr-07
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	13-Apr-07

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
0	35	MW-17 -S-64.5		65	CL		At 64 ftg color change to brown Silty CLAY : Dark grey; hard; 65% clay; 30% silt; 5% sand; moist; high plasticity; low estimated permeability. SAND : Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability.	65.0	
0	13 13 25	MW-17 -S-69.5		70	SP				
0	16 16 50	MW-17 -S-74.5		75			Bottom of Boring @ 75 ftg	75.0	

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B1
JOB/SITE NAME	20-6145	DRILLING STARTED	07-Jun-06
LOCATION	800 Center Street, Oakland, California	DRILLING COMPLETED	12-Jun-06
PROJECT NUMBER	31J-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Co., C57 #710079	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2 3/4"	SCREENED INTERVALS	NA
LOGGED BY	J. Ortega	DEPTH TO WATER (First Encountered)	12.0 fbg (12-Jun-06) ▽
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static)	NA ▽
REMARKS	Hand augered to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		B1-10	0-10			BASEROCK : Light gray; 60% poorly-graded, angular gravel (1/2-1" diameter), 15% poorly-graded, fine-grained sand; 15% silt; 10% clay; dry; non-plastic; high estimated permeability. @ 5' - increase in moisture		 ← Portland Type I/II
76		B1-15	10-15	SM		Silty SAND : Grey brown; 85% poorly-graded, fine-grained sand, 15% silt; wet; low estimated plasticity; high estimated permeability.	11.5 ▽	
120		B1-17	15-17					
92		B1-10.5	17-20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\206145-1\EXCAV-1\SOILPR-1\BORING LOGS.GPJ DEFAULT.GDT 10/05/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B2</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>13.0 fbg (12-Jun-06)</u>
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0			TOPSOIL with grass	0.5	<p>Portland Type I/II</p> <p>Bottom of Boring @ 20 fbg</p>
		B2-5		5			SILTY SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.		
							@ 6' - color change to light brown; increase in moisture		
		B2-9.5		10	SM		@ 11' - color change to gray		
							@ 13' - wet		
		B2-15		15					
		B2-17							
		B2-19.5		20				20.0	

WELL LOG (PID) \A206145-1\EXCAV-1\SOILPR-1\BORING LOGS.GPJ DEFAULT.GDT 10/5/05



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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	B3
JOB/SITE NAME	20-6145	DRILLING STARTED	07-Jun-06
LOCATION	800 Center Street, Oakland, California	DRILLING COMPLETED	12-Jun-06
PROJECT NUMBER	31J-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Co., C57 #710079	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2 3/4"	SCREENED INTERVALS	NA
LOGGED BY	J. Ortega	DEPTH TO WATER (First Encountered)	12.0 fbg (12-Jun-06)
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						TOPSOIL with grass Silly SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.	0.5	
0		B3-5	5					
0		B3-10	10	SM		@ 12' - wet		
0		B3-16	15					
0		B3-17						
0		B3-19.5	20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) 1206145-1EXCAVA-1SOILPR-1BORING LOGS.GPJ_DEFAULT.GDT 10/5/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B4</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>12.0 fbg (12-Jun-06)</u> ▽
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u> ▾
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						TOPSOIL with grass	0.5	
		B4-5	5			Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability. @ 12' - wet		
0		B4-9.5	10	SM				Portland Type I/II
0		B4-15	15					
0		B4-17	17					
0		B4-19.5	20					Bottom of Boring @ 20 fbg

WELL LOG (PID), 0206145-1EXCAVA-1SOILPR-1BORING LOGS.GPJ DEFAULT.GDT 10/5/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B5</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>12.5 fbg (12-Jun-06)</u> ▽
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u> ▼
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						ASPHALT	0.5'	
0		B5-5	5			Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.		
0		B5-0.5	10	SM		@ 10' - color change to gray		Portland Type III
0		B5-14.5	15			@ 12.5' - wet	▽	
0		B5-17						
1		B5-19.5	20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) I:\206145-1\EXCAVA-1\BORING LOGS.GPJ DEFAULT.GDT 10/5/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B6</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>12.0 fbg (12-Jun-06)</u> ▼
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u> ▼
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
			0			TOPSOIL with grass Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.	0.5	
		B6-5	5					
		B6-9.5	10	SM		@ 12' - wet	▼	Portland Type I/II
		B6-15	15			@ 15' - color change to gray brown		
		B6-19.5	20			@ 19' - color change to dark brown	20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) \\206145-11EXCAVA-11BORING LOGS.GPJ DEFAULT.GDT 10/5/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B7</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>12.0 fbg (12-Jun-06)</u>
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						TOPSOIL with grass	0.5	
						Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.		
						@ 4' - moist		
0		B7-5	5					
0		B7-10	10	SM				Portland Type III
0		B7-14.5	15					
0		B7-19.5	20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) 1:206145-1EXCAVA-1SOILPR-1BORING LOGS.GPJ DEFAULT.GDT 10/5/06



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BORING/WELL LOG

CLIENT NAME	<u>Chevron Environmental Management Company</u>	BORING/WELL NAME	<u>B8</u>
JOB/SITE NAME	<u>20-6145</u>	DRILLING STARTED	<u>07-Jun-06</u>
LOCATION	<u>800 Center Street, Oakland, California</u>	DRILLING COMPLETED	<u>12-Jun-06</u>
PROJECT NUMBER	<u>31J-2002</u>	WELL DEVELOPMENT DATE (YIELD)	<u>NA</u>
DRILLER	<u>Woodward Drilling Co., C57 #710079</u>	GROUND SURFACE ELEVATION	<u>Not Surveyed</u>
DRILLING METHOD	<u>Hydraulic push</u>	TOP OF CASING ELEVATION	<u>Not Surveyed</u>
BORING DIAMETER	<u>2 3/4"</u>	SCREENED INTERVALS	<u>NA</u>
LOGGED BY	<u>J. Ortega</u>	DEPTH TO WATER (First Encountered)	<u>13.0 fbg (12-Jun-06)</u>
REVIEWED BY	<u>B. Foss PG #7445</u>	DEPTH TO WATER (Static)	<u>NA</u>
REMARKS	<u>Hand augered to 8 fbg</u>		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						<p>TOPSOIL with grass</p> <p>Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability.</p> <p>@ 4' - moist</p>	0.5	<p>Portland Type III</p> <p>Bottom of Boring @ 20 fbg</p>
0		BB-5	5					
0		BB-8.5	10	SM		@ 13' - wet		
0		BB-14.5	15					
0		BB-19.5	20				20.0	

WELL LOG (PID): I:\2005\145-1\EXCAV-1\BORING LOGS.GPJ DEFAULT.GDT 10/9/06



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-1
JOB/SITE NAME	20-6145	DRILLING STARTED	01-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	01-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	11.0 fbg (01-Nov-04) ▽
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA ▽
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		C1@5	5	SW		Gravelly SAND: Medium gray; dry; loose; 80% sand, 20% gravel; moderate to high estimated permeability. Fill?	5.0 5.5	<p>Gravel</p> <p>Portland Type I/II</p>
0		C1@10	10	SM		Silty SAND: Light brown; damp; dense; 90% fine sand, 10% silt; moderate to high estimated permeability. Silty SAND: Light brown with gray mottling; damp; moderately dense; 80% fine sand, 20% silt; moderate to high estimated permeability.	8.0 9.0	
2		C1@15	15			Silty SAND: Light brown with gray mottling; damp; moderately dense; 85% fine sand, 15% silt; moderate to high estimated permeability. At 19 fbg approximately 3" of soil with black and red staining was observed.	14.0	
0		C1@20	20	SM			14.0	
1		C1@ 24.5	25			Bottom of Boring @ 25 fbg	25.0	

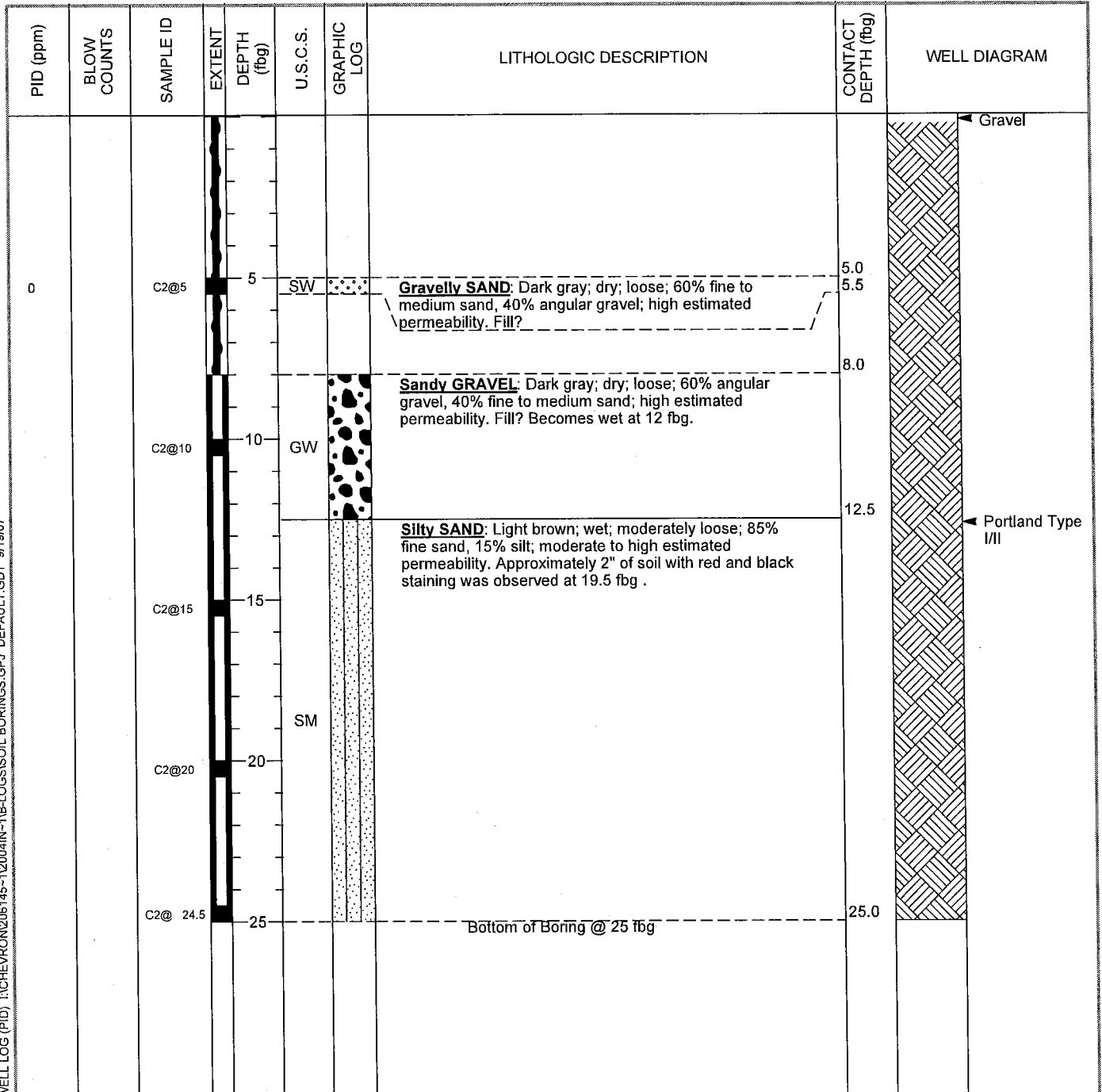
WELL LOG (PID) I:\CHEVRON\206145-1\2004IN-1\B-LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-2
JOB/SITE NAME	20-6145	DRILLING STARTED	01-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	01-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		



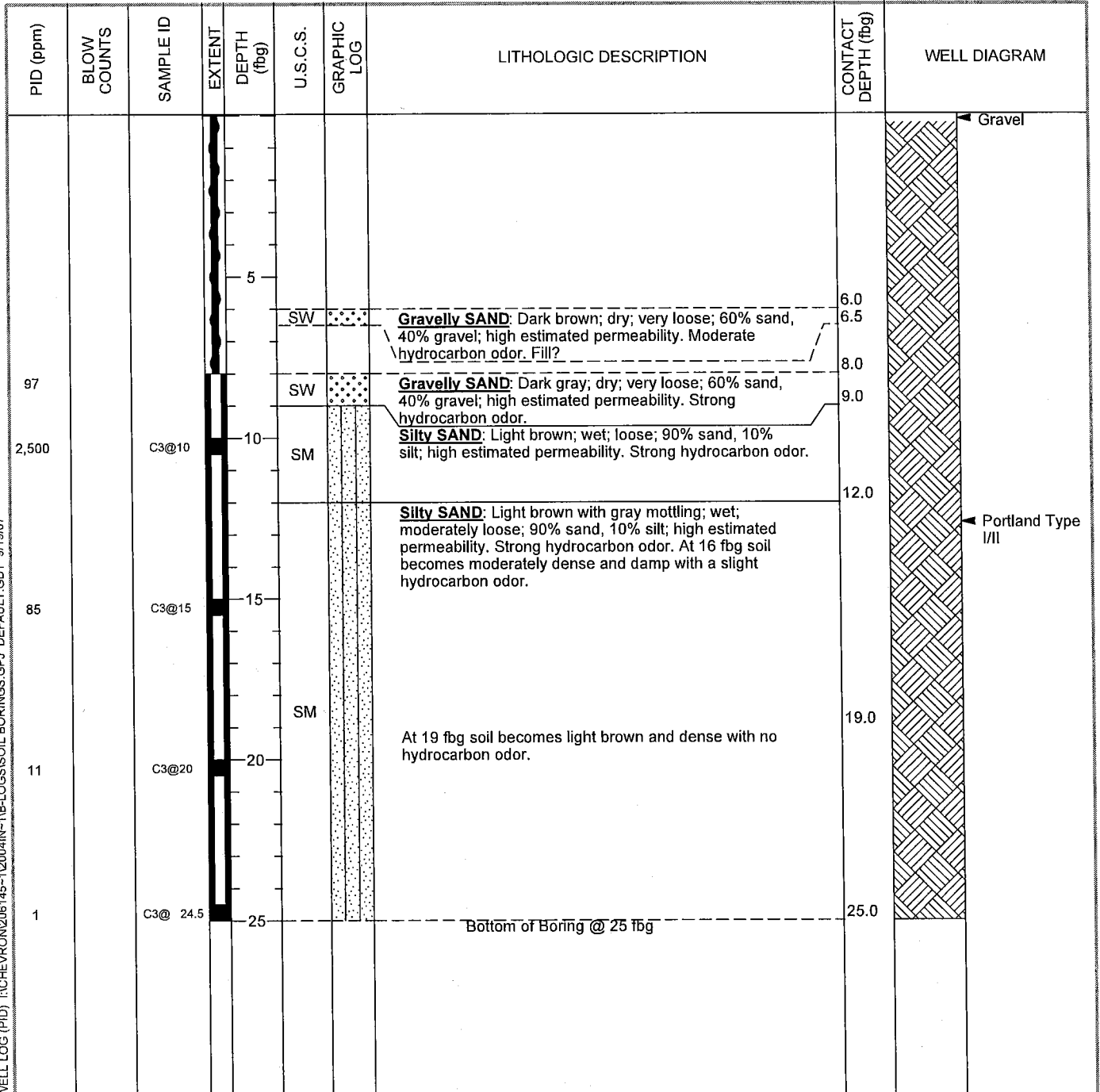
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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-3
JOB/SITE NAME	20-6145	DRILLING STARTED	01-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	01-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		



WELL LOG (PID) I:\CHEVRON\206145-1\2004IN-1B-LOGSOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-4
JOB/SITE NAME	20-6145	DRILLING STARTED	02-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	02-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
5		C4@5	5	SW		Gravelly SAND: Medium brown; dry; moderately loose; 60% sand, 40% gravel; high estimated permeability. Fill?	5.0	<p>← Gravel</p> <p>← Portland Type I/II</p>
894		C4@10	10			Silty SAND: Light brown; dry; moderately loose; 85% fine sand, 15% silt; high estimated permeability. Strong hydrocarbon odor from approximately 8 to 16 fbg. Approximately 2" of soil with green and black staining was observed at 9 fbg. Soil becomes damp at 11 fbg and wet at 13 fbg.	8.0	
16		C4@15	15	SM		From 13 to 16 fbg soil is loose and greenish gray with black staining.		
0		C4@20	20			From 16-18 soil is light brown with light gray mottling.		
0		C4@ 24.5	25			From 18 to 23 fbg soil becomes moderately dense and light brown.		
						Bottom of Boring @ 25 fbg	25.0	

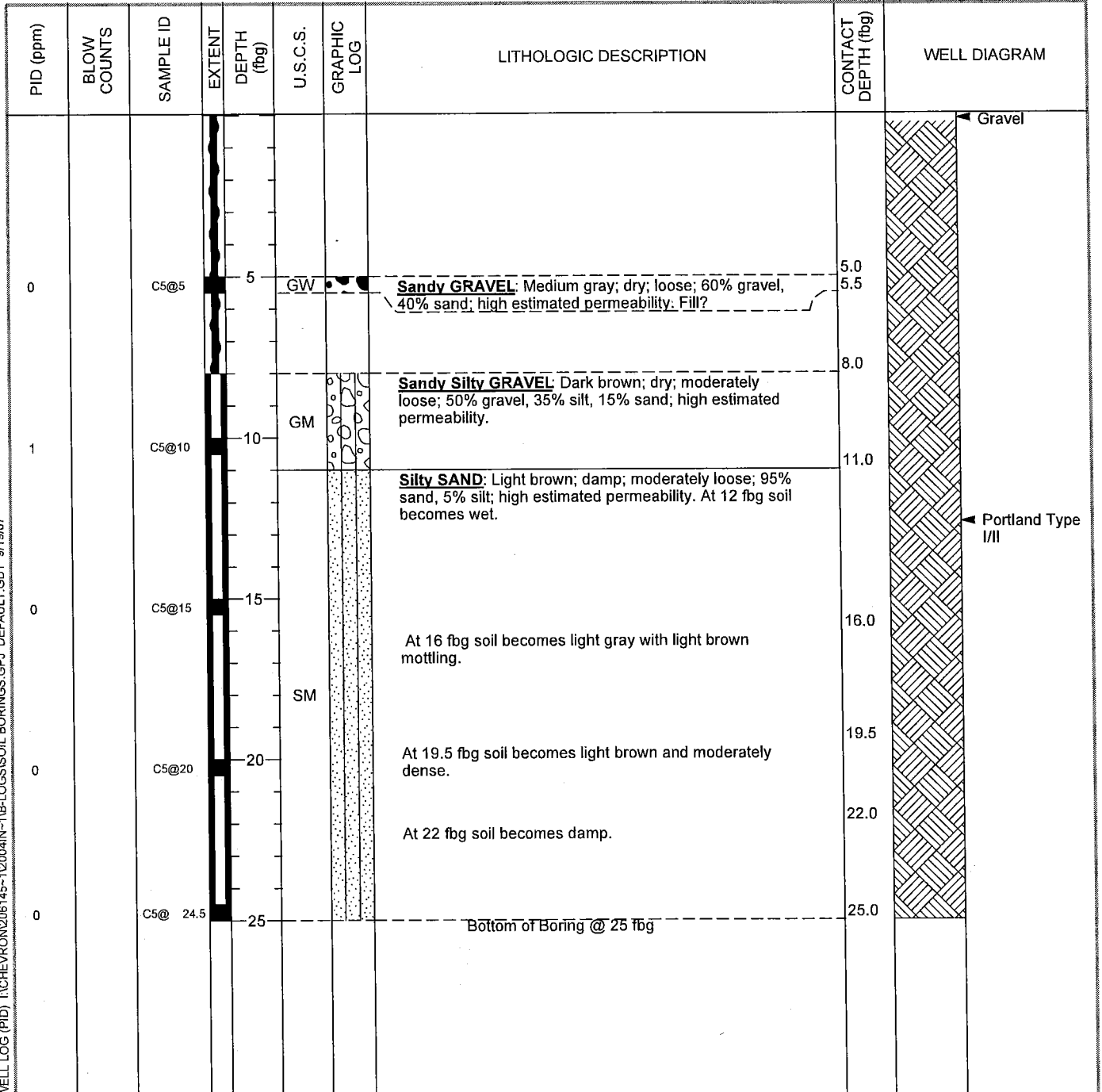
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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-5
JOB/SITE NAME	20-6145	DRILLING STARTED	02-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	02-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		



