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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 (µg/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 μg/L and 13,000 μg/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 $50,000~\mu g/L$ and $65~\mu g/L$, 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



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



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

	Soil		Groundwater			
COC	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 <u>NOT</u> 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



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.



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	Very Good	Poor to	Poor to	Poor	Good
	Moderate		Moderate	Moderate		
Total Cost	\$380,000	\$160,000	\$340,000	\$440,000	\$0	Unknown(\$\$\$)
Recommended		X				
Alternative						

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.



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.



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

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Figures:

1 – Vicinity Map

2 - Site Plan

3 – Site Plan with Boring Locations

4 – TPHg Shallow Groundwater Isoconcentration Map 5 – Benzene Shallow Groundwater IsoconcentrationMap

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

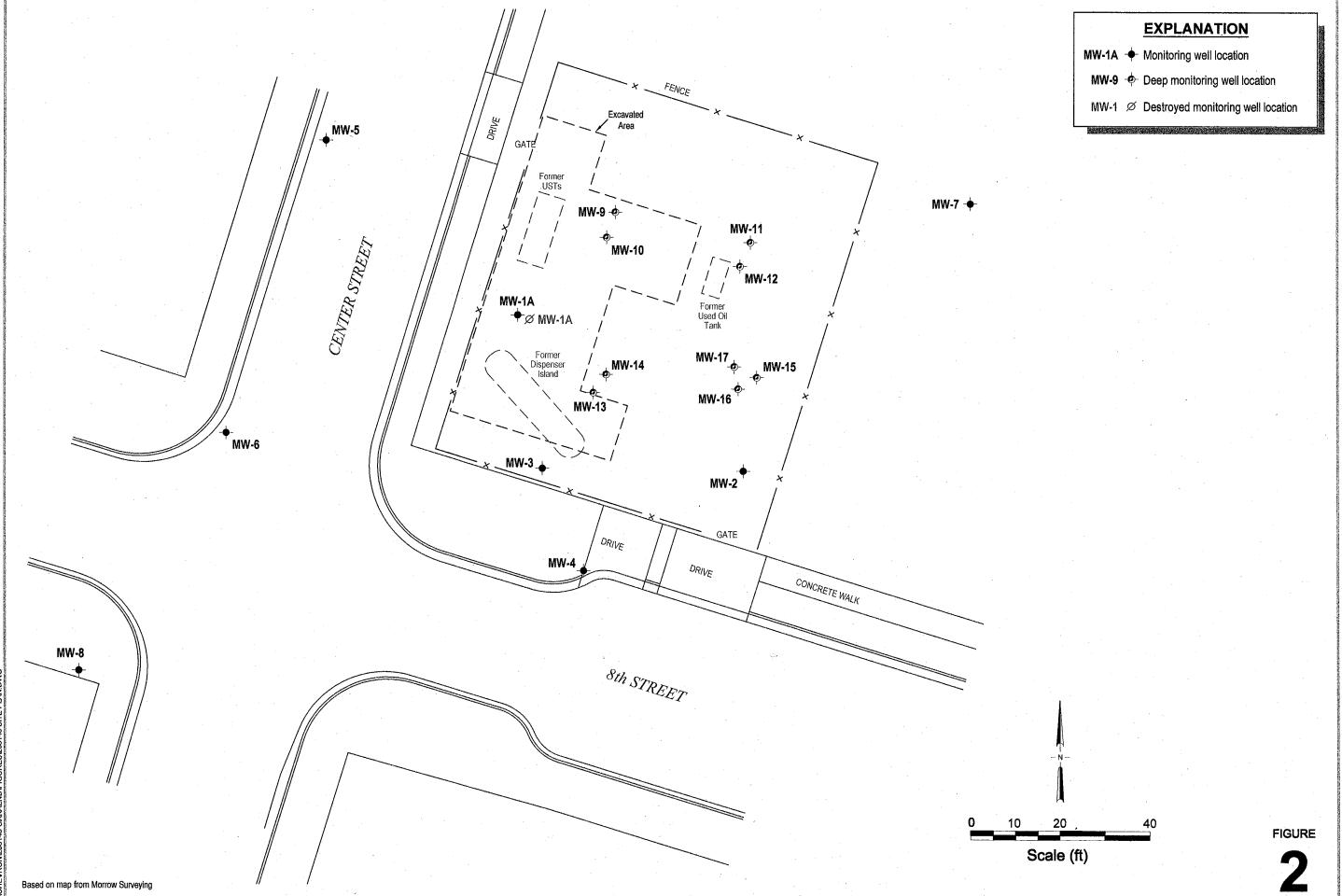
J - Utility Survey and Area Well Survey Data