WELL LOG (PID) I:\CHEVRON\206145-12004IN-1\B-LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-6
JOB/SITE NAME	20-6145	DRILLING STARTED	02-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	02-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
			5	SM		Silty SAND: Dark brown; dry; loose; 90% fine sand, 10% silt; high estimated permeability.	5.0 5.5	<p>Gravel</p> <p>Portland Type I/II</p>
			8.0	SW		Silty Gravelly SAND: Dark brown; dry; dense; 80% fine sand, 10% silt, 10% gravel; high estimated permeability. Strong hydrocarbon odor.	8.0 8.5	
1178		C6@10	10			Silty SAND: Light brown; dry; dense; 90% sand, 10% silt; high estimated permeability. Strong hydrocarbon odor. At 11 fbg soil becomes loose and damp.	11.0	
284		C6@15	15			At 13.5 fbg soil becomes wet and light gray with light brown mottling. At 15 fbg, slight hydrocarbon odor.	15.0	
69		C6@20	20	SM		From 16 to 18 fbg soil has intermittent black and green staining.	18.0 19.0	
0		C6@ 24.5	25			At 19 fbg soil becomes light brown and there is no hydrocarbon odor. Bottom of Boring @ 25 fbg	25.0	

WELL LOG (PID) I:\CHEVRON\206145-1\2004IN-1B-LOG\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-7
JOB/SITE NAME	20-6145	DRILLING STARTED	01-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	01-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
1		C7@5		5			Sandy GRAVEL: Dark gray; dry; loose; 60% angular gravel, 40% fine sand; high estimated permeability. Fill?	5.0	
		C7@10		10	GW				
601		C7@15		15			Silty SAND: Dark brown with light gray mottling; damp; loose; 90% fine sand, 10% silt; high estimated permeability. Strong hydrocarbon odor at 12 fbg, slight odor at 16 fbg, no odor from 18 fbg down.	12.0	
19		C7@20		20	SM		At 20 fbg soil becomes light gray and at 22 fbg it is light brow	22.0	
3		C7@ 24.5		25			Bottom of Boring @ 25 fbg	25.0	

WELL LOG (PID) I:\CHEVRON\206145-1\LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-8
JOB/SITE NAME	20-6145	DRILLING STARTED	02-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	02-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		C8@5		5			Silty SAND: Light brown; dry; moderately loose; 95% fine sand, 5% silt; high estimated permeability. Strong hydrocarbon odor.	5.0	<p>Gravel</p> <p>Portland Type I/II</p>
1436		C8@10		10	SM	Soil becomes damp at 8 fbg.	8.0		
1088		C8@15		15		Soil becomes wet at 13.5 fbg.	13.5		
10		C8@20		20	SM	Silty SAND: Dark brown with light gray mottling; damp; moderately loose; 90% fine sand, 10% silt; high estimated permeability. Moderate hydrocarbon odor to 17.5 fbg, slight odor to 19.5 fbg, no odor from 19.5 fbg down. At approximately 18 fbg soil becomes light brown.	16.0		
2		C8@ 24.5		25			Bottom of Boring @ 25 fbg	25.0	

WELL LOG (PID) I:\CHEVRON\206145-12004\IN-1\B-LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



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WELL/BORING LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-9
JOB/SITE NAME	20-6145	DRILLING STARTED	02-Nov-04
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	02-Nov-04
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	2"	SCREENED INTERVALS	NA
LOGGED BY	Sarah Owen	DEPTH TO WATER (First Encountered)	NA
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA
REMARKS	Cleared to 8 fbg with air knife.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		C9@5	5	SM		Silty SAND: Light brown; dry; very loose; 95% fine sand, 5% silt; high estimated permeability.	5.0 5.5	
0		C9@10	10	SW		Gravelly Silty SAND: Light brown; dry; very dense; 90% fine sand, 5% gravel, 5% silt; high estimated permeability. Silty SAND>: Light brown; damp; moderately dense; 90% fine sand, 10% silt; high estimated permeability. Soil becomes wet and moderately loose at 11 fbg.	8.0 8.5	
0		C9@15	15	SM		From 13 to 16 fbg soil is light gray with light brown mottling.	16.0	
0		C9@20	20	SM		Silty SAND with clay: Light brown; damp; loose; 85% fine sand, 10% silt, 5% clay; high estimated permeability. Approximately 3" of black and red staining at 18.5 fbg. Silty SAND: Light brown; damp; moderately dense; 95% fine sand, 5% silt; high estimated permeability.	18.5 19.5	
0		C9@ 24.5	25			Bottom of Boring @ 25 fbg	25.0	

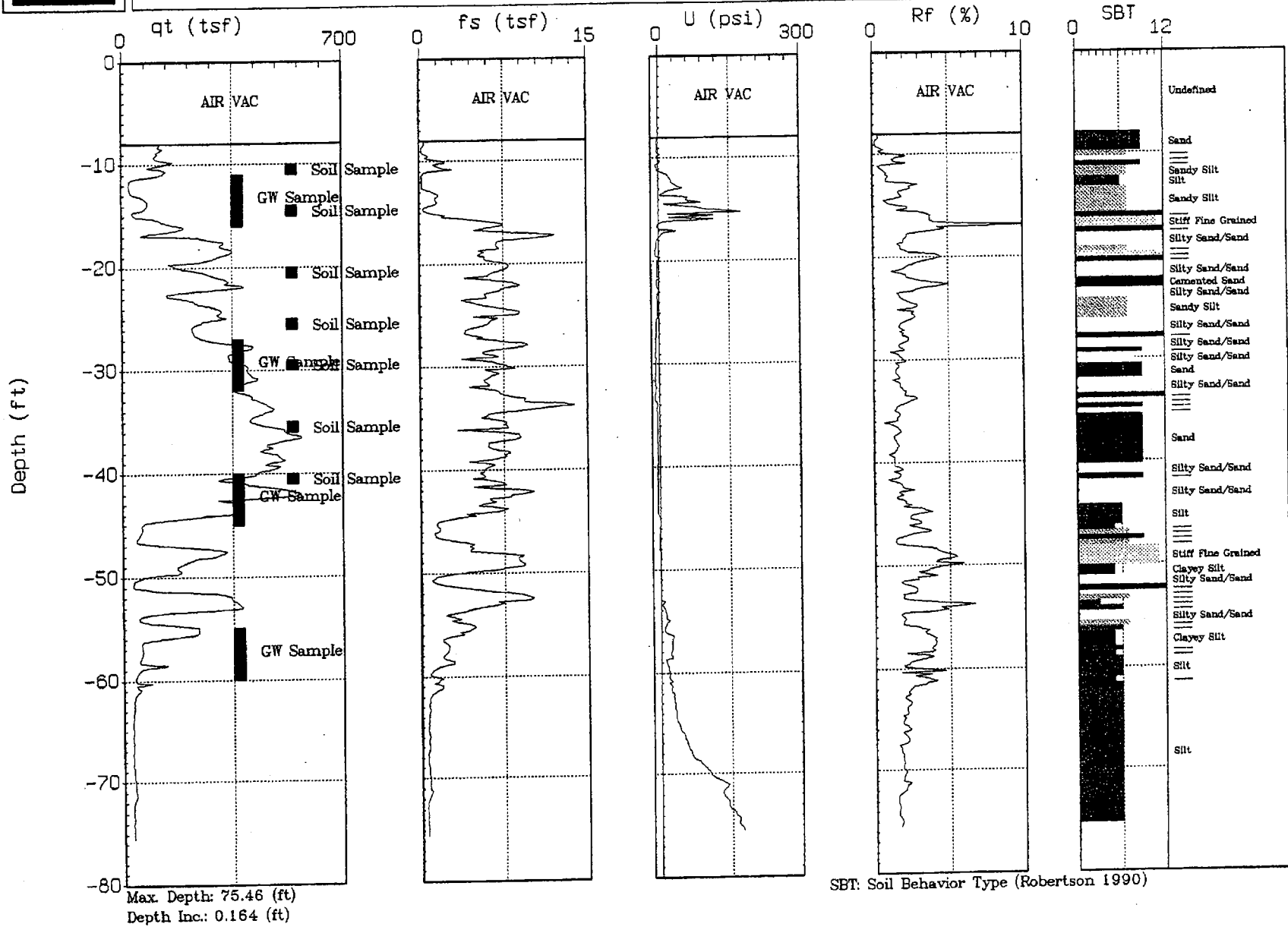
WELL LOG (PID) I:\CHEVRON\206145-1\2004IN-1B-LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07



CAMBRIA

Site: CHEURON 206145
Location: CPT-01

Geologist: S. OWEN
Date: 10:06:04 10:44

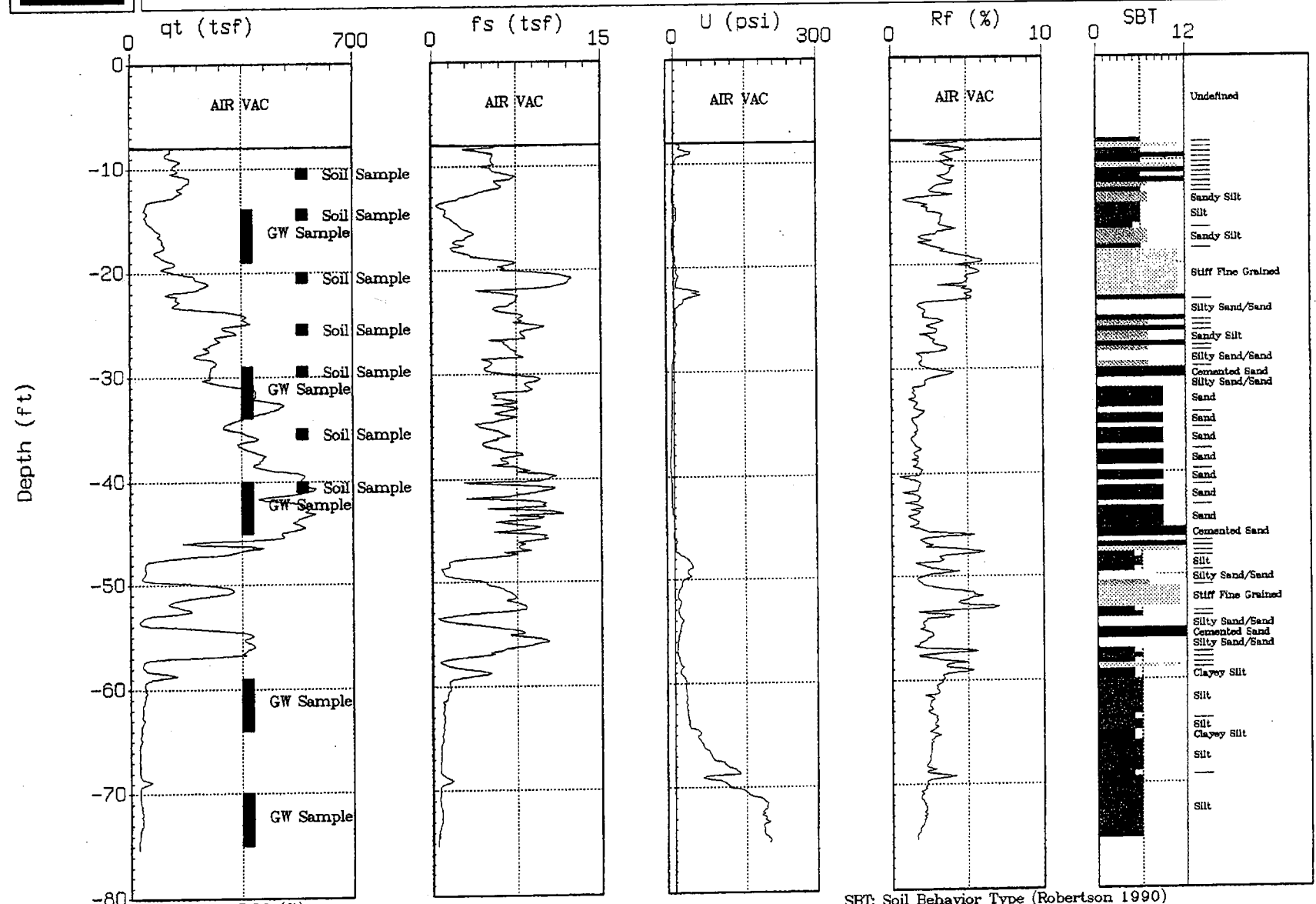




CAMBRIA

Site: CHEURON 206145
Location: CPT-02

Geologist: S. OWEN
Date: 10:07:04 08:24



Max. Depth: 75.29 (ft)
Depth Inc.: 0.164 (ft)

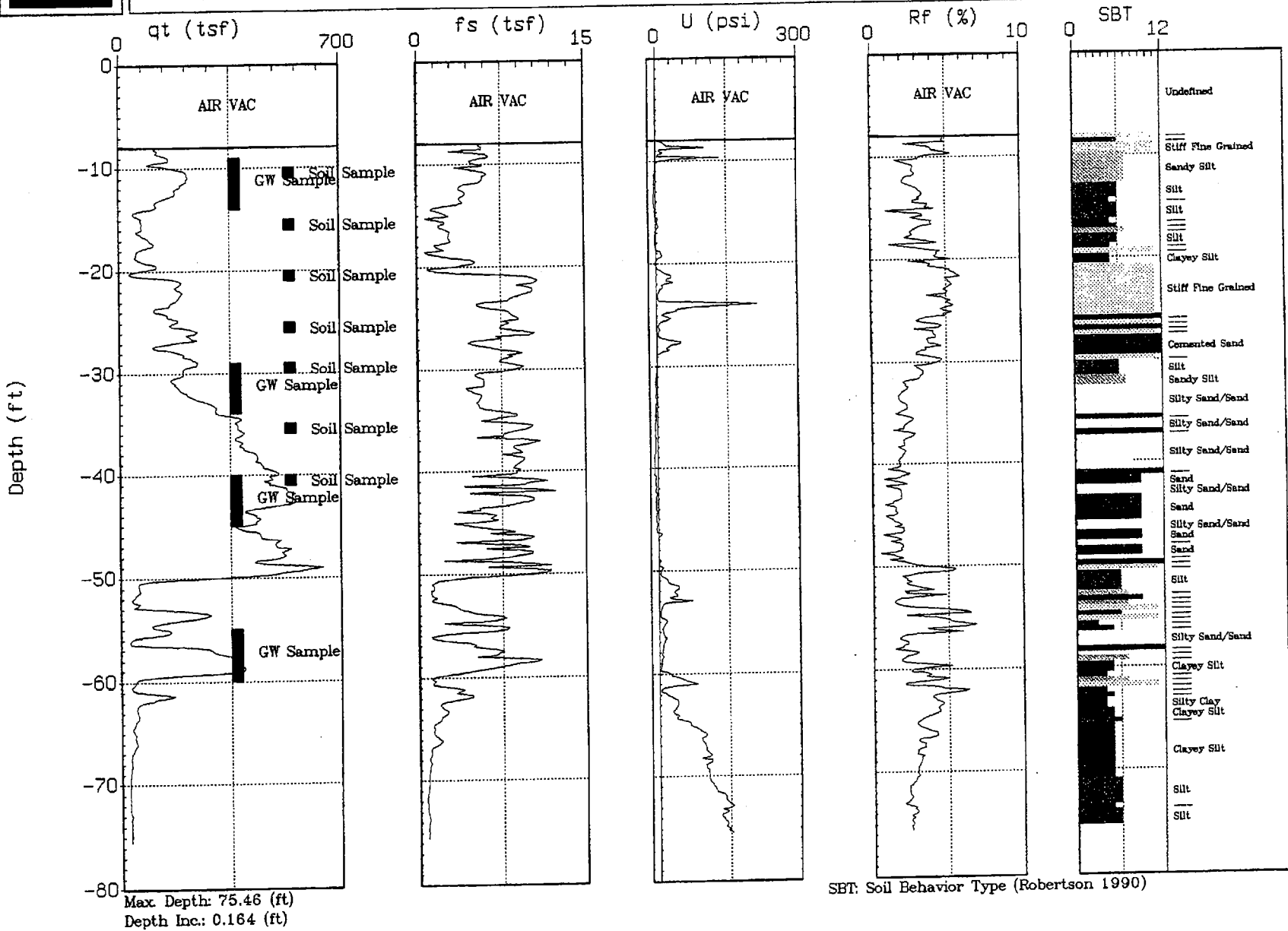
SBT: Soil Behavior Type (Robertson 1990)



CAMBRIA

Site: CHEVRON 206145
Location: CPT-03

Geologist: S. OWEN
Date: 10:08:04 15:26

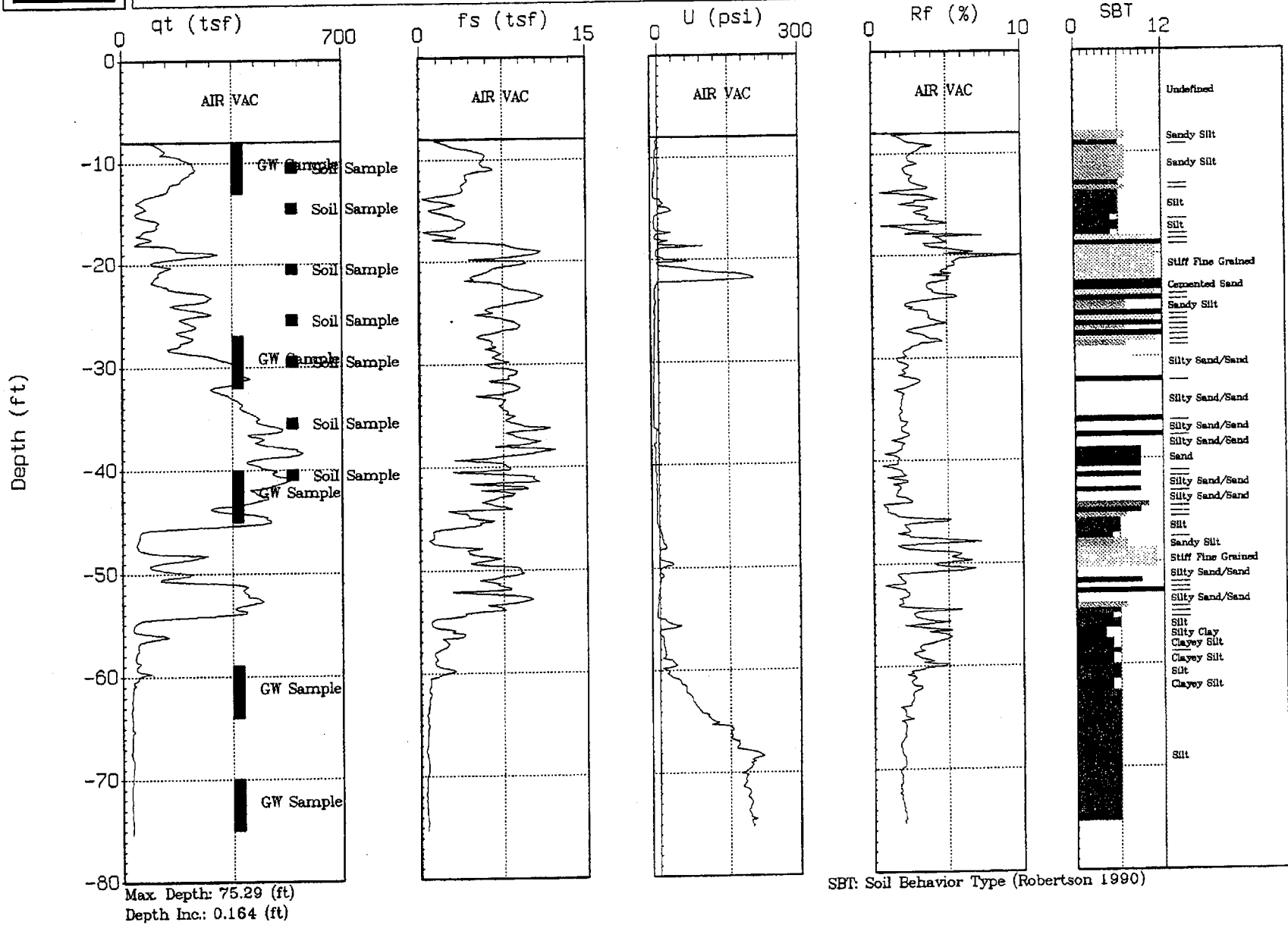




CAMBRIA

Site: CHEVRON 206145
Location: CPT-04

Geologist: S. OWEN
Date: 10:07:04 15:34

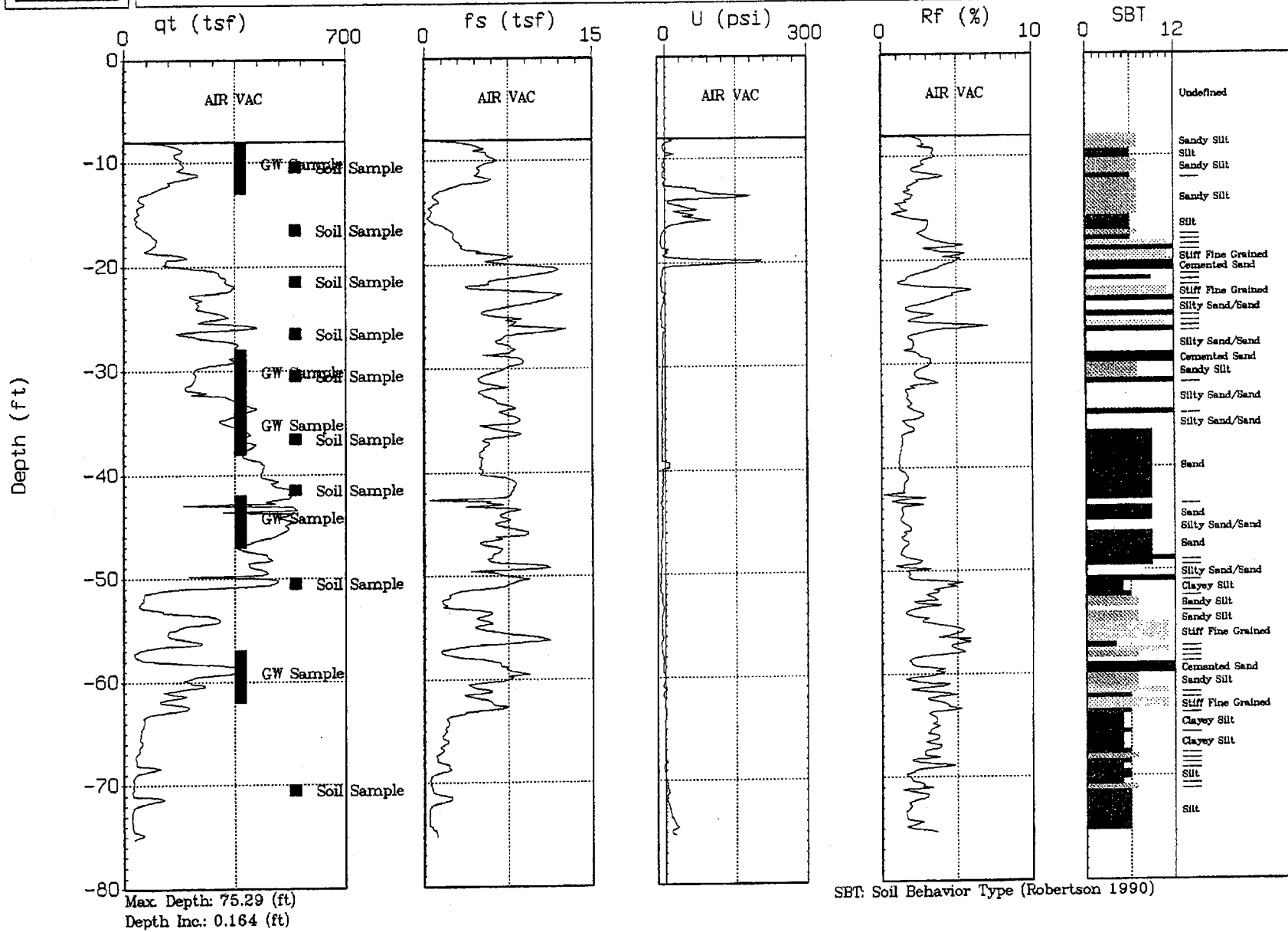




CAMBRIA

Site: CHEVRON 206145
Location: CPT-05

Geologist: S. OWEN
Date: 10:11:04 10:43



Gettler-Ryan, Inc.

Log of Boring G-1

PROJECT: Former Chevron Service Station No. 20-8145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG261456.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02






WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0 - 2					SP-SM	Asphalt - 2 inches thick.	
2 - 5					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
5 - 6					SM	SILTY SAND (SM) - dark grayish brown (10YR 4/2), moist, dense; 75% fine sand, 25% silt.	
6 - 10	31	G-1 (5)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, medium dense; 90% fine sand, 10% silt.	Hand augered to 5 feet bgs.
10 - 12	256	G-1 (10)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, medium dense; 90% fine sand, 10% silt.	
12 - 14						Bottom of boring at 12 feet bgs.	

Gettler-Ryan, Inc.

Log of Boring G-2

PROJECT: <i>Former Chevron Service Station No. 20-6145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>DG261456.4CT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>08/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>03/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP	Asphalt - 2 inches thick.	
2						POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
4							
5	39	G-2 (5)				Color changes to grayish brown (10YR 5/2).	Hand augered to 5 feet bgs.
6							
8						Color changes to strong brown (7.5YR 5/6).	
10	175	G-2 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-3

PROJECT: *Former Chevron Service Station No. 20-6145*

LOCATION: *800 Center Street, Oakland, California*

GR PROJECT NO.: *DG261456.4CT1*

SURFACE ELEVATION:

DATE STARTED: *06/21/02*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *06/21/02*






WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *2 in. Geoprobe*

TOTAL DEPTH: *12 feet*

DRILLING COMPANY: *Gregg Drilling*

GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0 - 2					SP-SM	Asphalt - 2 inches thick. POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
2 - 5	16	G-3 (5)			SP-SM		
5 - 6						Color changes to dark greenish gray (Gley I, 4/5GY).	
6 - 10					SM	SILTY SAND (SM) - reddish brown (5YR 4/4), moist, medium dense; 75% fine sand, 25% silt.	Hand augered to 5 feet bgs.
10 - 12	38	G-3 (10)					
12 - 14						Bottom of boring at 12 feet bgs.	

Gettler-Ryan, Inc.

Log of Boring G-4

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG261456.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Asphalt - 2 inches thick.	
2					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4							
6	10	G-4 (5)				Color changes to dark greenish gray (Gley 1, 4/5GY).	Hand augered to 5 feet bgs.
8					SM	SILTY SAND (SM) - reddish brown (5YR 4/4), moist, medium dense; 75% fine sand, 25% silt.	
10	278	G-4 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-5

PROJECT: <i>Former Chevron Service Station No. 20-6145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>DG261456.4CT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0 - 2					SP-SM	Asphalt - 2 inches thick.	
2 - 5						POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
5 - 12	12	G-5 (5)					Hand augered to 5 feet bgs.
10 - 12	291	G-5 (10)					
12 - 14						Bottom of boring at 12 feet bgs.	

Gettler-Ryan, Inc.			Log of Boring G-6		
PROJECT: <i>Former Chevron Service Station No. 20-8145</i>			LOCATION: <i>800 Center Street, Oakland, California</i>		
GR PROJECT NO.: <i>DG261456.4CT1</i>			SURFACE ELEVATION:		
DATE STARTED: <i>06/21/02</i>			WL (ft. bgs):	DATE:	TIME:
DATE FINISHED: <i>06/21/02</i>			WL (ft. bgs):	DATE:	TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>			TOTAL DEPTH: <i>12 feet</i>		
DRILLING COMPANY: <i>Gregg Drilling</i>			GEOLOGIST: <i>Andrew Smith</i>		

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	Asphalt - 2 inches thick.	
2						POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/8), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4							
6	100	G-6 (5)					Hand augered to 5 feet bgs.
8							
10	>1000	G-6 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-7

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145G.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0 - 2					SP-SM	Asphalt - 2 inches thick. POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 80% fine sand, 10% silt.	Boring back filled with neat cement to ground surface.
2 - 5	24	G-7 (5)			SM	SILTY SAND (SM) - dark brown (7.5YR 3/3), moist, medium dense; 60% fine sand, 30% silt.	Hand augered to 5 feet bgs.
5 - 10	357	G-7 (10)					
10 - 12						Bottom of boring at 12 feet bgs.	
12 - 14							

Gettler-Ryan, Inc.

Log of Boring G-8

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG261456.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 08/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0 - 2					SM	Asphalt - 2 inches thick. SILTY SAND (SM) - brown (7.5YR 5/3), moist, loose; 75% fine sand, 25% silt.	Boring backfilled with neat cement to ground surface.
2 - 5		G-8 (5)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, medium dense; 90% fine sand, 10% silt, trace gravel.	Hand augered to 5 feet bgs.
5 - 10	36.1	G-8 (10)					
10 - 12	>1000					Bottom of boring at 12 feet bgs.	

Gettler-Ryan, Inc.

Log of Boring G-9

PROJECT: *Former Chevron Service Station No. 20-6145*

LOCATION: *800 Center Street, Oakland, California*

GR PROJECT NO.: *DG26145G.4CT1*

SURFACE ELEVATION:

DATE STARTED: *06/21/02*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *06/21/02*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *2 in. Geoprobe*

TOTAL DEPTH: *12 feet*

DRILLING COMPANY: *Gregg Drilling*

GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SM	Asphalt - 2 inches thick. SILTY SAND (SM) - grayish brown (10YR 5/2), moist, loose; 80% fine sand, 20% silt.	Boring backfilled with neat cement to ground surface.
2							
4							
5		G-9 (5)			ML	SILT (ML) - dark brown (7.5YR 3/3), moist, medium stiff; 90% silt, 10% fine sand, trace gravel.	Hand augered to 5 feet bgs.
6	379						
8					SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	
10	>1000	G-9 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

JOB NUMBER: *DG26145G.4CT1*

Gettler-Ryan, Inc.

Log of Boring G-10

PROJECT: <i>Former Chevron Service Station No. 20-6145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>DG26145G.4CT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Asphalt - 2 inches thick.	
2					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4							
5	157	6-10 (5)					
6							
8							
10	398	6-10 (10)					Hand augered to 5 feet bgs.
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-11

PROJECT: *Former Chevron Service Station No. 20-6145*

LOCATION: *800 Center Street, Oakland, California*

GR PROJECT NO.: *DG26145G.4CT1*

SURFACE ELEVATION:

DATE STARTED: *06/21/02*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *06/21/02*

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *2 in. Geoprobe*

TOTAL DEPTH: *12 feet*

DRILLING COMPANY: *Gregg Drilling*

GEOLOGIST: *Andrew Smith*

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP	Asphalt - 2 inches thick. POORLY GRADED SAND (SP) - dark brown (7.5YR 3/3), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
2							
4							
5		G-11 (5)					Hand augered to 5 feet bgs.
6						Color changes to strong brown (7.5YR 5/6).	
7	154						
8					SW	WELL-GRADED SAND (SW) - dark brown (7.5YR 3/3), moist, medium dense; 95% sand, 5% silt.	
10	283	G-11 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-12

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145G.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS	
2					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.	
4								
5		G-12 (5)						Hand augered to 5 feet bgs.
6								
8								
10		G-12 (10)						
12							Bottom of boring at 12 feet bgs.	
14								

Gettler-Ryan, Inc.		Log of Boring G-13	
PROJECT: <i>Former Chevron Service Station No. 20-6145</i>		LOCATION: <i>800 Center Street, Oakland, California</i>	
GR PROJECT NO.: <i>DG26145G.4CT1</i>		SURFACE ELEVATION:	
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs):	DATE:	TIME:
DATE FINISHED: <i>06/21/02</i>	WL (ft. bgs):	DATE:	TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>		
DRILLING COMPANY: <i>Gregg Drilling</i>		GEOLOGIST: <i>Andrew Smith</i>	

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
2					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4							Hand augered to 5 feet bgs.
6		G-13 (5)					
10		G-13 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-14

PROJECT: Former Chevron Service Station No. 20-6145
 GR PROJECT NO.: DG26145G.4CT1
 DATE STARTED: 06/21/02
 DATE FINISHED: 06/21/02
 DRILLING METHOD: 2 in. Geoprobe
 DRILLING COMPANY: Gregg Drilling

LOCATION: 800 Center Street, Oakland, California
 SURFACE ELEVATION:
 WL (ft. bgs): DATE: TIME:
 WL (ft. bgs): DATE: TIME:
 TOTAL DEPTH: 12 feet
 GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
2							
4							Hand augered to 5 feet bgs.
5		G-14 (5)					
6							
8						Color changes to dark brown (7.5YR 3/3),	
10		G-14 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-15

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG261456.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Grass, top soil, debirs and trace brick.	
2					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4						Color changes to light olive brown (2.5Y 4/3).	
6		G-15 (5)			SM	SILTY SAND (SM) - dark brown (7.5YR 3/3), moist, medium dense; 75% fine sand, 25% silt.	Hand augered to 5 feet bgs.
10		G-15 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-16

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG261456.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0							
2							
4							
5		G-16 (5)			SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
10		G-16 (10)					
12						Bottom of boring at 12 feet bgs.	Hand augered to 5 feet bgs.
14							

Gettler-Ryan, Inc.

Log of Boring G-17

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145G.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	
2							Boring backfilled with neat cement to ground surface.
4						Includes brick fragments.	
5		G-17 (5)					Hand augered to 5 feet bgs.
10	>1000	G-17 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-18


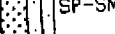

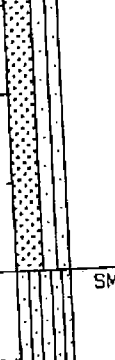

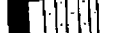
PROJECT: <i>Former Chevron Service Station No. 20-6145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>DG26145G.4CT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
2							
4							
5		G-18 (5)				Color changes to olive brown (2.5Y 4/3).	Hand augered to 5 feet bgs.
6							
8						Color changes to strong brown (7.5YR 5/6).	
10		G-18 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-19

PROJECT: <i>Former Chevron Service Station No. 20-8145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>DG26145G.ACT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP-SM	Asphalt - 2 inches thick. POORLY GRADED SAND WITH SILT (SP-SM) - brown (7.5YR 5/3), moist, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
2							
4					SM	SILTY SAND (SM) - reddish brown (5YR 5/3), moist, medium dense; 75% fine sand, 25% silt.	Hand augered to 5 feet bgs.
6		G-19 (5)					
10		G-19 (10)					
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-20

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145G.4CT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 03/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 12 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0					SP	Asphalt - 2 inches thick. POORLY GRADED SAND (SP) - dark brown (7.5YR 3/3), moist, loose; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
2							
4							
5		G-20 (5)				Color changes to olive brown (2.5Y 4/3).	
6							
7						Color changes to dark brown (7.5YR 3/3).	
8							
9							
10		G-20 (10)					Hand augered to 5 feet bgs.
11							
12						Bottom of boring at 12 feet bgs.	

Gettler-Ryan, Inc.

Log of Boring G-21

PROJECT: <i>Former Chevron Service Station No. 20-6145</i>	LOCATION: <i>800 Center Street, Oakland, California</i>
GR PROJECT NO.: <i>D626145G.4CT1</i>	SURFACE ELEVATION:
DATE STARTED: <i>06/21/02</i>	WL (ft. bgs): DATE: TIME:
DATE FINISHED: <i>03/21/02</i>	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: <i>2 in. Geoprobe</i>	TOTAL DEPTH: <i>12 feet</i>
DRILLING COMPANY: <i>Gregg Drilling</i>	GEOLOGIST: <i>Andrew Smith</i>

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Asphalt - 2 inches thick.	
2				[Dotted pattern]	SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
4				[Dotted pattern]			
6		G-21 (5)		[Solid black]			Hand augered to 5 feet bgs.
8				[Dotted pattern]			
10		G-21 (10)		[Solid black]			
12						Bottom of boring at 12 feet bgs.	
14							

Gettler-Ryan, Inc.

Log of Boring G-22

PROJECT: Former Chevron Service Station No. 20-8145
 LOCATION: 800 Center Street, Oakland, California
 GR PROJECT NO.: DG26145G.4CT1
 SURFACE ELEVATION:
 DATE STARTED: 06/21/02
 WL (ft. bgs): DATE: TIME:
 DATE FINISHED: 06/21/02
 WL (ft. bgs): DATE: TIME:
 DRILLING METHOD: 2 in. Geoprobe
 TOTAL DEPTH: 11 feet
 DRILLING COMPANY: Gregg Drilling
 GEOLOGIST: Andrew Smith

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Top soil.	Boring backfilled with neat cement to ground surface. Hand augered to 1 feet bgs.
2		G-22 (3.5)		[Dotted pattern]	SP-SM	SAND WITH SILT (SP-SM) - dark brown (7.5YR 3/3), moist, loose; 90% fine sand, 10% silt.	
4		G-22 (5)		[Dotted pattern]	SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	
8	18	G-22 (7.5)		[Dotted pattern]		Color changes to olive brown (2.5Y 4/3).	
10		G-22 (10)		[Dotted pattern]		Bottom of boring at 11 feet bgs.	
12							

Gettler-Ryan, Inc.

Log of Boring G-23

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145G.ACT1

SURFACE ELEVATION:

DATE STARTED: 06/21/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 06/21/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe

TOTAL DEPTH: 11 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

REMARKS

DEPTH (feet)	PTD (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0						Top soil.	
1.5		G-23 (3.5)			SM	SILTY SAND (SM) - grayish brown (10YR 5/2), moist, loose; 75% fine sand, 25% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 1 feet bgs.
4.5		G-23 (5)			SM	Color changes to dark brown (7.5YR 3/3), becomes medium dense; 70% fine sand, 30% silt.	
7.5		G-23 (7.5)			SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt. Color changes to olive brown (2.5Y 4/3).	
10.5		G-23 (10)			SP	Bottom of boring at 11 feet bgs.	

Gettler-Ryan, Inc.

Log of Boring G-24

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 13 DATE: 01/29/03 TIME: 07:40

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

Gettler-Ryan, Inc.

Log of Boring G-25

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 14.5 DATE: 01/29/03 TIME: 08:10

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

Gettler-Ryan, Inc.

Log of Boring G-26

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 12 DATE: 01/29/03 TIME: 08:25

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

Gettler-Ryan, Inc.