Chevron Station No. 206145

800 Center Street Oakland, California



Vicinity Map



Site Plan

Former Chevron Service Station 800 Center Street
Oakland, California

EXPLANATION

Destroyed monitoring well location

Gettler-Ryan soil sample location

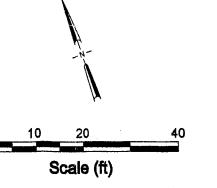
Area of over excavation

Gettler-Ryan geoprobe boring location

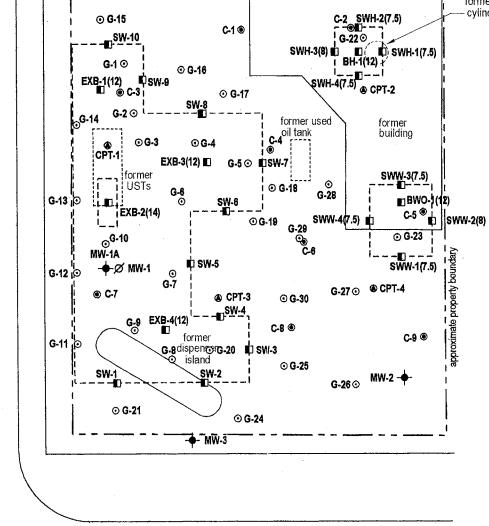
Soil boring location

CPT-1 © CPT boring location

MW-1A → Monitoring well location



sidewalk Apartments



CENTER STREET

-**∳-** MW-5

-**♦**- MW-6

CPT-5 👁

C-8 💿

former hydraulic – cylinder lift

→ MW-7

8TH STREET

Church

MW-8-

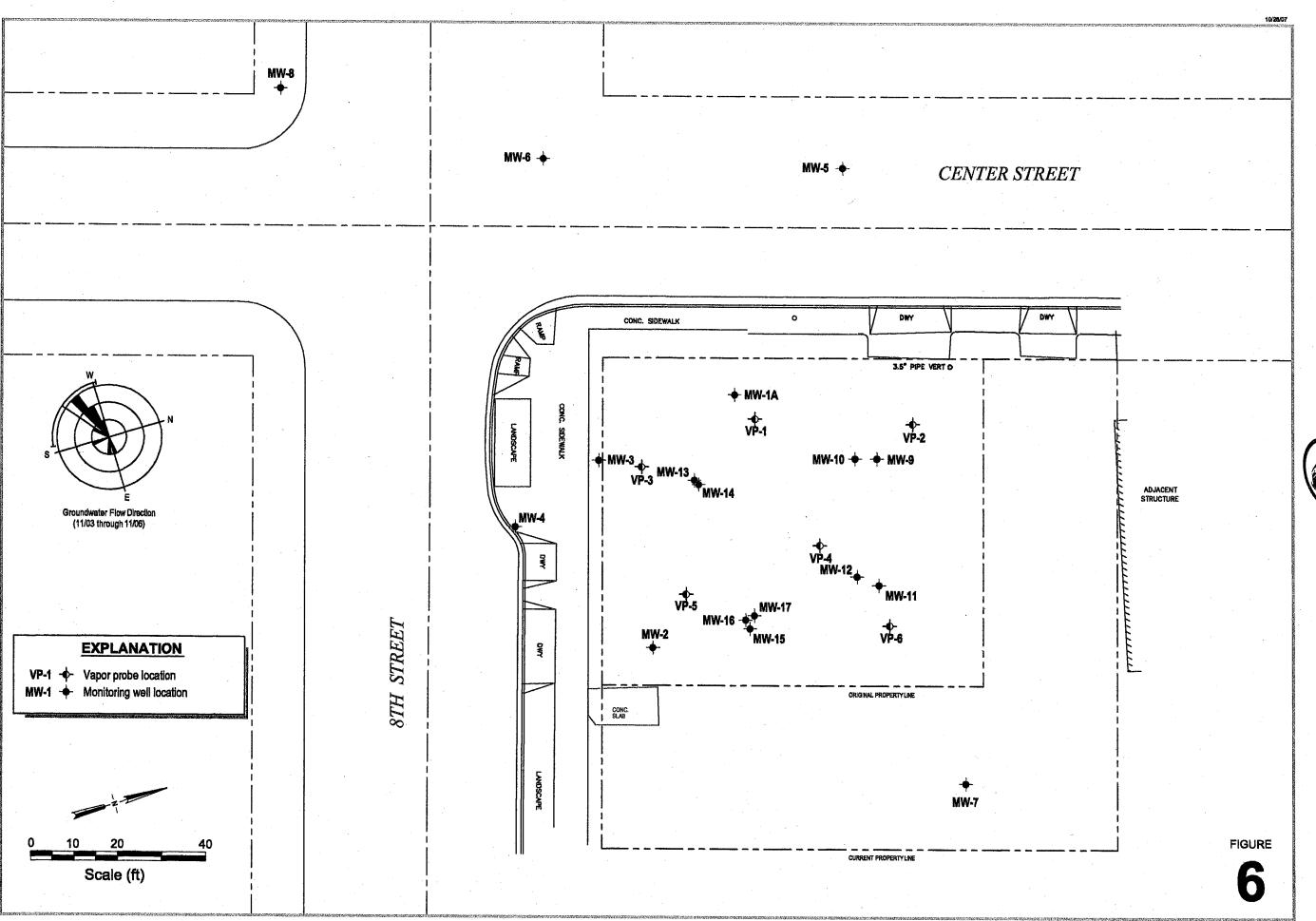
Basemap modified from drawing provided by Gettler-Ryan