Log of Boring G-27

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 13 DATE: 01/29/03 TIME: 08:30

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

Gettler-Ryan, Inc.

Log of Boring G-28

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.4CT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 13 DATE: 01/29/03 TIME: 09:05

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

Gettler-Ryan, Inc.

Log of Boring G-29

PROJECT: Former Chevron Service Station No. 20-6145

LOCATION: 800 Center Street, Oakland, California

GR PROJECT NO.: DG26145I.ACT1

SURFACE ELEVATION:

DATE STARTED: 01/29/03

WL (ft. bgs): 12.5 DATE: 01/29/03 TIME: 09:45

DATE FINISHED: 01/29/03

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 2 in. Geoprobe - Direct Push

TOTAL DEPTH: 16 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Andrew Smith

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

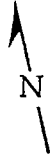
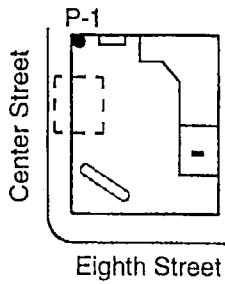
Gettler-Ryan, Inc.

Log of Boring G-30

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

DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
0		G-30 (5)			SP	POORLY GRADED SAND (SP) - strong brown (7.5YR 5/6), moist, medium dense; 95% fine sand, 5% silt.	Boring backfilled with neat cement to ground surface.
3						Trace gravel.	
6	0						
7	71						
9							
10	280	G-30 (10)					
12					SP-SM	POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5YR 5/6), moist, dense; 90% fine to medium sand, 10% silt.	
15	350	G-30 (15)				Color changes to greenish gray (5GY 4/1).	
16						Bottom of boring at 16 feet bgs.	
18							
21							

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. P-1
PAGE 1 OF 1

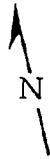
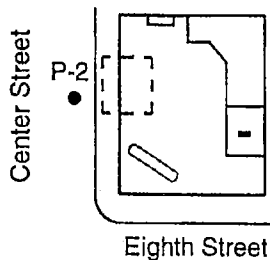
PROJECT NO. 320-162.1A
 LOGGED BY: D.A.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 WELL PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 3-22-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 18'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout		0		2		[SP Pattern]	SP	FILL SAND: dark brown; 10% fines; 90% fine sand; medium dense; no product odor.
		0		4		[SM Pattern]	SM	SILTY SAND: yellowish brown; 10% clay; 35% silt; 55% fine sand; rootlets; no product odor.
		0		6		[SM Pattern]		
				8		[CL Pattern]	CL	SILTY CLAY: dark brown with dark gray staining along rootholes; caliche; 60% clay; 25% silt; 15% fine sand; strong product odor.
		3,722		10		[SM Pattern]	SM	SILTY SAND: dark yellowish brown; 25% silt; 75% fine sand; moderate to strong product odor.
				12		[SM Pattern]		
		1,217		14		[SM Pattern]		
		272		16		[SM Pattern]		@16': as above; faint to moderate product odor.
		0		18		[SM Pattern]		@18': as above; no product odor.
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 18'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. P-2
PAGE 1 OF 1

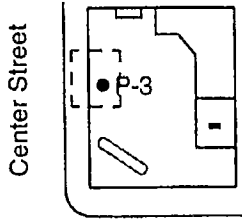
PROJECT NO. 320-162.1A
 LOGGED BY: D.A.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 WELL PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 3-22-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 12'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Mst	0		2			SM	ASPHALT FILL
				4				SILTY SAND: dark brown; 25% silt; 75% fine sand; trace medium sand; no product odor.
	Wt	3,770		6				@6': as above; strong product odor.
				8				@8': 35% silt; 65% fine sand; trace medium sand; moderate product odor.
				10				
	Wt	922		12				@12': as above; 10% clay; 35% silt; 60% fine sand; moderate product odor.
				14				
				16				
				18				
				20				
				22				
				24				
			26					
			28					
			30					
			32					
			34					
			36					
			38					
			40					
			42					
			44					

BOTTOM OF BORING AT 12'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. P-3

PAGE 1 OF 1

PROJECT NO. 320-162.1A

CLIENT: CHEVRON

LOGGED BY: D.A.

DATE DRILLED: 3-22-96

DRILLER: VIRONEX

LOCATION: 800 Center Street

DRILLING METHOD: GEOPROBE

HOLE DIAMETER: 2"

SAMPLING METHOD: GEOPROBE

HOLE DEPTH: 20'

CASING TYPE: NA

WELL DIAMETER: NA

SLOT SIZE: NA

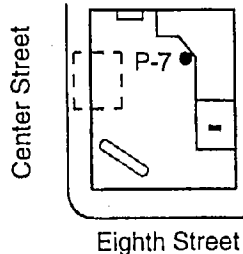
WELL DEPTH: NA

WELL PACK: NA

CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Mst	0		2			SM	TANK BACKFILL: natural material.
				4				SILTY SAND - FILL: no product odor.
	Wt-Sat	3,217		6				@6': as above; moderate product odor.
				8				@8': as above; strong product odor.
	Wt	2,375		10			SM	SILTY SAND: dark olive gray; 30% silt; 70% fine sand; hydrocarbon staining; strong product odor.
			12					
				14			SC	CLAYEY SAND: light brown; 30% clay; trace silt; 70% fine sand; saturated rootholes; moderate product odor.
	Mst	1,087		16				
		527		18				
	Mst	0		20				@19': as above; no product odor.
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				
								BOTTOM OF BORING AT 20'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. P-7
PAGE 1 OF 1

PROJECT NO. 320-162.1A
 LOGGED BY: D.A.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 WELL PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 3-22-96
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 16'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Mst	32		2			SM	TANK BACKFILL: natural material.
				4				SILTY SAND: reddish brown; iron oxide staining; trace clay; 25% silt; 75% fine sand; trace medium sand; massive; no to faint product odor.
				6				@6': as above; faint product odor.
	Wt	157		8				
				10				@10': 35% silt; 65% fine to very fine sand; moderate product odor.
	Wt	1,127		12				
				14				@14': as above; moderate product odor.
	Sat	971		16				@16': 10% clay; 25% silt; 65% fine sand; trace medium sand; moderate product odor.
				18				
				20				
				22				
				24				
				26				
				28				
				30				
				32				
				34				
				36				
				38				
				40				
				42				
				44				

BOTTOM OF BORING AT 16'



GROUNDWATER
TECHNOLOGY

Drilling Log

Soil Boring SB-1

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/17/95
 Surface Elev. -- ft. Total Hole Depth 11.5 ft. Diameter 6.25 in.
 Top of Casing -- ft. Water Level Initial 10.0 ft. Static -- ft.
 Screen: Dia -- in. Length -- ft. Type/Size -- in.
 Casing: Dia -- in. Length -- ft. Type --
 Filter Pack Material Neat cement Rig/Core Type CME 55/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Tim Dunn Log By Terry James
 Checked By E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
					Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					Thin Asphalt
2			Fill		Silty SAND with rubbish, brick fragments
4					
6	406	SB1/5 2 4 9	SM		Clayey, silty, very fine SAND (10,30,60): olive, damp, loose, strong hydrocarbon odor.
8					
10	781	SB1/10 7 16 21	SW		Fine SAND: red-brown, wet, loose, strong hydrocarbon odor. Groundwater encountered during drilling
12					End of boring.
14					(All percentages are approximate.)
16					
18					
20					
22					
24					



GROUNDWATER
TECHNOLOGY

Drilling Log

Soil Boring SB-2

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/17/95
 Surface Elev. _____ Total Hole Depth 11.5 ft. Diameter 6.25 in.
 Top of Casing _____ Water Level Initial 10.0 ft. Static -- ft.
 Screen: Dia -- in. Length -- ft. Type/Size -- in.
 Casing: Dia -- in. Length -- ft. Type --
 Filter Pack Material Neat cement Rig/Core Type CME 55/Splitspoon
 Drilling Company Bay Area Explor. Method Hollow Stem Auger Permit # 65664
 Driller Tim Dunn Log By Terry James
 Checked By E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					Thin Asphalt
2					
4					
6	641	SB2/5 8 15 16		SM	Clayey, silty, very fine SAND (10,30,60): mottled yellow-brown/ green-gray, dry, medium dense, strong hydrocarbon odor, trace root stems.
8					
10	800	SB2/10 8 15 21		SW	Groundwater encountered during drilling Fine SAND: brown, wet, loose, strong hydrocarbon odor.
12					End of boring.
14					(All percentages are approximate.)
16					
18					
20					
22					
24					



GROUNDWATER
TECHNOLOGY

Drilling Log

Soil Boring SB-3

Project Signal S0800 Owner CHV/USA
 Location 800 Center St. Project No. 020200105 Date drilled 10/18/95
 Surface Elev. _____ Total Hole Depth 10.5 ft. Diameter 4.25 in.
 Top of Casing _____ Water Level Initial -- ft. Static -- ft.
 Screen: Dia -- in. Length -- ft. Type/Size -- in.
 Casing: Dia -- in. Length -- ft. Type --
 Filter Pack Material Neat cement Rig/Core Type Hand Auger/ Impact Sampler
 Drilling Company GTI Method Hand Auger Permit # 65664
 Driller Terry James Log By Terry James
 Checked By E K Simonis License No. R.G. 4422

See Site Map
For Boring Location

COMMENTS:

Depth (ft.)	PID (ppm)	Sample ID Blow Count/ % Recovery	Graphic Log	USCS Class.	Description
					(Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					Thin Asphalt
2				SM	Silty, very fine SAND (40,60), light brown, dry, no hydrocarbon odor.
4				SM	
6	3	SB3/5		SM	
8				SW	Fine SAND: brown, moist, loose, faint hydrocarbon odor.
10	17	SB3/10			End of boring.
12					(All percentages are approximate.)
14					
16					
18					
20					
22					
24					

LOG OF TEST BORING 1

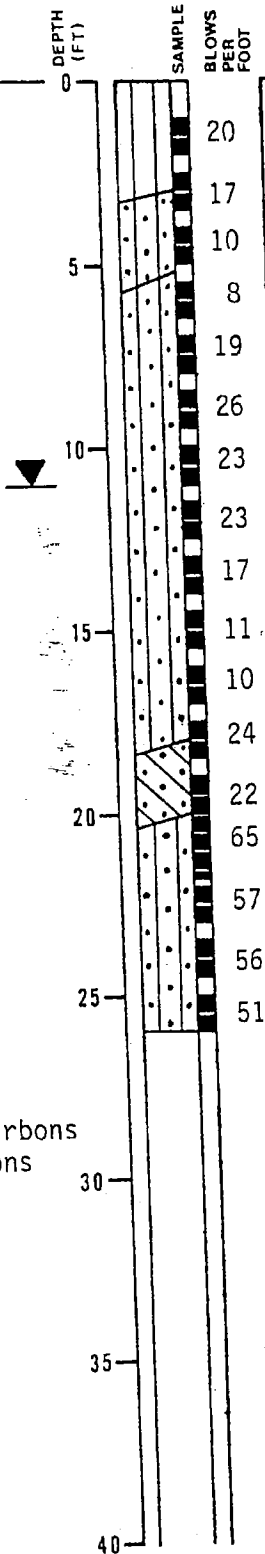
EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 8/18/89

ELEVATION --

LABORATORY TESTS

TVH (ppm)	TEH (ppm)	OVA (ppm)
		0
		16
		95
		OR
		OR
2100	6800	OR
		OR
2400	NT	OR
		OR
		OR
		423
		336
		43
		36



BROWN CLAYEY SILTY (ML)
stiff, dry, contains metal
fragments

BROWN SILTY SAND (SM)
loose, moist (fill)

GRAY-GREEN SILTY SAND (SM)
medium dense, moist

GROUNDWATER LEVEL DURING DRILLING
becomes clayey

BROWN CLAYEY SAND (SC)
medium dense, wet

BROWN SILTY SAND (SM)
dense, wet

TEH = Total Extractable Hydrocarbons
TVH = Total Volatile Hydrocarbons
TOG = Total Oil and Grease
NT = Not Tested
ND = Not Detected
OVA = Organic Vapor Analyzer
OR = Over Range (> 2000 ppm)

SAMPLER TYPE:
CALIFORNIA DRIVE
O.D.: 2.5 inches
I.D.: 2.0 inches

HAMMER WEIGHT: 140 pounds
HAMMER DROP: 30 inches

Subsurface Consultants

CENTER STREET, OAKLAND, CA

JOB NUMBER
272.012

DATE
9/18/89

APPROVED

PLATE

2

LOG OF TEST BORING 2

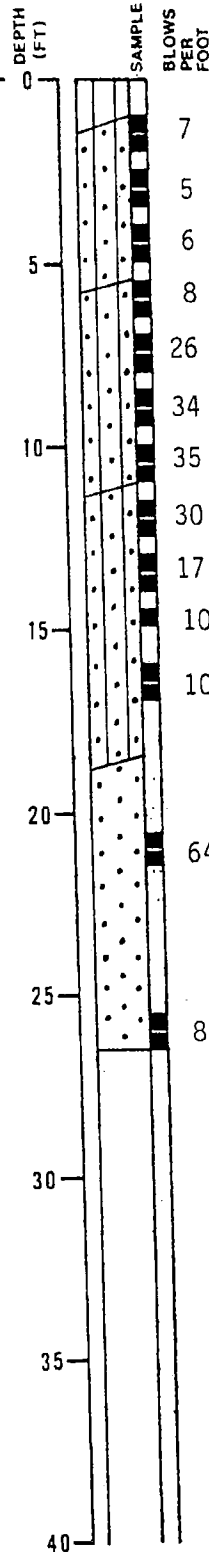
EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 8/18/89

ELEVATION --

LABORATORY TESTS

TVH (ppm)	TEH (ppm)	OVA (ppm)
		45
		700
		500
4100	14000	OR
		OR
31000	NT	OR
		OR
		OR
		400
		310
		43



BROWN CLAYEY SILT (ML)
medium stiff, dry, contains brick
fragments (fill)

DARK BROWN SILTY SAND (SM)
loose, moist, (fill)

GRAY-GREEN SILTY SAND (SM)
medium dense, moist (fill)

BROWN SILTY SAND (SM)
medium dense, wet

thin layer of black oily material
at 16 feet

BROWN GRAY SAND (SP)
dense, wet

Subsurface Consultants

CENTER STREET, OAKLAND, CA

JOB NUMBER
272.012

DATE
9/18/89

APPROVED

PLATE

3

LOG OF TEST BORING 3

EQUIPMENT 8" Hollow Stem Auger

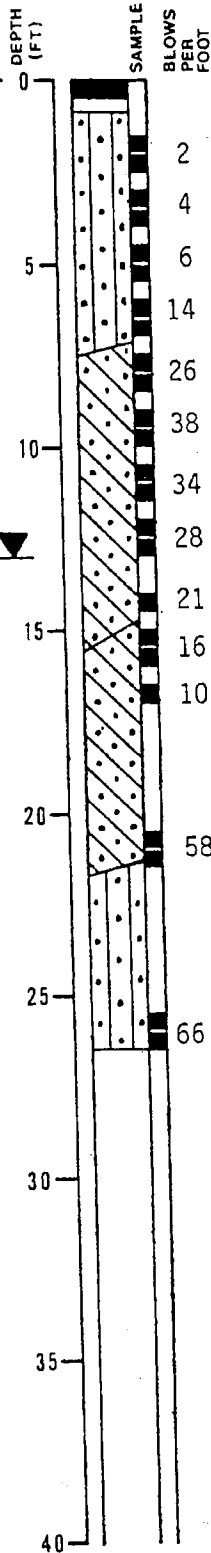
DATE DRILLED 8/18/89

ELEVATION --

LABORATORY TESTS

TVH (ppm)	TEH (ppm)	TOG (ppm)	OVA (ppm)
--------------	--------------	--------------	--------------

		ND	7.2
			3.5
			350
			250
			OR
100	ND		OR
950	220		OR
			OR
			54
			47
			0



CONCRETE - 6" thick
BRICK
BROWN SILTY SAND (SM)
loose, moist, brick and concrete
fragments (fill)

REDDISH-BROWN CLAYEY SAND (SC)
medium dense, moist

GROUNDWATER LEVEL ENCOUNTERED
DURING DRILLING 8/18/89

BROWN CLAYEY SAND (SC)
medium dense, wet

BROWN SILTY SAND (SM)
dense, wet

Subsurface Consultants

CENTER STREET, OAKLAND, CA

JOB NUMBER
272.012

DATE
9/18/89

APPROVED

PLATE

4

LOG OF TEST BORING 4

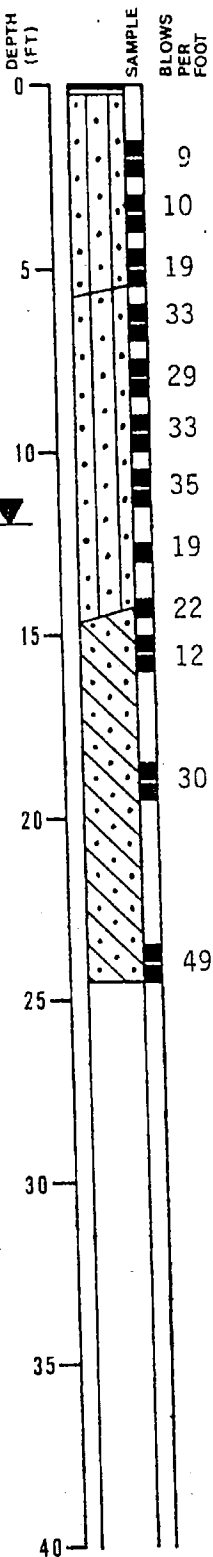
EQUIPMENT 8" Hollow Stem Auger

DATE DRILLED 8/18/89

ELEVATION --

LABORATORY TESTS

TVH (ppm)	TEH (ppm)	OVA (ppm)
		14
		750
5400	5100	43
		OR
		OR
		OR
5800	NT	OR
		OR
		OR
		420
		65



ASPHALT - 2" thick
 BASE ROCK - 1" thick
 BROWN SILTY SAND (SM)
 loose, moist (fill)
 9
 10
 19
 REDDISH BROWN SILTY SAND (SM)
 medium dense, moist
 33
 29
 free product noted
 33
 35
 GROUNDWATER LEVEL ENCOUNTERED
 DURING DRILLING 8/18/89
 19
 22
 RED BROWN CLAYEY SAND (SC)
 medium dense, wet
 12
 30
 49

Subsurface Consultants

CENTER STREET, OAKLAND, CA

PLATE

JOB NUMBER

DATE

APPROVED

272.012

9/18/89

5

LOG OF TEST BORING 5

EQUIPMENT Hand Sampler

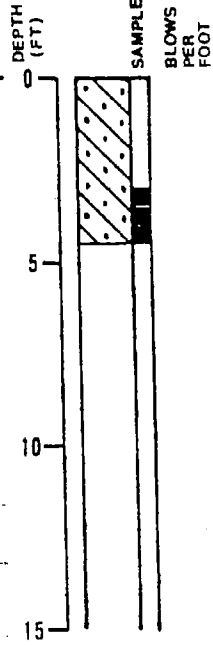
DATE DRILLED 8/18/89

ELEVATION --

LABORATORY TESTS

TOG
(ppm)

16000



DARK CLAYEY SAND (SC)
medium dense, moist

Subsurface Consultants

CENTER STREET, OAKLAND, CA

JOB NUMBER
272.012

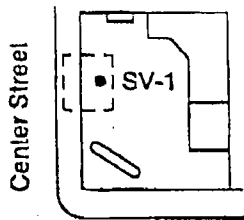
DATE

APPROVED
[Signature]

PLATE

6

LOCATION MAP



8th Street

PACIFIC ENVIRONMENTAL GROUP, INC.