FIGURE

TPHg Isoconcentrations in Shallow Groundwater

Benzene Isoconcentrations in Shallow Groundwater

Former Chevron Service Station 800 Center Street
Oakland, California

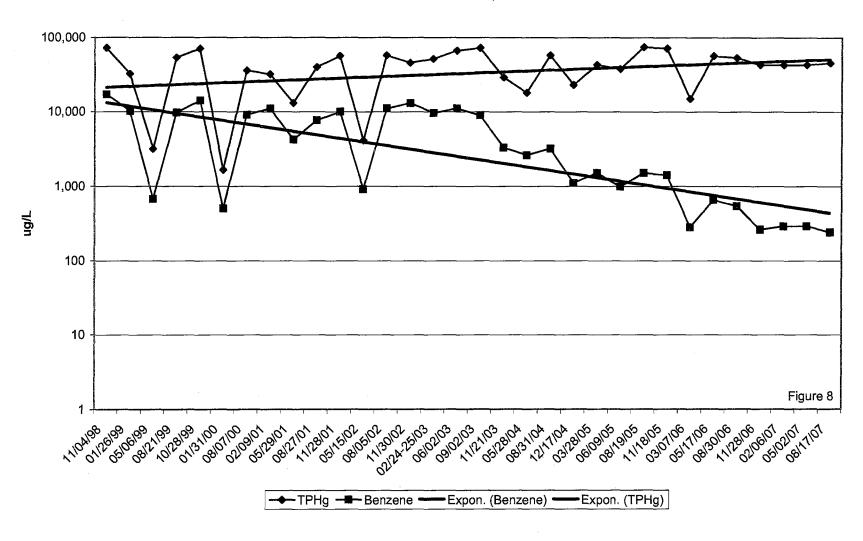


Wells and Vapor Probe Locations

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

TPHg and Benzene vs. Time MW-3

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



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

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

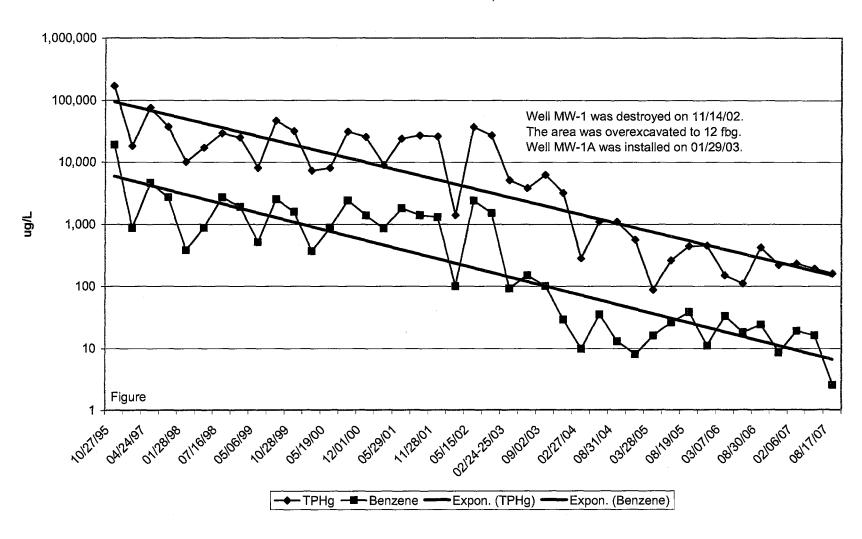


Table 1. Analytic Results for Soil - Former Chevron Station 20-6145, 800 Center Street, Oakland, California

Sample	Sample	Depth	TPHd	TPHg	В	Т	E	X
ID	Date	(fbg)	Concen	rations reported	d 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			

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

Sample	Sample	Depth	TPHd	ТРНд	В	T	Е	X
ID	Date	(fbg)	Concent		l 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
OVEREX	CAVATION		•					

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

Sample	Sample	Depth	TPHd	ТРНд	В	T	E	X
ID	Date	(fbg)			t in milligrams j	per kilogram -		
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

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

Sample	Sample	Depth	TPHd	TPHg	В	T	E	X
ID	Date	(fbg)			d in milligrams į	oer kilogram	- mg/kg	<u>.</u>
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

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

Sample	Sample	Depth	TPHd	TPHg	В	T	Ē	X
ID	Date	(fbg)_	Concent	rations reported	in milligrams į	oer 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

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

Sample	Sample	Depth	TPHd	TPHg	В	T	Е	X
ID	Date	(fbg)	Concent	rations reporte	d in milligrams p	er 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

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

Sample	Sample	Depth	TPHd	TPHg	В	T	E	X
ID	Date	(fbg)	Concent	rations 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

(181 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(6-10) 567-6700
FAX (510) 337-9335

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

- 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 Mutichannel 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