BORING NO. SV-1
PAGE 1 OF 1

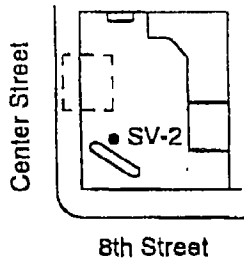
PROJECT NO. 320-162.1C
 LOGGED BY: T.F.B.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 SAND PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 5-30-97
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 12'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
Backfilled With Grout	Dry	20		1		[Solid black bar]	SM	ASPHALT; TANK BACKFILL SILTY SAND: dark brown; 35% fines; 65% fine sand; faint product odor.	
				2		[Solid black bar]			
				3		[Solid black bar]			
		Mst		high	4		[Solid black bar]		
	5					[Solid black bar]			
	6					[Solid black bar]			
		Wt		high	7		[Solid black bar]		
	8					[Hatched bar]	CL	SANDY CLAY: dark brown; 70% fines; 30% fine sand; strong product odor.	
	9					[Solid black bar]	SM	SILTY SAND: dark brown; 30% fines; 70% fine sand; strong product odor.	
					10		[Solid black bar]		
					11		[Solid black bar]		
					12		[Solid black bar]		@ 12': dark brown.
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						
			21						
			22						

BOTTOM OF BORING AT 12'

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

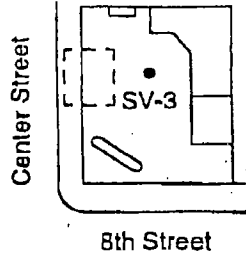
BORING NO. SV-2
PAGE 1 OF 1

PROJECT NO. 320-162.1C
 LOGGED BY: T.F.B.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 SAND PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 5-30-97
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 10.5'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Dry	50		1			ML	ASPHALT SANDY SILT: dark brown; 65% fines; 35% fine sand; faint product odor. @6': as above; gray mottling; moderate product odor. @9': as above; some gray and yellow mottling; strong product odor. BOTTOM OF BORING AT 10.5'
				2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

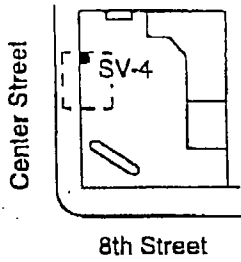
BORING NO. SV-3
PAGE 1 OF 1

PROJECT NO. 320-162.1C
 LOGGED BY: T.F.B.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 SAND PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 5-30-97
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 10'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
Backfilled With Grout	Dry	10		1		[Solid black bar]	SM	ASPHALT SILTY SAND: dark brown; 35% fines; 65% fine sand; faint product odor.
				2		[Solid black bar]		
				3		[Solid black bar]		
				4		[Solid black bar]		
				5		[Solid black bar]		
	Wt			6		[Solid black bar]		@6': as above; dark brown; 40% fines; 60% fine sand.
				7		[Solid black bar]		
				8		[Solid black bar]		
	Wt			9		[Solid black bar]		@9': as above; dark brown; 45% fines; 55% fine sand; strong product odor.
				10		[Solid black bar]		
				11				BOTTOM OF BORING AT 10'
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

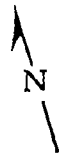
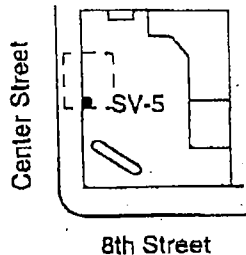
BORING NO. SV-4
PAGE 1 OF 1

PROJECT NO. 320-162.1C
 LOGGED BY: T.F.B.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 SAND PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 5-30-97
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 9.5'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS			
Backfilled With Grout	Dry	30		1			SM	ASPHALT; TANK BACKFILL SILTY SAND: dark brown; 30% fines; 70% fine sand; faint product odor.			
				2							
				3					@6': as above; dark brown; 30% fines; 70% fine sand; moderate product odor.		
	4										
	5	Mst		High	6						@9': as above; 35% fines; 65% fine sand; strong product odor.
	7										
	8										
	9	Wt		High	9						BOTTOM OF BORING AT 9.5'
	10										
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										
	21										
	22										

LOCATION MAP



PACIFIC ENVIRONMENTAL GROUP, INC.

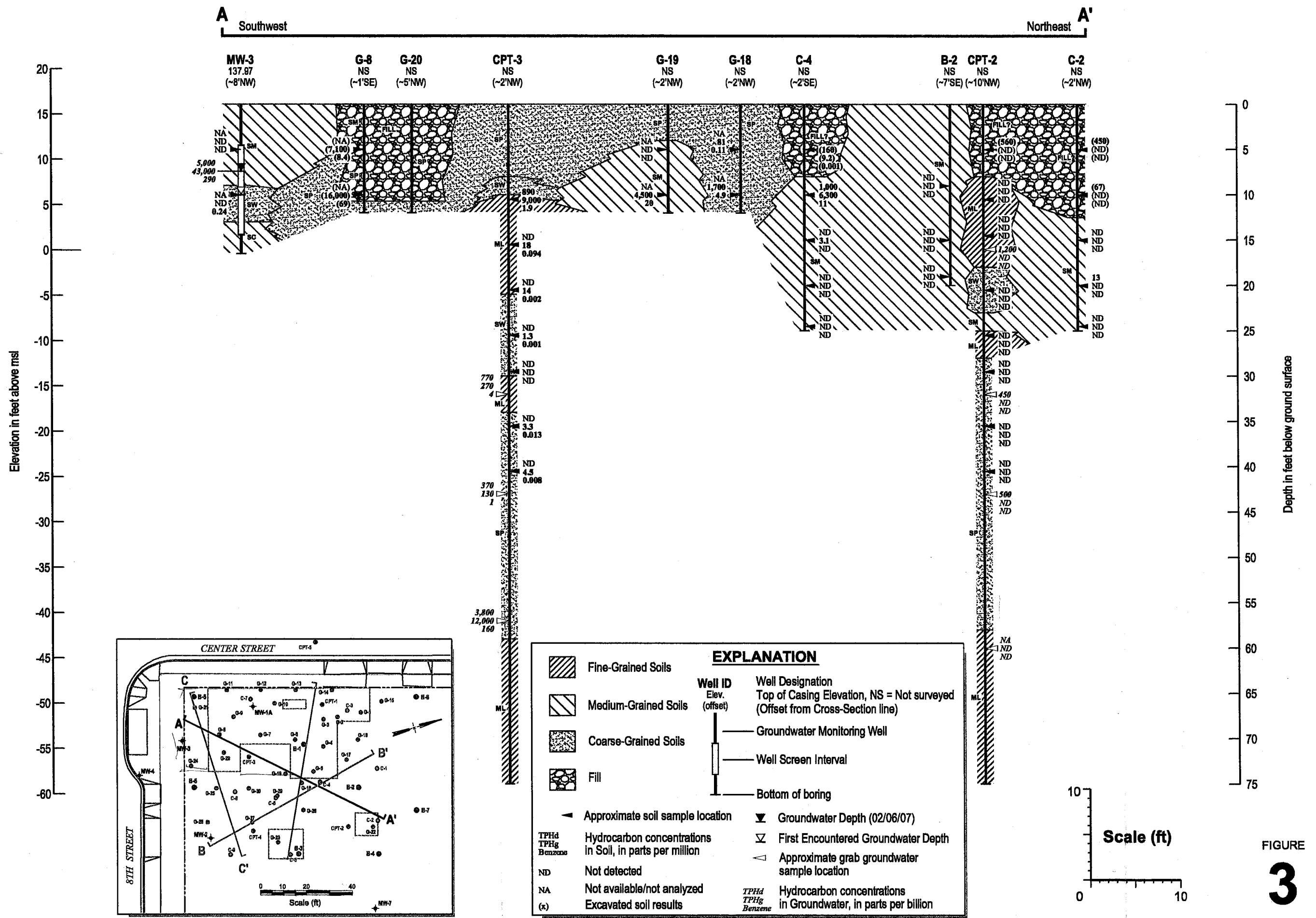
BORING NO. SV-5
PAGE 1 OF 1

PROJECT NO. 320-162.1C
 LOGGED BY: T.F.B.
 DRILLER: VIRONEX
 DRILLING METHOD: GEOPROBE
 SAMPLING METHOD: GEOPROBE
 CASING TYPE: NA
 SLOT SIZE: NA
 SAND PACK: NA

CLIENT: CHEVRON
 DATE DRILLED: 5-30-97
 LOCATION: 800 Center Street
 HOLE DIAMETER: 2"
 HOLE DEPTH: 9.5'
 WELL DIAMETER: NA
 WELL DEPTH: NA
 CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	FID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
Backfilled With Grout				1			ML	ASPHALT SANDY SILT: dark brown; 65% fines; 35% fine sand; slight product odor. @6': as above; 70% fines; 30% fine sand; strong product odor. @9': as above; strong product odor. BOTTOM OF BORING AT 9.5'	
				2					
		Dp	40		3				
					4				
		Wt	High		5				
					6				
					7				
					8				
		Wt	High		9				
					10				
					11				
					12				
					13				
					14				
					15				
					16				
					17				
					18				
					19				
					20				
					21				
					22				

ATTACHMENT H
Cross Sections



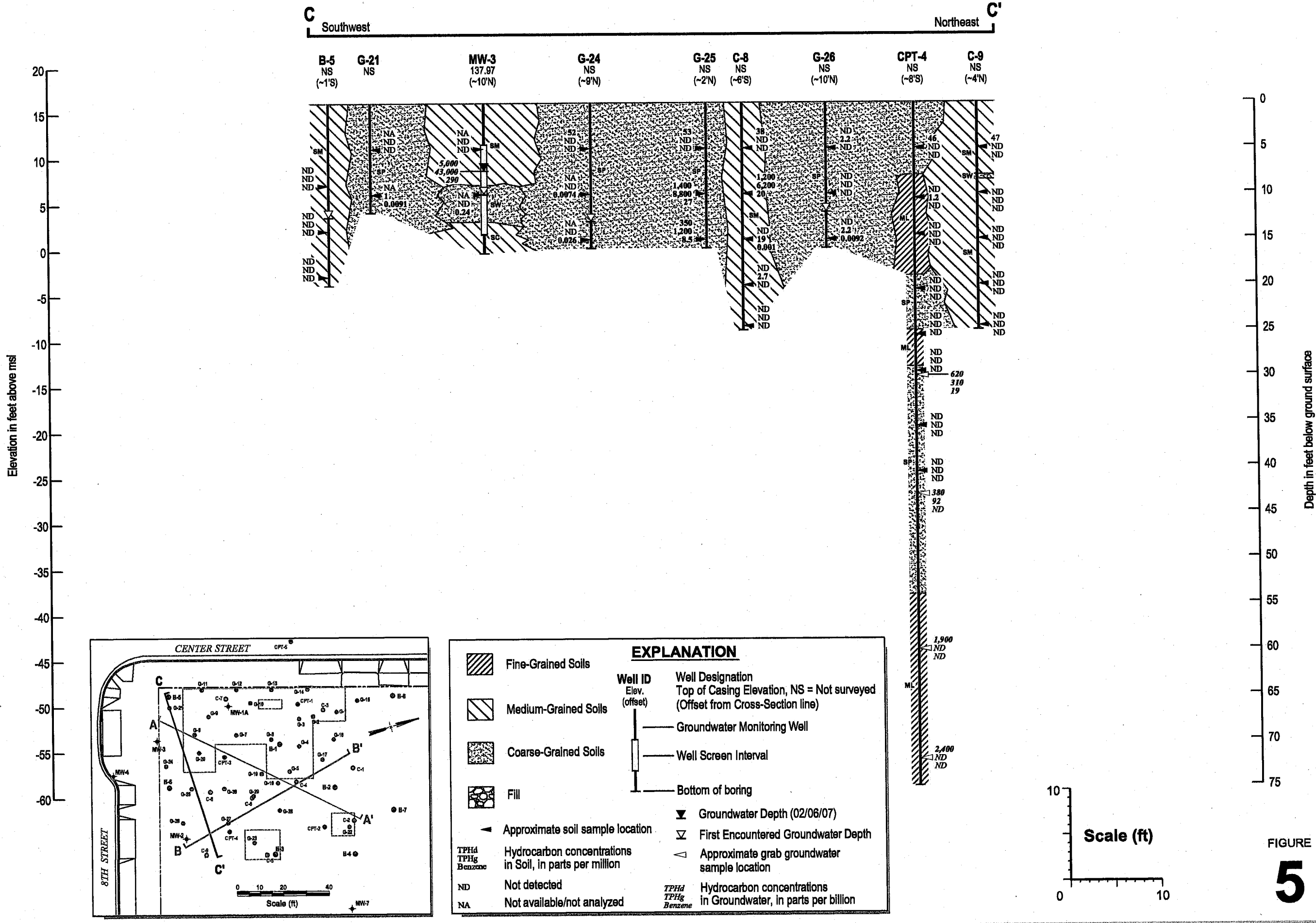
Geologic Cross Section A-A'



CAMBRIA

Former Chevron Station 20-6145

800 Center Street
Oakland, California



H20-1645 OAKLAND/FIGURE CROSS-SECTION 20-6145 X-SECT C-C' DWG

Geologic Cross Section C-C'



C A M B R I A

Former Chevron Station 20-6145

800 Center Street
Oakland, California

FIGURE
5

ATTACHMENT I

Hydrocarbon Distribution in Soil

Table 1a. Estimated TPHg Mass Remaining in Soil - Former Chevron Station 206145, 800 Center Street, Oakland, California

Depth Range		0 - 7 ft	0 - 7 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	11 - 17 ft	11 - 17 ft
A = Area of impacted soil	square feet	30	68	330	136	957	820	4,022	2,108	1,084
T = Thickness of impacted soil	feet	7	7	4	4	4	4	4	6	6
V _{soil} = Volume of impacted soil	cubic yard	8	18	49	20	142	121	596	468	241
BD = Bulk density of soil (estimated)	kg/cubic yard	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163
SM = Total mass of impacted soil	kg	9,049	20,511	56,878	23,441	164,948	141,334	693,228	544,999	280,256
CON = Concentration in soil (average)	mg/kg soil	1,950	500	7,500	8,500	5,000	5,000	500	5,000	500
M = Mass in Soil	mg	1.76E+07	1.03E+07	4.27E+08	1.99E+08	8.25E+08	7.07E+08	3.47E+08	2.72E+09	1.40E+08
	kg	17.65	10.26	426.59	199.25	824.74	706.67	346.61	2725.00	140.13
	pounds	38.82	22.56	938.49	438.34	1814.42	1554.68	762.55	5994.99	308.28
V = Total volume in soil	liters	23.84	13.86	576.47	269.25	1114.51	954.96	468.40	3682.43	189.36
	gallons	6.30	3.66	152.29	71.13	294.42	252.28	123.74	972.80	50.02
Equations Used		Notes:								
V _{soil} = A * T/27		1. Based on an estimated dry soil density of 95 lb/cf.								
SM = BD * V _{soil}		2. Based on an estimated average concentration per contour interval.								
CON = 1/2 highest concentration contour or 1/2 max. conc.										
M = CON * SM										
V = Density * M		Hydrocarbon Density (kg/liter): 0.74								
									TOTAL POUNDS	11,873
									TOTAL GALLONS	1,927

Table 1b. Estimated Benzene Mass Remaining in Soil - Former Chevron Station 206145, 800 Center Street, Oakland, California

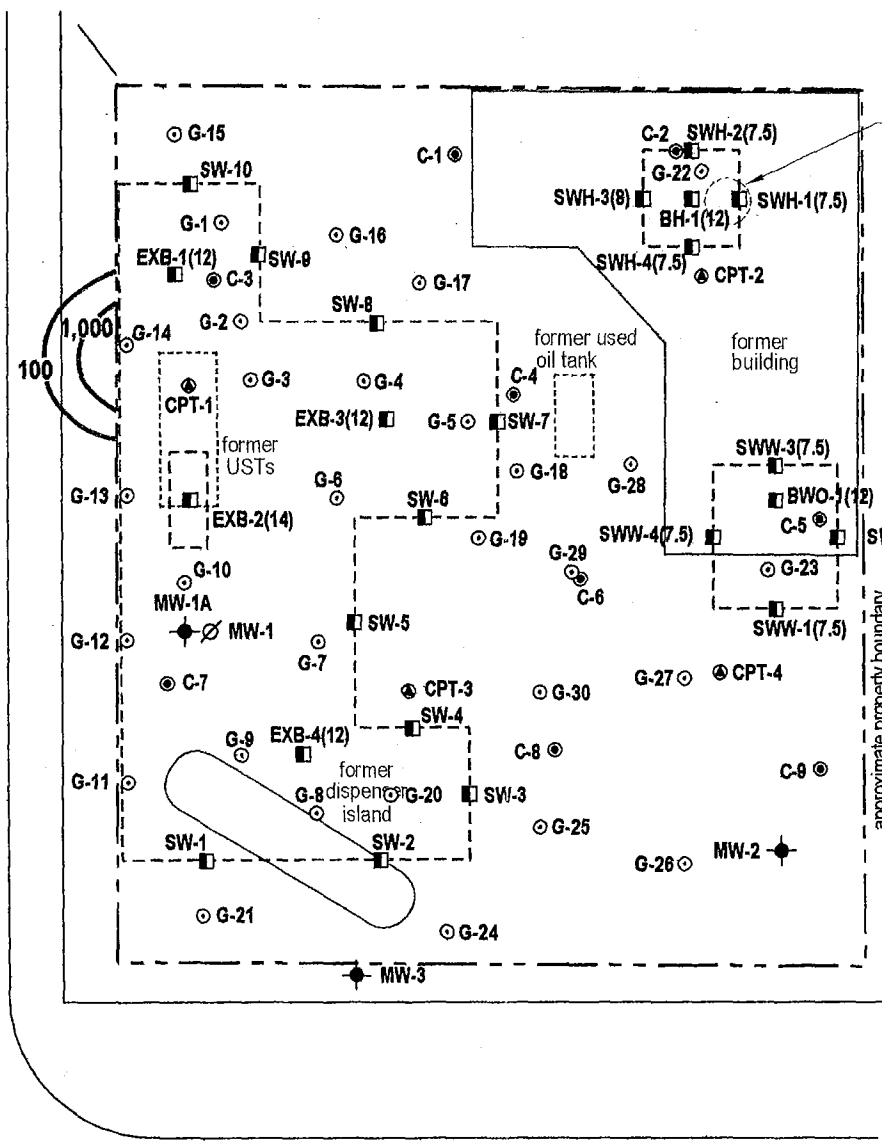
Depth Range		0 - 7 ft	0 - 7 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	7 - 11 ft	11 - 17 ft	11 - 17 ft	11 - 17 ft	11 - 17 ft
A = Area of impacted soil	square feet	10	129	42	1,860	1,210	726	887	301	1,123	905	1,111	
T = Thickness of impacted soil	feet	7	7	4	4	4	4	4	6	6	6	6	
V _{soil} = Volume of impacted soil	cubic yard	3	33	6	276	179	108	131	67	250	201	247	
BD = Bulk density of soil (estimated)	kg/cubic yard	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	
SM = Total mass of impacted soil	kg	3,016	38,910	7,239	320,588	208,554	125,133	152,882	77,820	290,339	233,977	287,236	
CON = Concentration in soil (average)	mg/kg soil	0.055	0.050	85	46	5	0.5	0.05	29	5	0.5	0.05	
M = Mass in Soil	mg	1.66E+02	1.95E+03	6.15E+05	1.47E+07	1.04E+06	6.26E+04	7.64E+03	2.26E+06	1.45E+06	1.17E+05	1.44E+04	
	kg	0.00	0.00	0.62	14.75	1.04	0.06	0.01	2.26	1.45	0.12	0.01	
	pounds	0.00	0.00	1.35	32.44	2.29	0.14	0.02	4.96	3.19	0.26	0.03	
V = Total volume in soil	liters	0.00	0.00	0.70	16.76	1.18	0.07	0.01	2.56	1.65	0.13	0.02	
	gallons	0.00	0.00	0.18	4.43	0.31	0.02	0.00	0.68	0.44	0.04	0.00	
Equations Used		Notes:											
V _{soil} = A * T/27		1. Based on an estimated dry soil density of 95 lb/cf.											
SM = BD * V _{soil}		2. Based on an estimated average concentration per contour interval.											
CON = 1/2 highest concentration contour or 1/2 max. conc.													
M = CON * SM													
V = Density * M		Hydrocarbon Density (kg/liter): 0.88											
											TOTAL POUNDS	44.7	
											TOTAL GALLONS	6.1	

TPH-g Concentrations 0-7 fbg

Boring	Depth	TPH-g In mg/kg
C-1	5	2.8
C-2	5	<1.0
C-3	---	---
C-4	5	9.2
C-5	5	1
C-6	---	---
C-7	---	---
C-8	5	<1.0
C-9	5	<4.0
CPT-1	---	---
CPT-2	5	<4.0
CPT-3	---	---
CPT-4	5	<1.0
CPT-5	5	1.5
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	5	3000
G-2	5	2700
G-3	5	<1.0
G-4	5	<1.0
G-5	5	7.1
G-6	5	<1.0
G-7	5	<1.0
G-8	5	7100
G-9	5	3700
G-10	5	<1.0
G-11	5	<1.0
G-12	5	<1.0
G-13	5	<1.0
G-14	5	3900
G-15	5	<1.0
G-16	5	<1.0
G-17	5	35
G-18	5	81
G-19	5	<1.0
G-21	5	<1.0
G-24	5	<1.0
G-25	5	<1.0
G-26	5	2.2
G-27	5	<1.0
G-28	5	<1.0
G-29	5	<1.0
G-30	5	7.1
MW-1A	---	---
MW-2	5	<1.0
MW-3	5	<1.0
MW-4	5	<1.0
MW-5	5	<1.0
MW-6	5	<1.0
MW-7	5	<1.0
MW-8	5	<1.0
SW-1	5	<1.0
SW-10	5	<1.0
SW-2	5	<1.0
SW-3	5	<1.0
SW-4	5	<1.0
SW-5	5	<1.0
SW-6	5	4.1
SW-7	5	<1.0
SW-8	5	<1.0
SW-9	5	<1.0

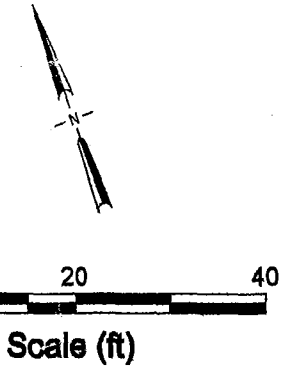
CENTER STREET

8TH STREET



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 100 --- TPHG concentration contour line dashed where inferred, in parts per million (ppm)



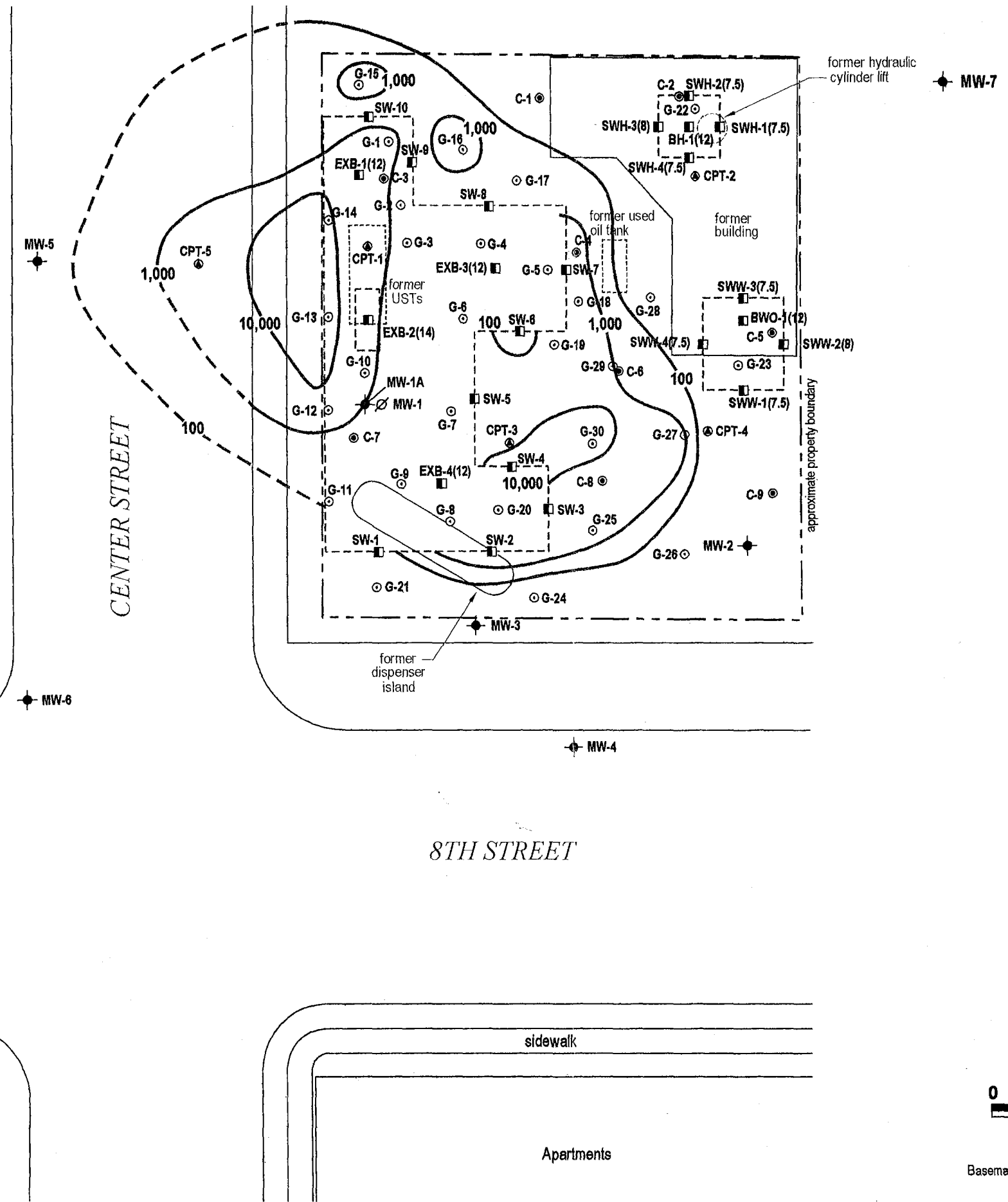
Basemap modified from drawing provided by Gettler-Ryan

FIGURE 3

1208145 OAKLANDREGIS200445_TPHG_07.DWG

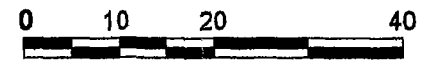
TPHG Concentrations 7-11 ftg

Boring	Depth	TPHG in mg/kg
C-1	10	<1.0
C-2	10	<1.0
C-3	10	4,800
C-4	10	6,300
C-5	10	2.3
C-6	10	880
C-7	10	<1.0
C-8	10	6,200
C-9	10	<1.0
CPT-1	10.5	5,300
CPT-2	10.5	<1.0
CPT-3	10.5	9,000
CPT-4	10.5	1.2
CPT-5	9.5	7,200
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	10	12000
G-2	10	3800
G-3	10	7700
G-4	10	3300
G-5	10	45
G-6	10	6300
G-7	10	7300
G-8	10	16000
G-9	10	19000
G-10	10	2100
G-11	10	100
G-12	10	9000
G-13	10	12000
G-14	10	14000
G-15	10	5800
G-16	10	2100
G-17	10	420
G-18	10	1700
G-19	10	4500
G-21	10	1
G-24	10	<1.0
G-25	10	8800
G-26	10	<1.0
G-27	10	5500
G-28	10	16
G-29	10	5200
G-30	10	16000
MW-1A	---	---
MW-2	10	<1.0
MW-3	10	<1.0
MW-4	10	<1.0
MW-5	10	<1.0
MW-6	10	<1.0
MW-7	10	<1.0
MW-8	10	<1.0
SW-1	10	<1.0
SW-10	10	570
SW-2	10	2800
SW-3	10	7300
SW-4	10	18000
SW-5	10	<1.0
SW-6	10	3900
SW-7	10	4800
SW-8	10	<1.0
SW-9	10	<1.0



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ✦ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 100 ——— TPHG concentration contour line dashed where inferred, in parts per million (ppm)



Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan

FIGURE

4

TPHG Concentrations in Soil
7 to 11 Feet Below Grade

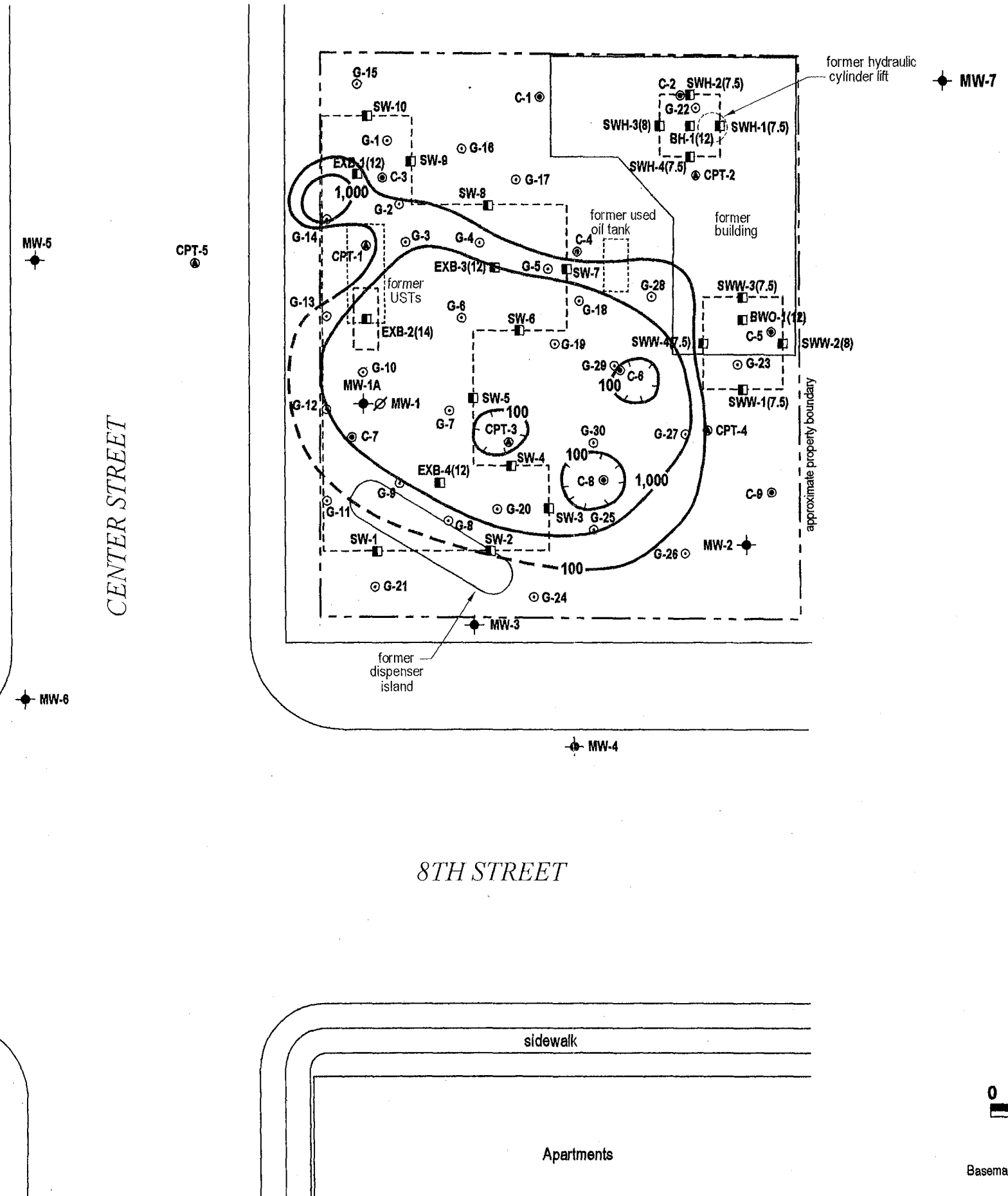


Chevron Service Station 206145
800 Center Street
Oakland, California

E:\206145 OAKLAND\FIGURES\05-0816_TPHG_7-11.DWG

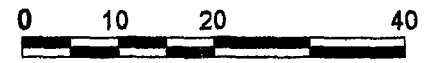
TPH-g Concentrations 11-17 fbg

Boring	Depth	TPH-g in mg/kg
C-1	15	<1.0
C-2	15	<1.0
C-3	15	9.7
C-4	15	3.1
C-5	15	<1.0
C-6	15	27
C-7	15	1,100
C-8	15	19
C-9	15	<1.0
CPT-1	14.5	2
CPT-2	14.5	<1.0
CPT-3	15.5	18
CPT-4	14.5	<1.0
CPT-5	15.5	140
EXB-1	12	4000
EXB-2	14	1900
EXB-3	12	3400
EXB-4	12	6900
G-1	...	...
G-2	...	...
G-3	...	...
G-4	...	...
G-5	...	...
G-6	...	...
G-7	...	...
G-8	...	...
G-9	...	...
G-10	...	...
G-11	...	...
G-12	...	...
G-13	...	...
G-14	...	...
G-15	...	...
G-16	...	...
G-17	...	...
G-18	...	...
G-19	...	...
G-20	...	...
G-21	...	...
G-22	...	...
G-23	...	...
G-24	...	...
G-25	...	...
G-26	...	...
G-27	15	10000
G-28	15	620
G-29	15	4800
G-30	15	3500
MW-1A	16	<1.0
MW-2	...	...
MW-3	...	...
MW-4	...	...
MW-5	15	<1.0
MW-6	15	<1.0
MW-7	15	<1.0
MW-8	15	<1.0
SW-1	...	...
SW-10	...	...
SW-2	...	...
SW-3	...	...
SW-4	...	...
SW-5	...	...
SW-6	...	...
SW-7	...	...
SW-8	...	...
SW-9	...	...



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 100 ——— TPHG concentration contour line dashed where inferred, in parts per million (ppm)



Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan

FIGURE

5

1106145 OAKLANDFIGURES02-06-TPHG_11-17.DWG

TPHG Concentrations in Soil
11 to 17 Feet Below Grade



Chevron Service Station 206145
800 Center Street
Oakland, California

TPH-g Concentrations 22-27 fbg

Boring	Depth	TPH-g in mg/kg
C-1	24.5	<1.0
C-2	24.5	<1.0
C-3	24.5	<1.0
C-4	24.5	<1.0
C-5	24.5	<1.0
C-6	24.5	<1.0
C-7	24.5	<1.0
C-8	24.5	<1.0
C-9	24.5	<1.0
CPT-1	25.5	<1.0
CPT-2	25.5	<1.0
CPT-3	25.5	1.3
CPT-4	25.5	<1.0
CPT-5	25.5	7.6
EXB-1	...	...
EXB-2	...	...
EXB-3	...	...
EXB-4	...	...
G-1	...	...
G-2	...	...
G-3	...	...
G-4	...	...
G-5	...	...
G-6	...	...
G-7	...	...
G-8	...	...
G-9	...	...
G-10	...	...
G-11	...	...
G-12	...	...
G-13	...	...
G-14	...	...
G-15	...	...
G-16	...	...
G-17	...	...
G-18	...	...
G-19	...	...
G-27	...	...
G-28	...	...
G-29	...	...
G-30	...	...
MW-1A	...	...
MW-2	...	...
MW-3	...	...
MW-4	...	...
MW-5	...	...
MW-6	...	...
MW-7	...	...
MW-8	...	...
SW-1	...	...
SW-10	...	...
SW-2	...	...
SW-3	...	...
SW-4	...	...
SW-5	...	...
SW-6	...	...
SW-7	...	...
SW-8	...	...
SW-9	...	...

MW-5

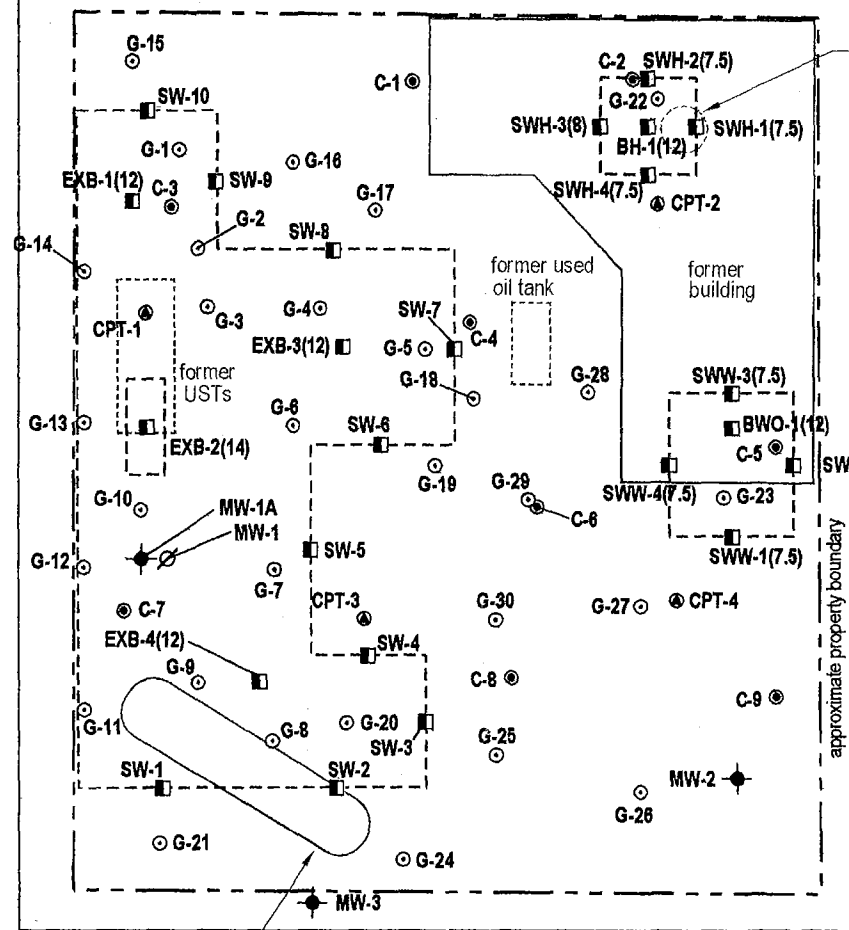
CPT-5

CENTER STREET

MW-6

MW-8

Church



MW-7

approximate property boundary

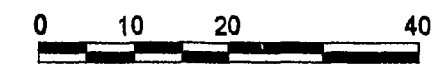
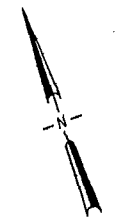
8TH STREET

sidewalk

Apartments

EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ◆ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation



Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan

FIGURE

7

TPHg Concentrations in Soil



Chevron Service Station 206145

800 Center Street
Oakland, California

22 to 27 Feet Below Grade

Benzene Concentrations 0-7 fbg

Boring	Depth	Benzene in mg/kg
C-1	5	<0.0005
C-2	5	<0.0005
C-3	---	---
C-4	5	0.001
C-5	5	<0.0005
C-6	---	---
C-7	---	---
C-8	5	<0.0005
C-9	5	<0.0005
CPT-1	--	---
CPT-2	5	<0.0005
CPT-3	--	---
CPT-4	5	<0.0005
CPT-5	5	<0.0005
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	5	0.95
G-2	5	2.8
G-3	5	0.0059
G-4	5	<0.0050
G-5	5	<0.0050
G-6	5	<0.0050
G-7	5	0.0057
G-8	5	8.4
G-9	5	1.9
G-10	5	0.014
G-11	5	<0.0050
G-12	5	<0.0050
G-13	5	<0.0050
G-14	5	<20
G-15	5	<0.0050
G-16	5	<0.0050
G-17	5	0.082
G-18	5	0.11
G-19	5	<0.0050
G-27	5	<0.0050
G-28	5	0.0054
G-29	5	<0.0050
G-30	5	0.014
MW-1A	---	---
MW-2	5	<0.0050
MW-3	5	<0.0050
MW-4	5	<0.0050
MW-5	5	<0.0050
MW-6	5	<0.0050
MW-7	5	<0.0050
MW-8	5	<0.0050
SW-1	5	<0.0050
SW-10	5	<0.0050
SW-2	5	<0.0050
SW-3	5	<0.0050
SW-4	5	<0.0050
SW-5	5	0.0072
SW-6	5	0.0084
SW-7	5	<0.0050
SW-8	5	<0.0050
SW-9	5	<0.0050

MW-5

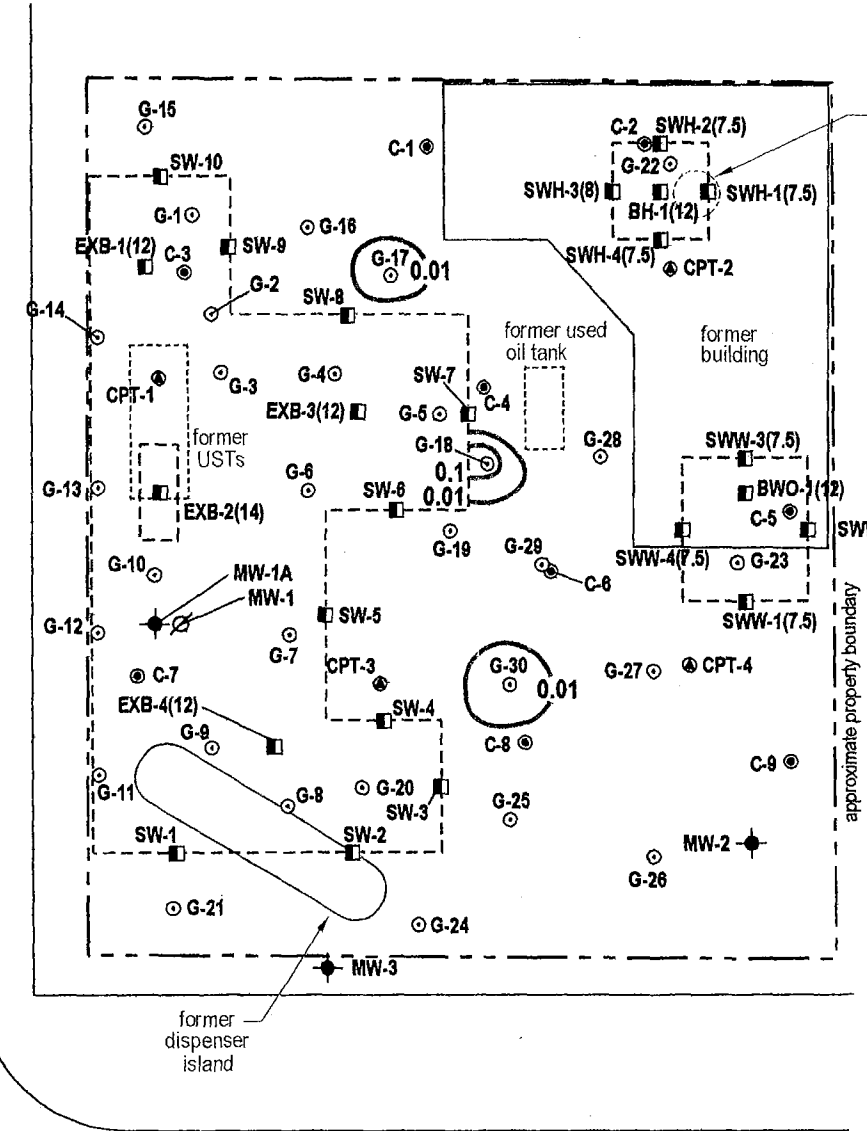
MW-6

MW-8

Church

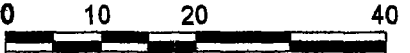
CENTER STREET

8TH STREET



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 0.1 Benzene concentration contour line dashed where inferred, in parts per million (ppm)



Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan

FIGURE

8

Benzene Concentrations in Soil



CAMBRIDGE

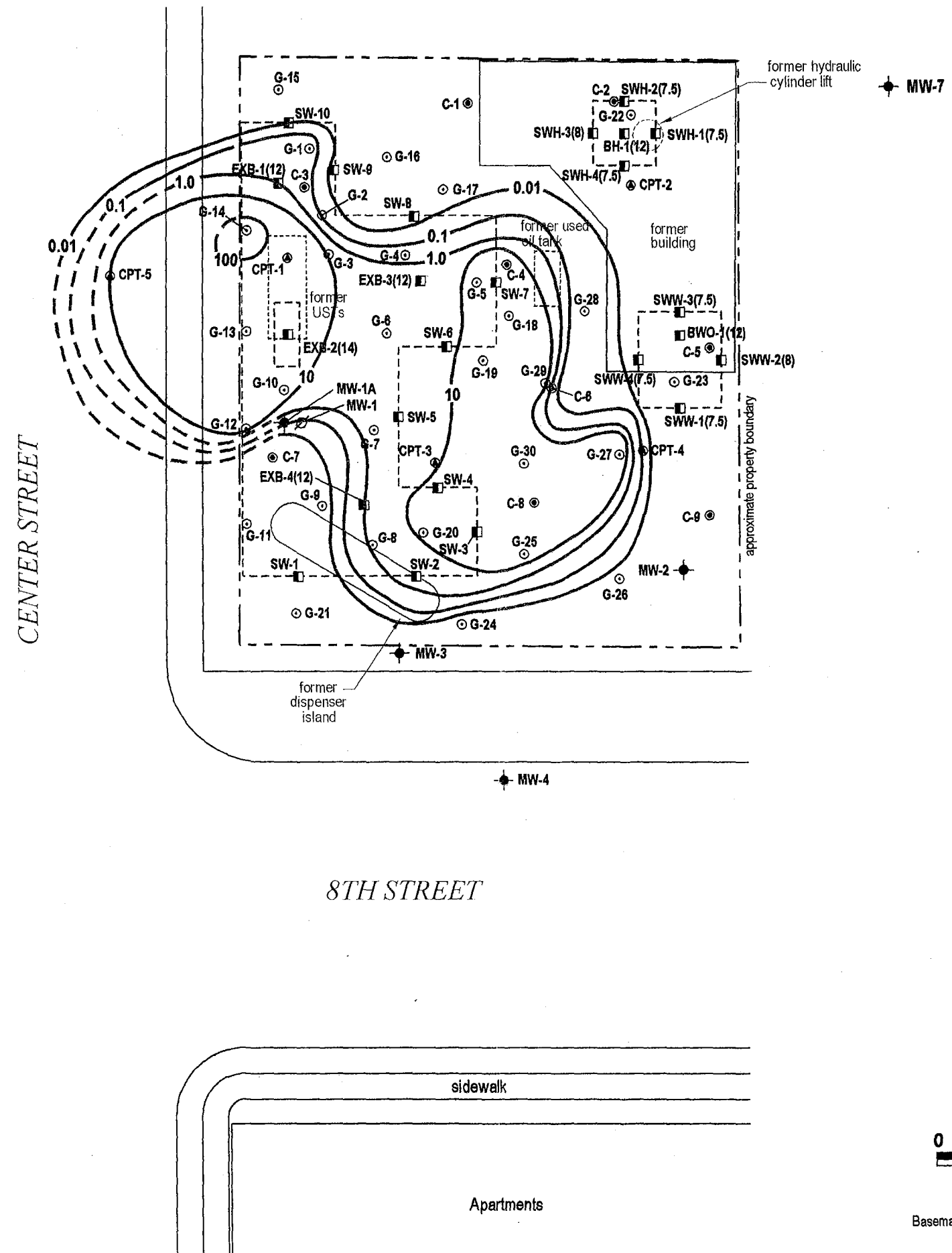
Chevron Service Station 206145

800 Center Street
Oakland, California

0 to 7 Feet Below Grade

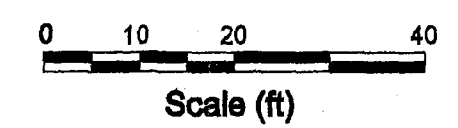
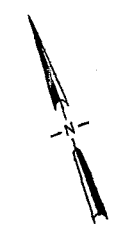
Benzene Concentrations 7-11 fbg

Boring	Depth	Benzene In mg/kg
C-1	10	<0.0005
C-2	10	<0.0005
C-3	10	0.75
C-4	10	11
C-5	10	<0.0005
C-6	10	<0.063
C-7	10	<0.0005
C-8	10	20
C-9	10	<0.0005
CPT-1	10.5	10
CPT-2	10.5	<0.0005
CPT-3	10.5	1.9
CPT-4	10.5	<0.0005
CPT-5	9.5	13
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	10	21
G-2	10	7.5
G-3	10	19
G-4	10	2.5
G-5	10	0.062
G-6	10	19
G-7	10	18
G-8	10	69
G-9	10	82
G-10	10	1.4
G-11	10	<0.080
G-12	10	50
G-13	10	56
G-14	10	65
G-15	10	12
G-16	10	5.1
G-17	10	0.62
G-18	10	4.9
G-19	10	20
G-21	10	0.0091
G-24	10	0.0074
G-25	10	27
G-26	10	<0.0050
G-27	10	13
G-28	10	0.027
G-29	10	39
G-30	10	92
MW-1A	---	---
MW-2	10	<0.0050
MW-3	10	0.24
MW-4	10	<0.0050
MW-5	10	<0.0050
MW-6	10	<0.0050
MW-7	10	<0.0050
MW-8	10	<0.0050
SW-1	10	<0.0050
SW-10	10	<0.10
SW-2	10	2.5
SW-3	10	19
SW-4	10	91
SW-5	10	<0.0050
SW-6	10	7.3
SW-7	10	11
SW-8	10	<0.0050
SW-9	10	<0.0050



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ◆ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 10 — Benzene concentration contour line dashed where inferred, in parts per million (ppm)



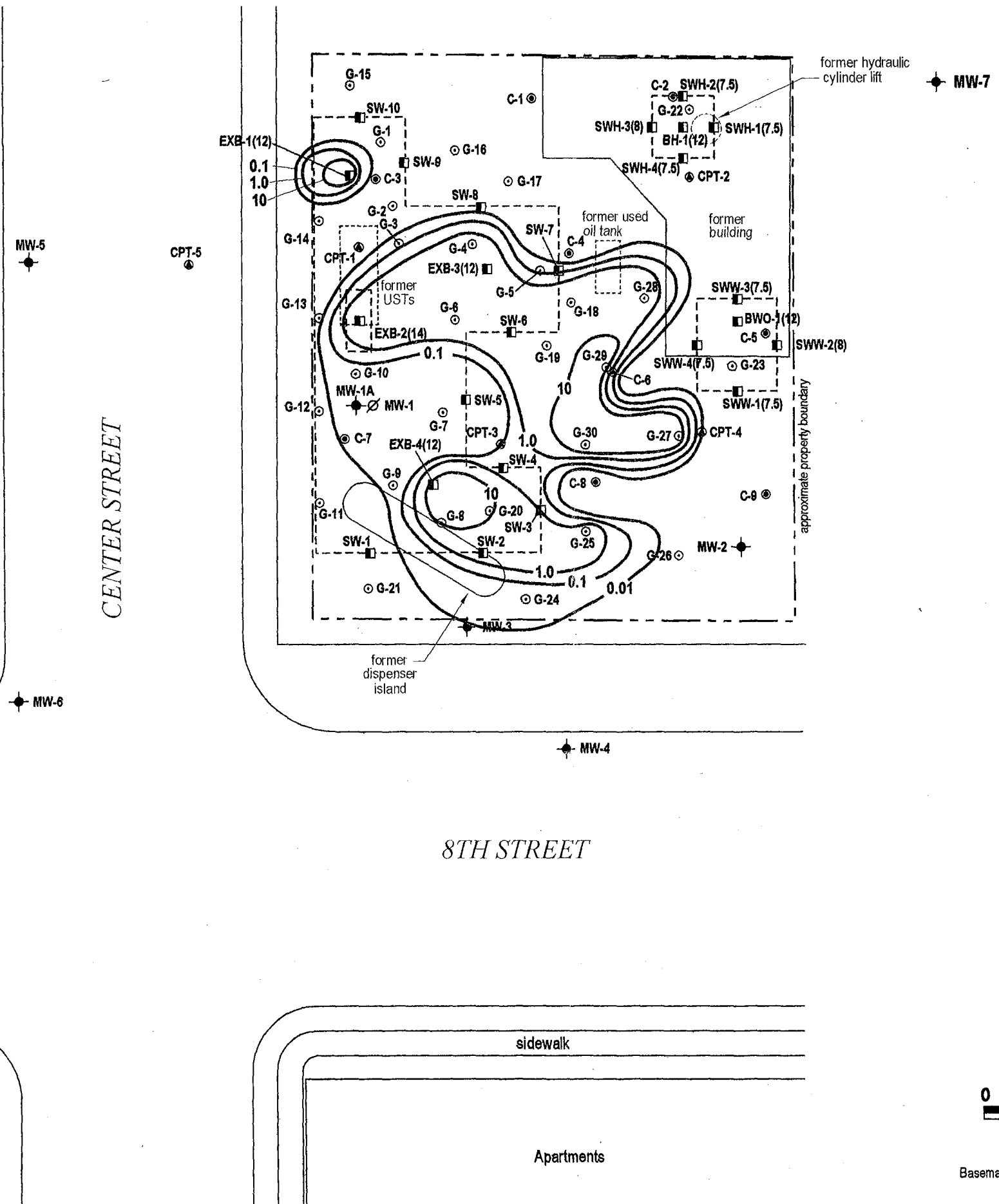
Basemap modified from drawing provided by Gettler-Ryan

FIGURE 9

1308145 OAKLANDFIGURES20-645_BENZ_7-11.DWG

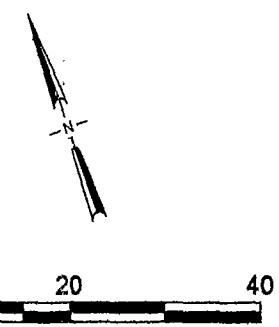
Benzene Concentrations 11-17 fbg

Boring	Depth	Benzene in mg/kg
C-1	15	<0.0005
C-2	15	<0.0005
C-3	15	<0.001
C-4	15	<0.0005
C-5	15	<0.0005
C-6	15	<0.002
C-7	15	<0.063
C-8	15	0.001
C-9	15	<0.0005
CPT-1	14.5	0.0005
CPT-2	14.5	<0.0005
CPT-3	15.5	0.094
CPT-4	14.5	<0.0005
CPT-5	15.5	<0.063
EXB-1	12	25
EXB-2	14	7.3
EXB-3	12	9.5
EXB-4	12	22
G-1	---	---
G-2	---	---
G-3	---	---
G-4	---	---
G-5	---	---
G-6	---	---
G-7	---	---
G-8	---	---
G-9	---	---
G-10	---	---
G-11	---	---
G-12	---	---
G-13	---	---
G-14	---	---
G-15	---	---
G-16	---	---
G-17	---	---
G-18	---	---
G-19	---	---
G-20	---	---
G-21	---	---
G-22	---	---
G-23	---	---
G-24	---	---
G-25	---	---
G-26	---	---
G-27	15	58
G-28	15	2.3
G-29	15	14
G-30	15	27
MW-1A	16	0.013
MW-2	---	---
MW-3	---	---
MW-4	---	---
MW-5	15	<0.0050
MW-6	15	<0.0050
MW-7	15	<0.0050
MW-8	15	<0.0050
SW-1	---	---
SW-10	---	---
SW-2	---	---
SW-3	---	---
SW-4	---	---
SW-5	---	---
SW-6	---	---
SW-7	---	---
SW-8	---	---
SW-9	---	---



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ◆ Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation
- 100 Benzene concentration contour line dashed where inferred, in parts per million (ppm)



Basemap modified from drawing provided by Gettler-Ryan

FIGURE 10

Benzene Concentrations in Soil
11 to 17 Feet Below Grade

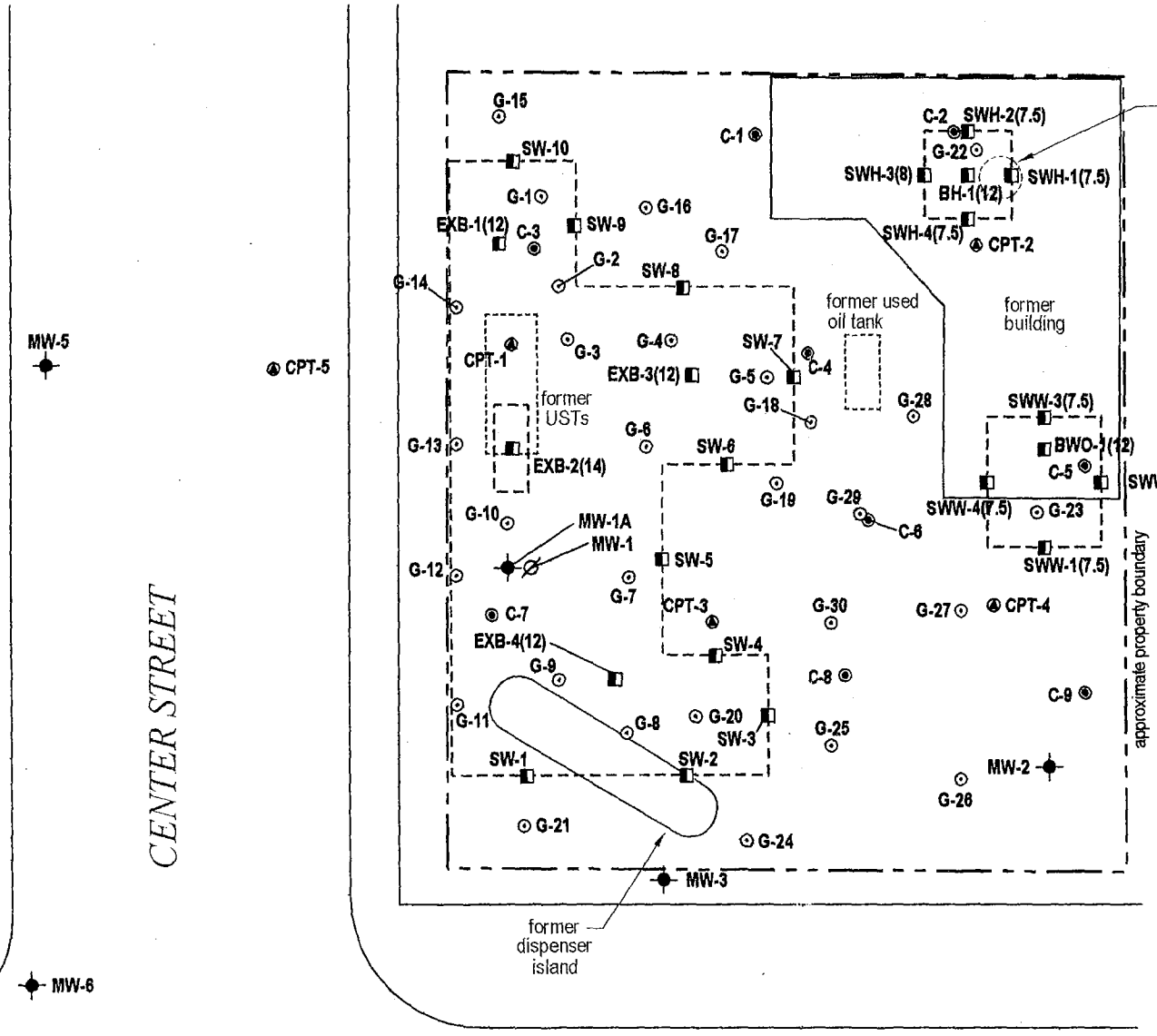


Chevron Service Station 206145
800 Center Street
Oakland, California

L:\206145 OAKLAND\FIGURES\206145_SERVZ_11-17.DWG

Benzene Concentrations 17-22 fbg

Boring	Depth	Benzene in mg/kg
C-1	20	<0.0005
C-2	20	<0.0005
C-3	20	<0.0005
C-4	20	<0.0005
C-5	20	<0.0005
C-6	20	<0.0005
C-7	20	<0.0005
C-8	20	<0.0005
C-9	20	<0.0005
CPT-1	---	---
CPT-2	20.5	<0.0005
CPT-3	20.5	0.002
CPT-4	20.5	<0.0005
CPT-5	---	---
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	---	---
G-2	---	---
G-3	---	---
G-4	---	---
G-5	---	---
G-6	---	---
G-7	---	---
G-8	---	---
G-9	---	---
G-10	---	---
G-11	---	---
G-12	---	---
G-13	---	---
G-14	---	---
G-15	---	---
G-16	---	---
G-17	---	---
G-18	---	---
G-19	---	---
G-27	---	---
G-28	---	---
G-29	---	---
G-30	---	---
MW-1A	---	---
MW-2	---	---
MW-3	---	---
MW-4	---	---
MW-5	---	---
MW-6	---	---
MW-7	---	---
MW-8	---	---
SW-1	---	---
SW-10	---	---
SW-2	---	---
SW-3	---	---
SW-4	---	---
SW-5	---	---
SW-6	---	---
SW-7	---	---
SW-8	---	---
SW-9	---	---