Messrs. Sinha and Boisvert March 21, 2007 Page 2

- 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

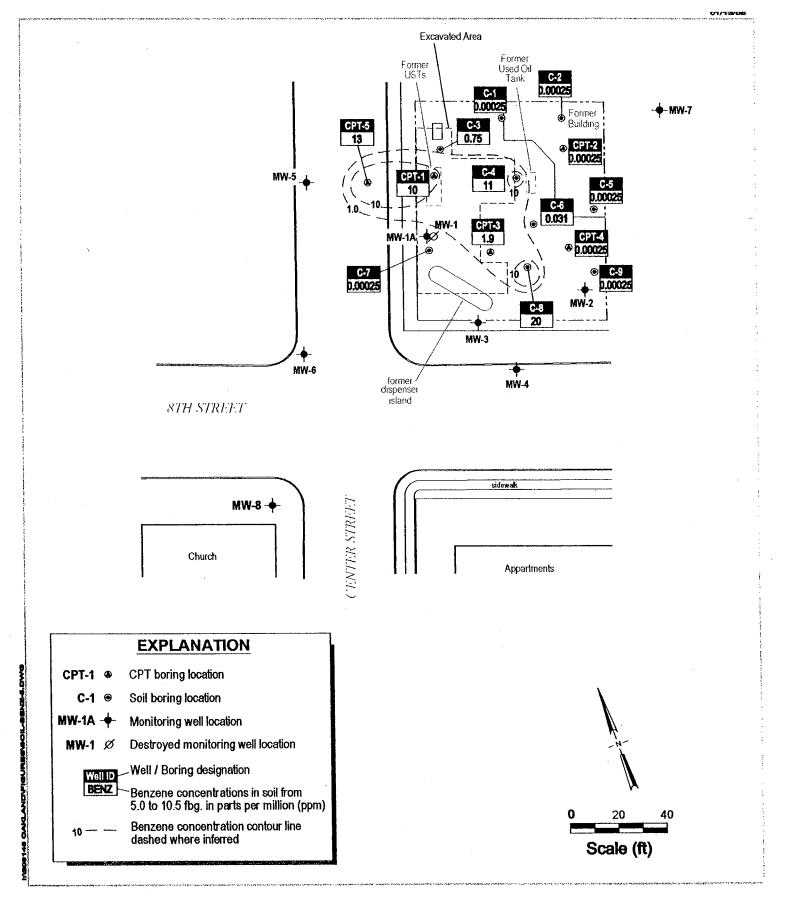
cc: files, D. Drogos

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

3_21_07 800Center St

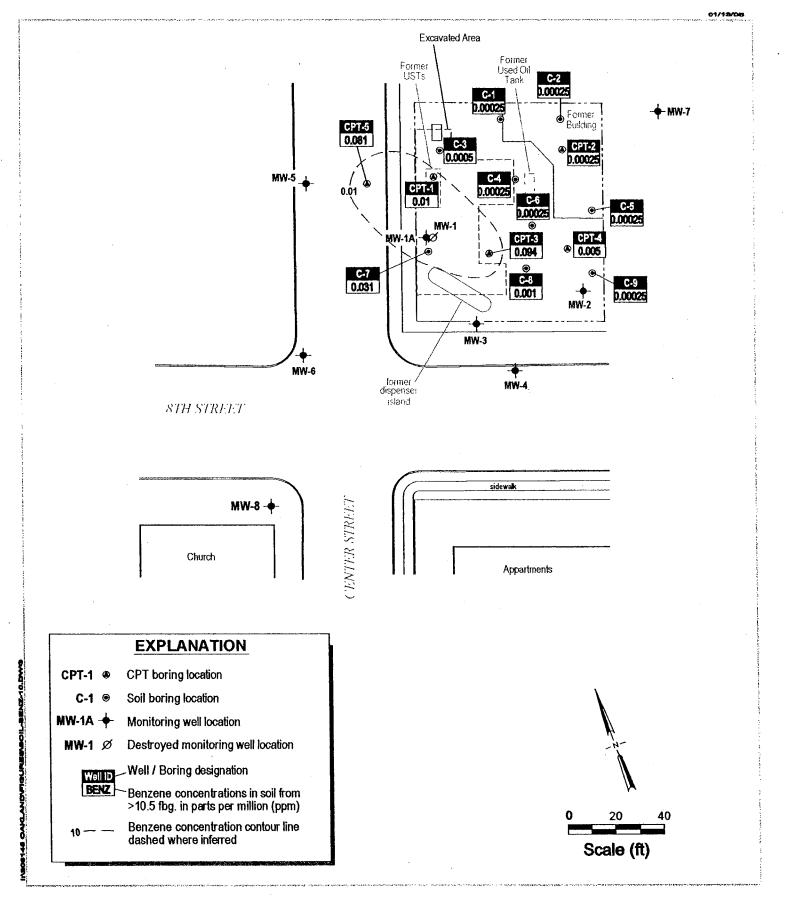
ATTACHMENT B Figures from Previous Investigations



800 Center Street
Oakland, California



Isoconcentrations of Benzene in Soil from 5.0 to 10.5 fbg.