EXPLANATION

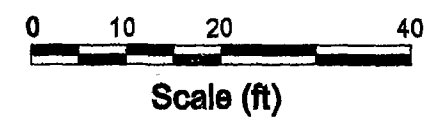
- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation

CENTER STREET

8TH STREET

sidewalk

Apartments



Basemap modified from drawing provided by Gettler-Ryan

FIGURE
11

Benzene Concentrations in Soil

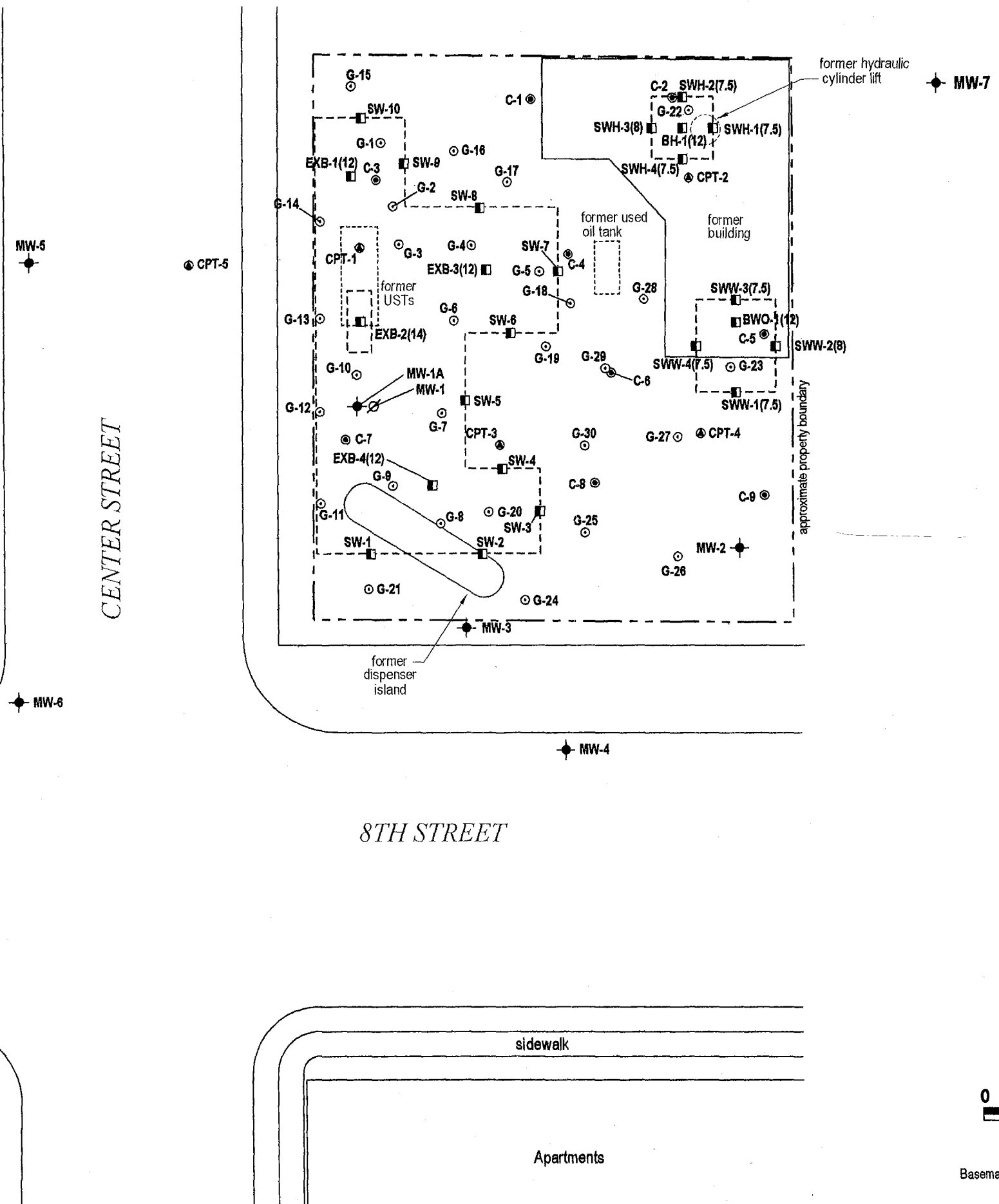


Chevron Service Station 206145
800 Center Street
Oakland, California

17 to 22 Feet Below Grade

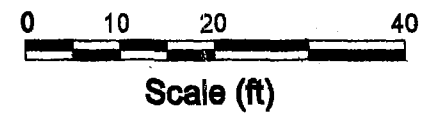
Benzene Concentrations 22-27 fbg

Boring	Depth	Benzene in mg/kg
C-1	24.5	<0.0005
C-2	24.5	<0.0005
C-3	24.5	<0.0005
C-4	24.5	<0.0005
C-5	24.5	<0.0005
C-6	24.5	<0.0005
C-7	24.5	<0.0005
C-8	24.5	<0.0005
C-9	24.5	<0.0005
CPT-1	25.5	<0.0005
CPT-2	25.5	<0.0005
CPT-3	25.5	0.001
CPT-4	25.5	<0.0005
CPT-5	25.5	0.081
EXB-1	---	---
EXB-2	---	---
EXB-3	---	---
EXB-4	---	---
G-1	---	---
G-2	---	---
G-3	---	---
G-4	---	---
G-5	---	---
G-6	---	---
G-7	---	---
G-8	---	---
G-9	---	---
G-10	---	---
G-11	---	---
G-12	---	---
G-13	---	---
G-14	---	---
G-15	---	---
G-16	---	---
G-17	---	---
G-18	---	---
G-19	---	---
G-27	---	---
G-28	---	---
G-29	---	---
G-30	---	---
MW-1A	---	---
MW-2	---	---
MW-3	---	---
MW-4	---	---
MW-5	---	---
MW-6	---	---
MW-7	---	---
MW-8	---	---
SW-1	---	---
SW-10	---	---
SW-2	---	---
SW-3	---	---
SW-4	---	---
SW-5	---	---
SW-6	---	---
SW-7	---	---
SW-8	---	---
SW-9	---	---



EXPLANATION

- CPT-1 ● CPT boring location
- C-1 ● Soil boring location
- MW-1A ● Monitoring well location
- MW-1 ∅ Destroyed monitoring well location
- G-28 ○ Gettler-Ryan geoprobe boring location
- SW-7 ■ Gettler-Ryan soil sample location
- Area of over excavation



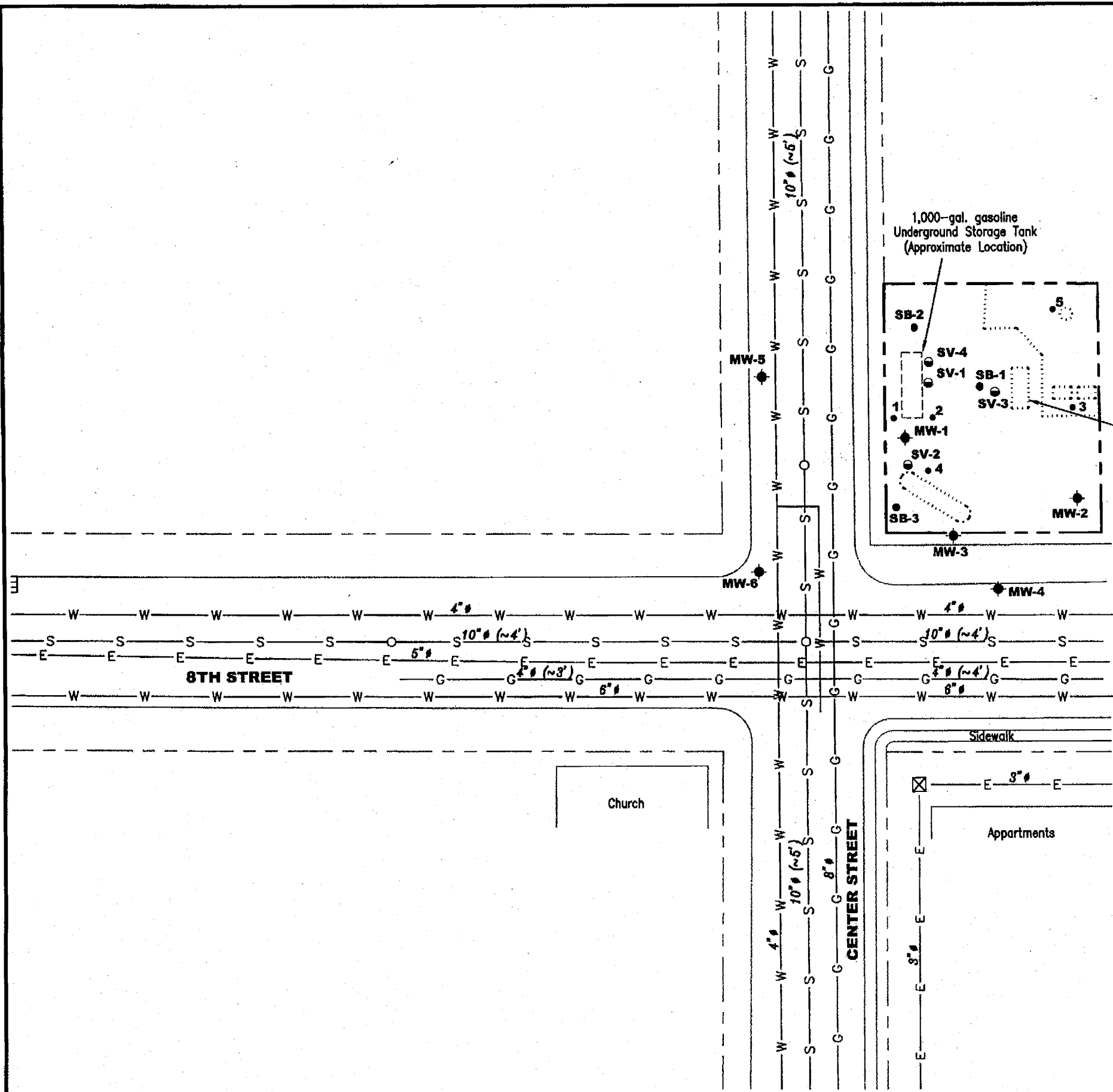
Basemap modified from drawing provided by Gettler-Ryan

FIGURE 12

1206145 OAKLANDFIGURESD-6145_BENZ_22-27.DWG

ATTACHMENT J

Utility Survey and Well Area Survey Data



EXPLANATION

- ◆ Groundwater monitoring well
- ▤ Storm drain
- ⊠ PG&E vault
- ⊙ Electrical transformer
- Manhole
- 8" # Pipe diameter
- (~8') Approximate pipe depth

UNDERGROUND UTILITIES

- S — Sanitary sewer
- SD — Storm drain
- W — Water
- G — Natural gas
- E — Electric

FIGURE 4

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

DATE
3/02

PROJECT NUMBER
DG26145C.4C01

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

REVIEWED BY

FILE NAME: P:\ENVIRO\CHEVRON\206145\401-20-6145.DWG | Layout Tab: Utility 3-02

Source: Figure modified from drawing provided by RRM engineering contracting firm. Utilities provided by City of Oakland/Public Work/Engineering, PG&E, E.B.M.U.D.

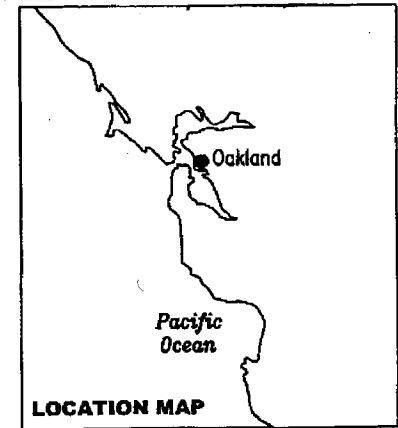
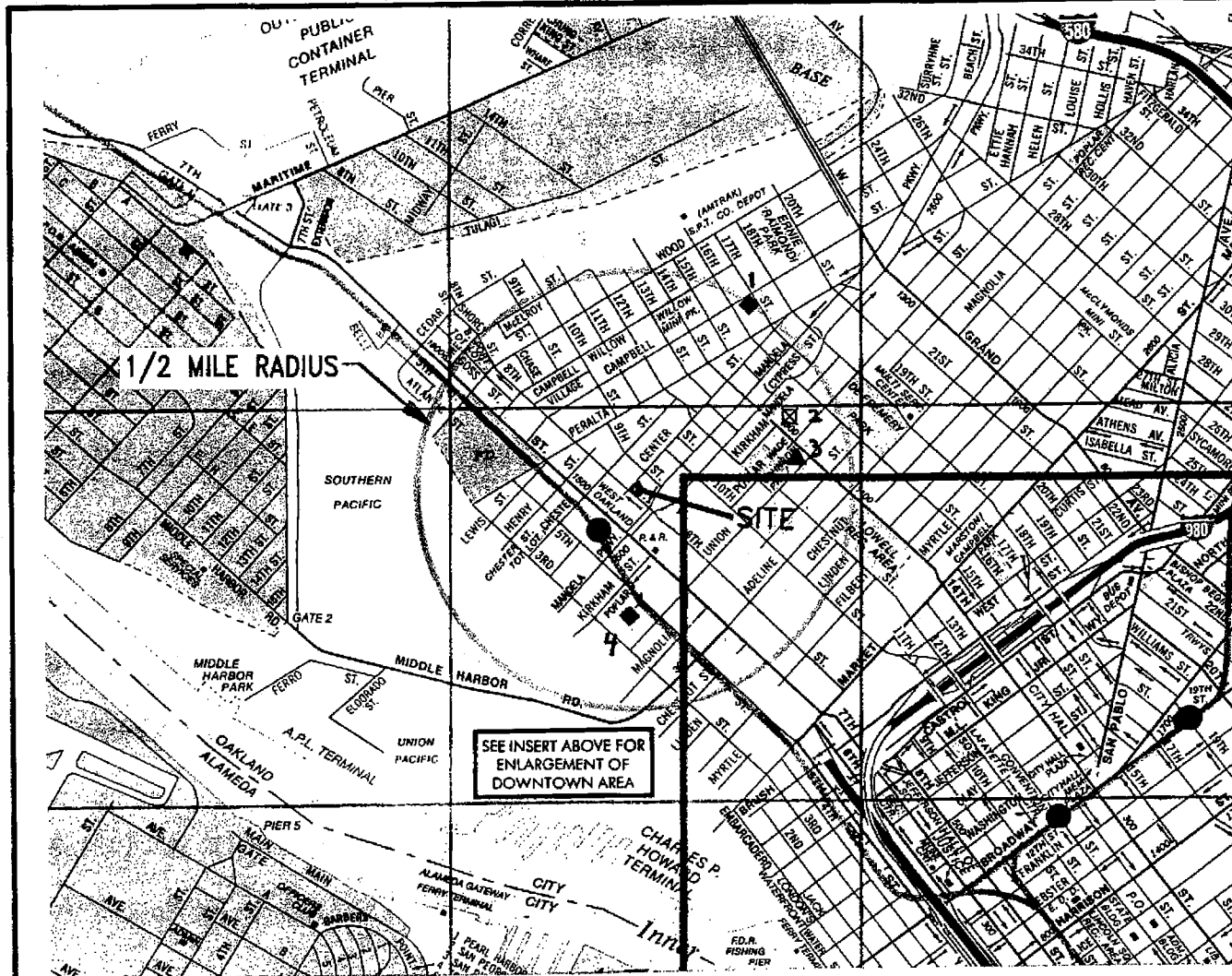
TABLE 4 - WELL SEARCH DATA
Former Chevron Service Station No. 20-6145
800 Center Street, Oakland California
Half Mile Radius Around Site

Map ID	Well Owner	Well Location	Well Use	Well Status	State Well #	Year Installed	Well Depth (feet)	Screen Interval (feet)		Well Diameter (inches)	AVG DTW (feet)
								From	To		
1	General Electric Company	1614 Campbell Street	IND	NA	NA	1918	200	NA	NA	NA	4
2	Carnation Dairy Facility	1310 4th Street	ABD	NA	NA	1990	20	NA	NA	2	NA
3	Shredded Wheat	Union and 14th Street	IRR	NA	NA	1915	55	NA	NA	NA	8
4	Red Star Yeast Company	1384 5th Street	IND	NA	NA	1946	350	NA	NA	12	43

Explanation

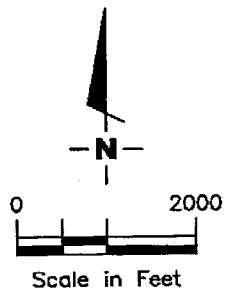
IND = Industrial Well
ABD = Abandoned Well
IRR = Irrigation Well
NA = Information Not Available
DWT = Depth To Water

Well location data supplied by the County of Alameda Public Works Agency



EXPLANATION

- ☒ Abandoned Well
- ◆ Industrial Well
- ▲ Irrigation Well



Source: AAA map.

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

WELL SURVEY MAP
 Former Signal Oil Service Station No 20-6145
 800 Center Street
 Oakland, California

FIGURE
3