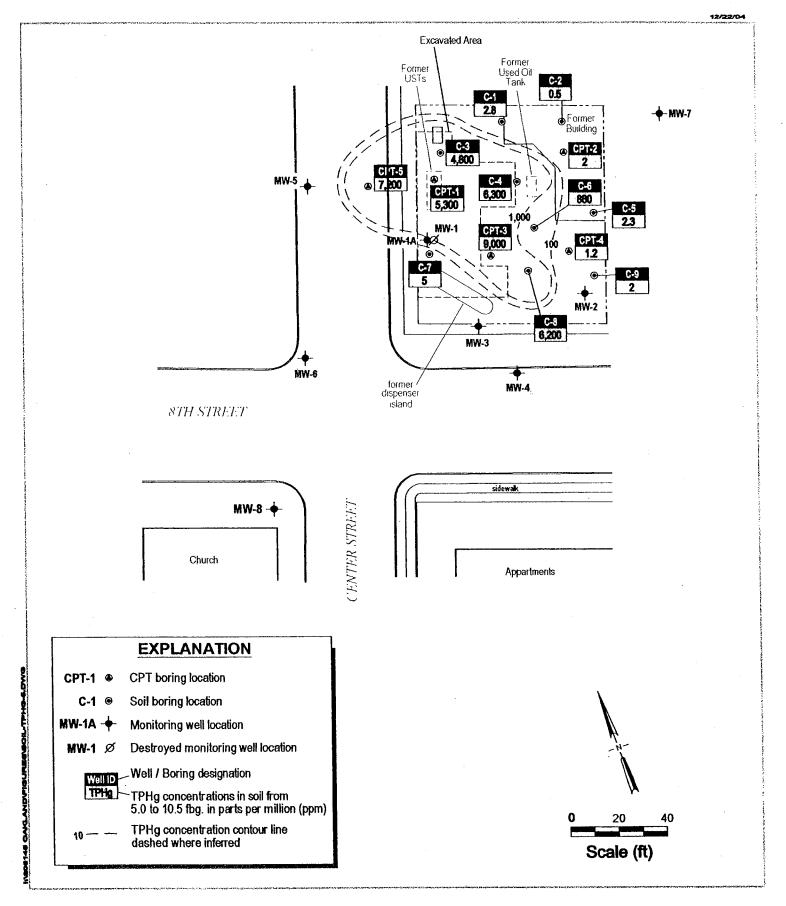
800 Center Street

Oakland, California



Isoconcentrations of Benzene in Soil from >10.5 fbg.

CAMBRIA

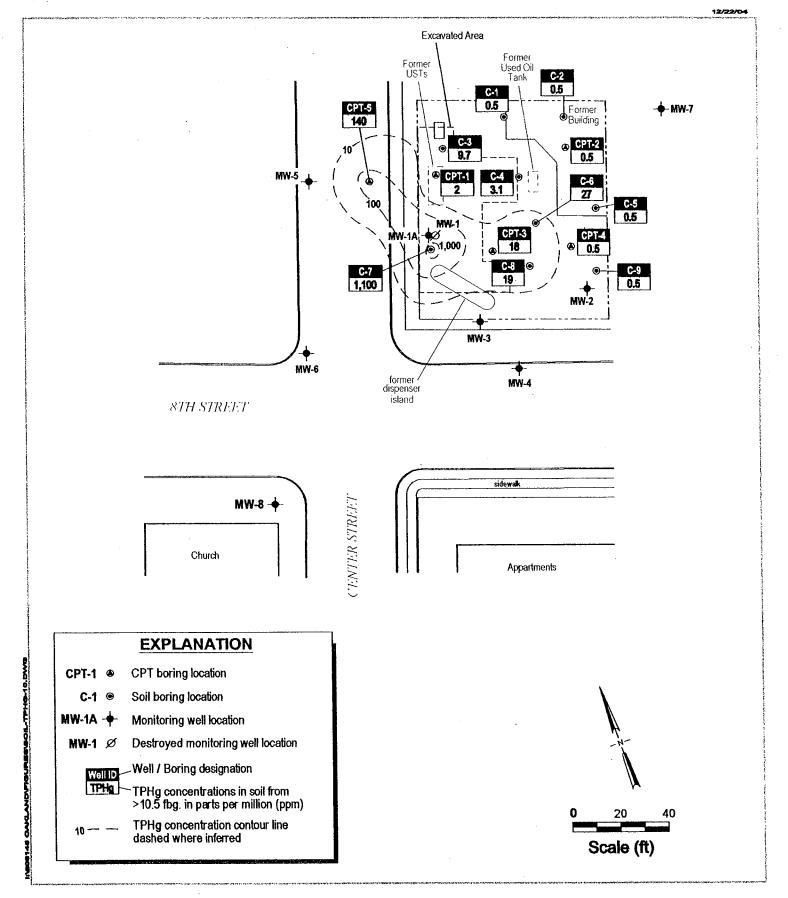


800 Center Street

Oakland, California



in Soil from 5.0 to 10.5 fbg.

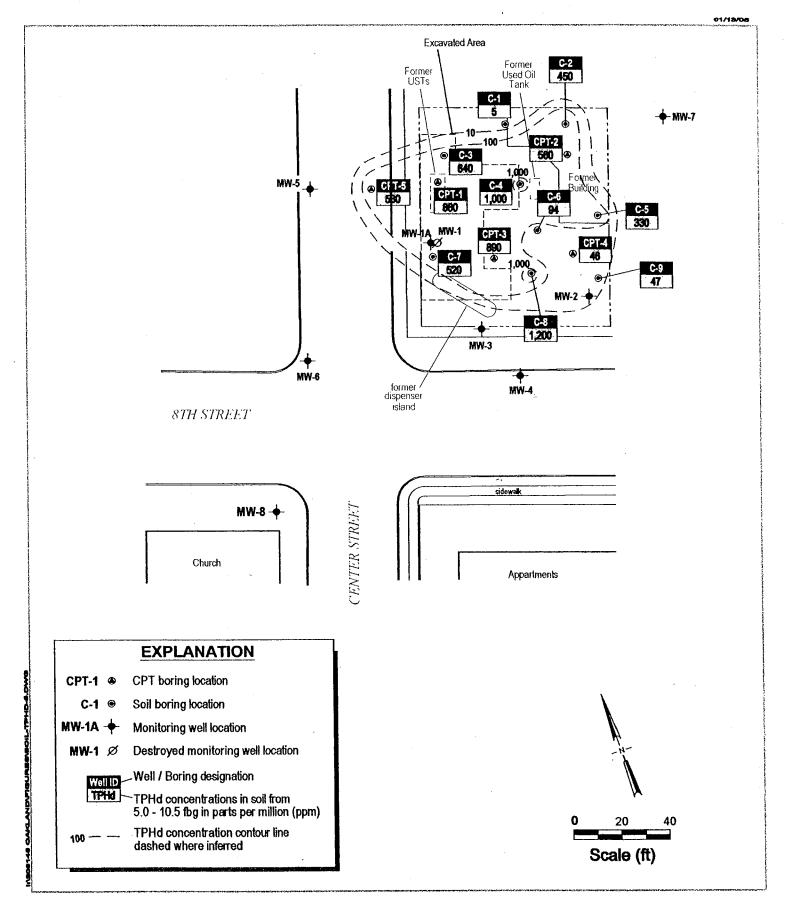


800 Center Street
Oakland, California



CAMBRIA

in Soil from >10.5 fbg.

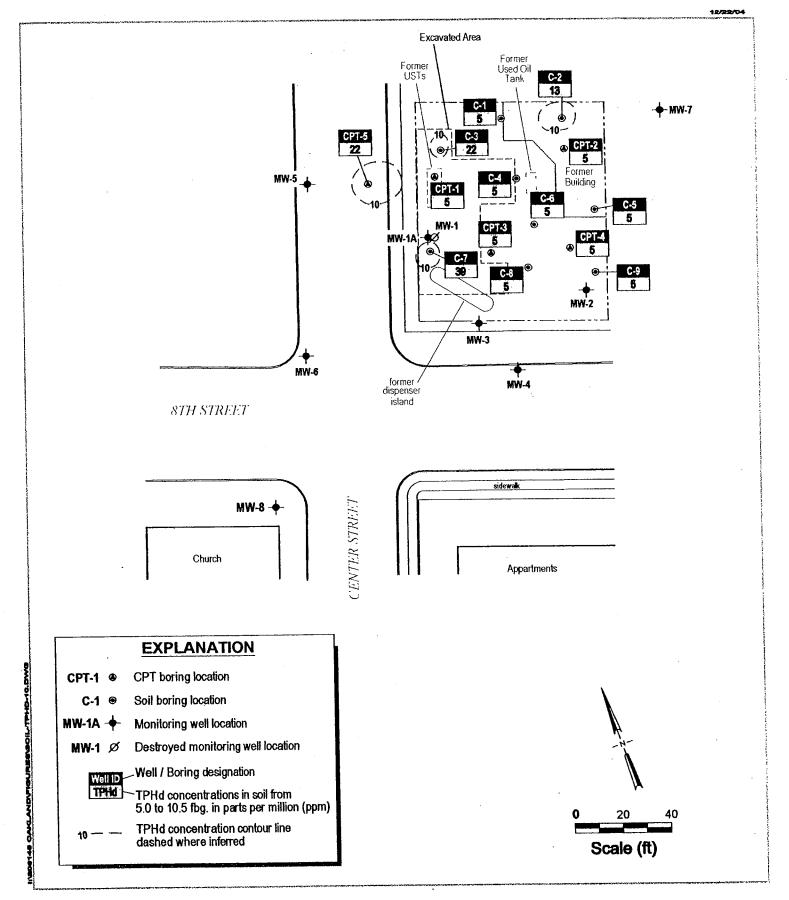


800 Center Street
Oakland, California



CAMBRIA

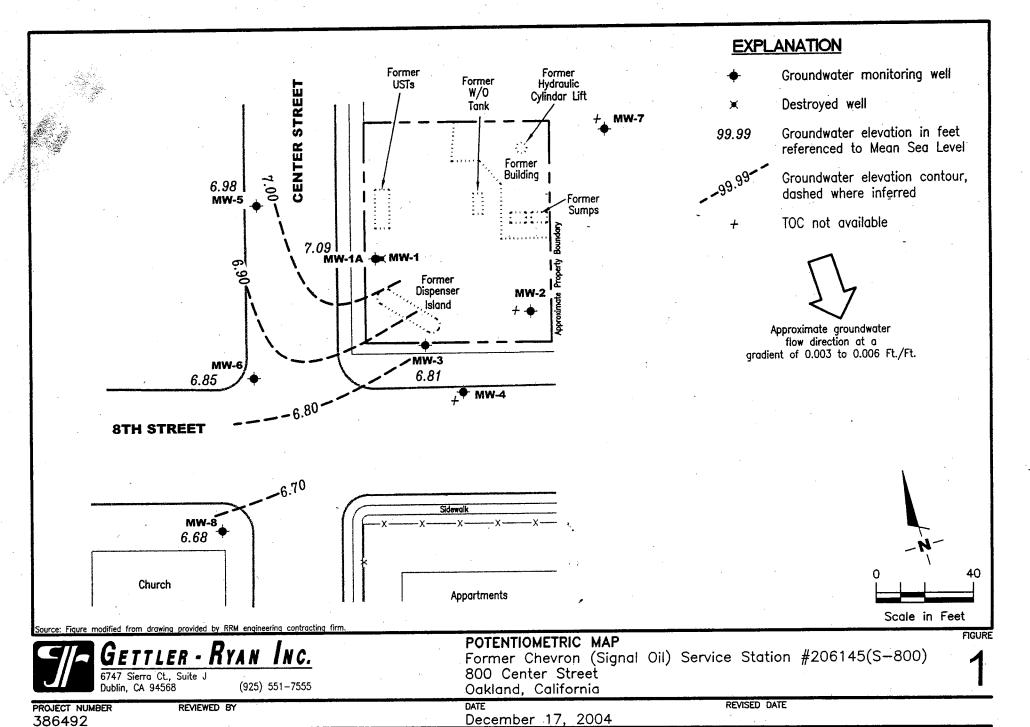
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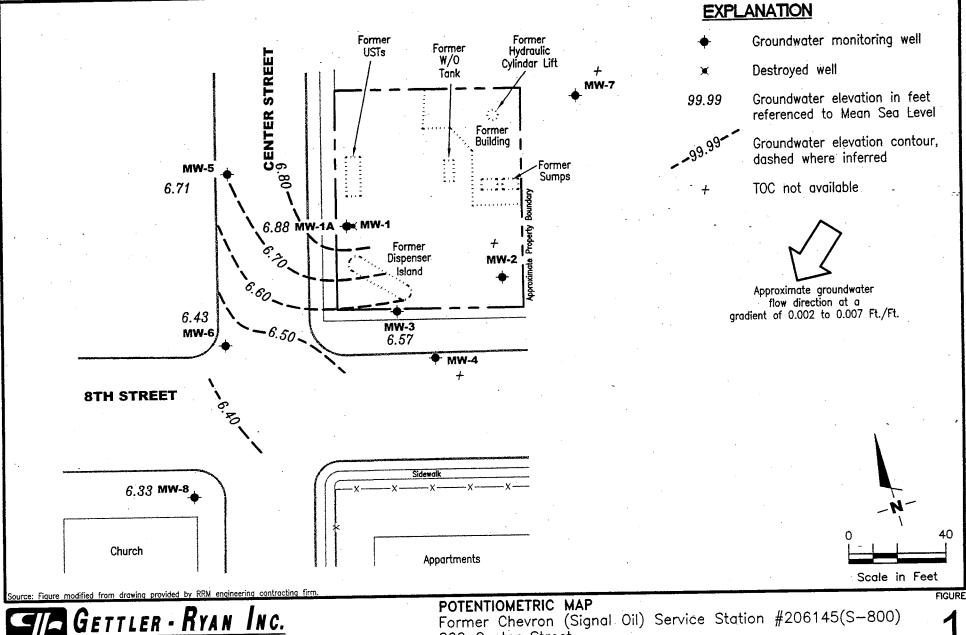
800 Center Street
Oakland, California



in Soil from >10.5 fbg.



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6747 Sierra Ct., (925) 551-7555 Dublin, CA 94568

800 Center Street Oakland, California

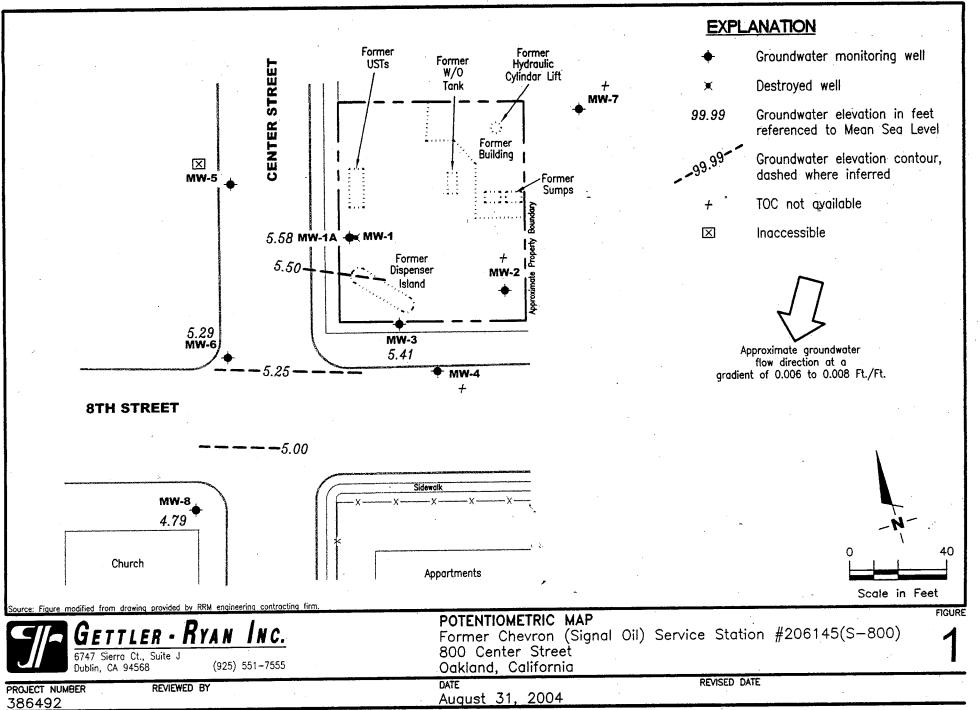
DATE

REVISED DATE

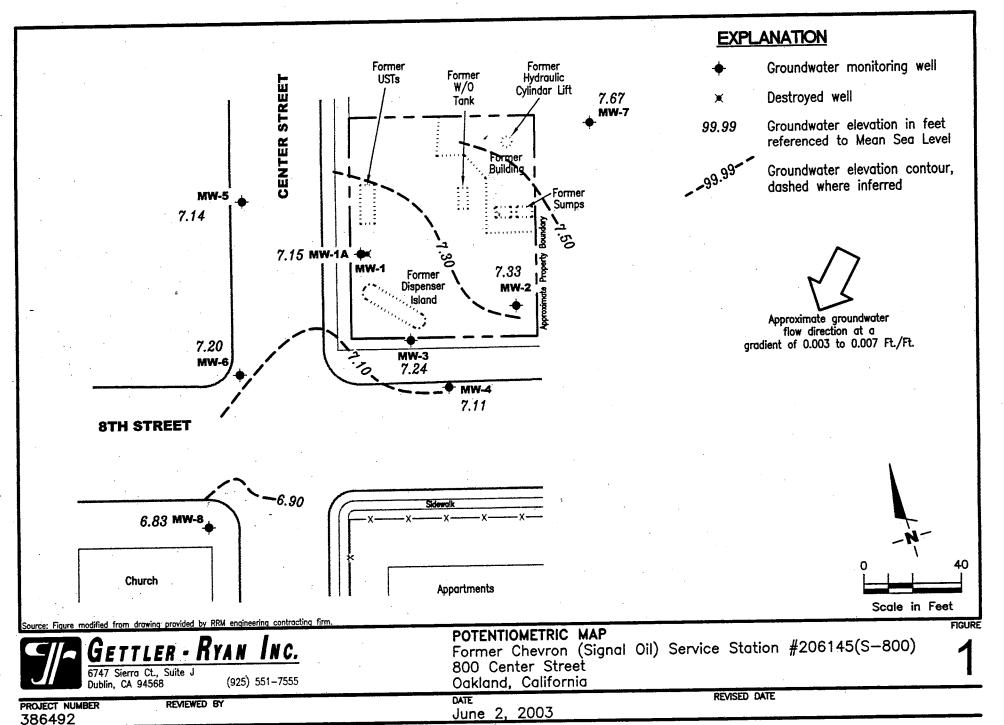
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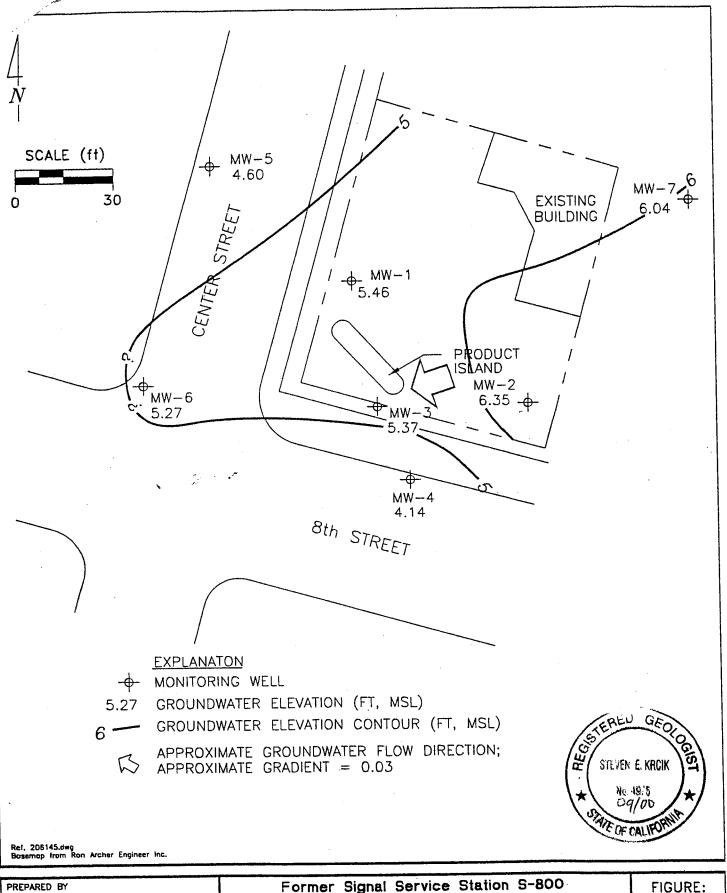
REVIEWED BY

May 28, 2004



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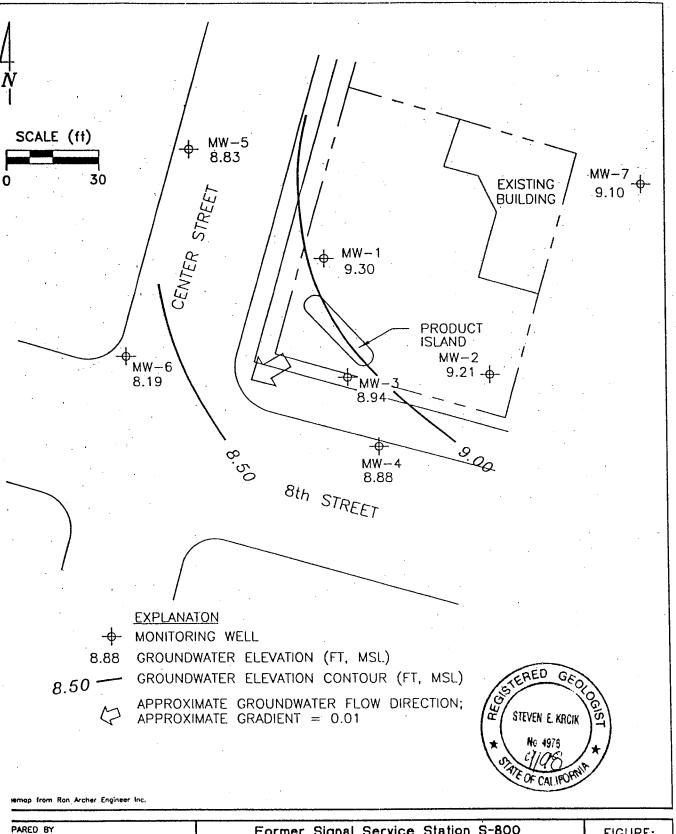
Former Signal Service Station S-800 800 Center Street Oakland, California

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PROJECT:

DAC04

GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 28, 1999



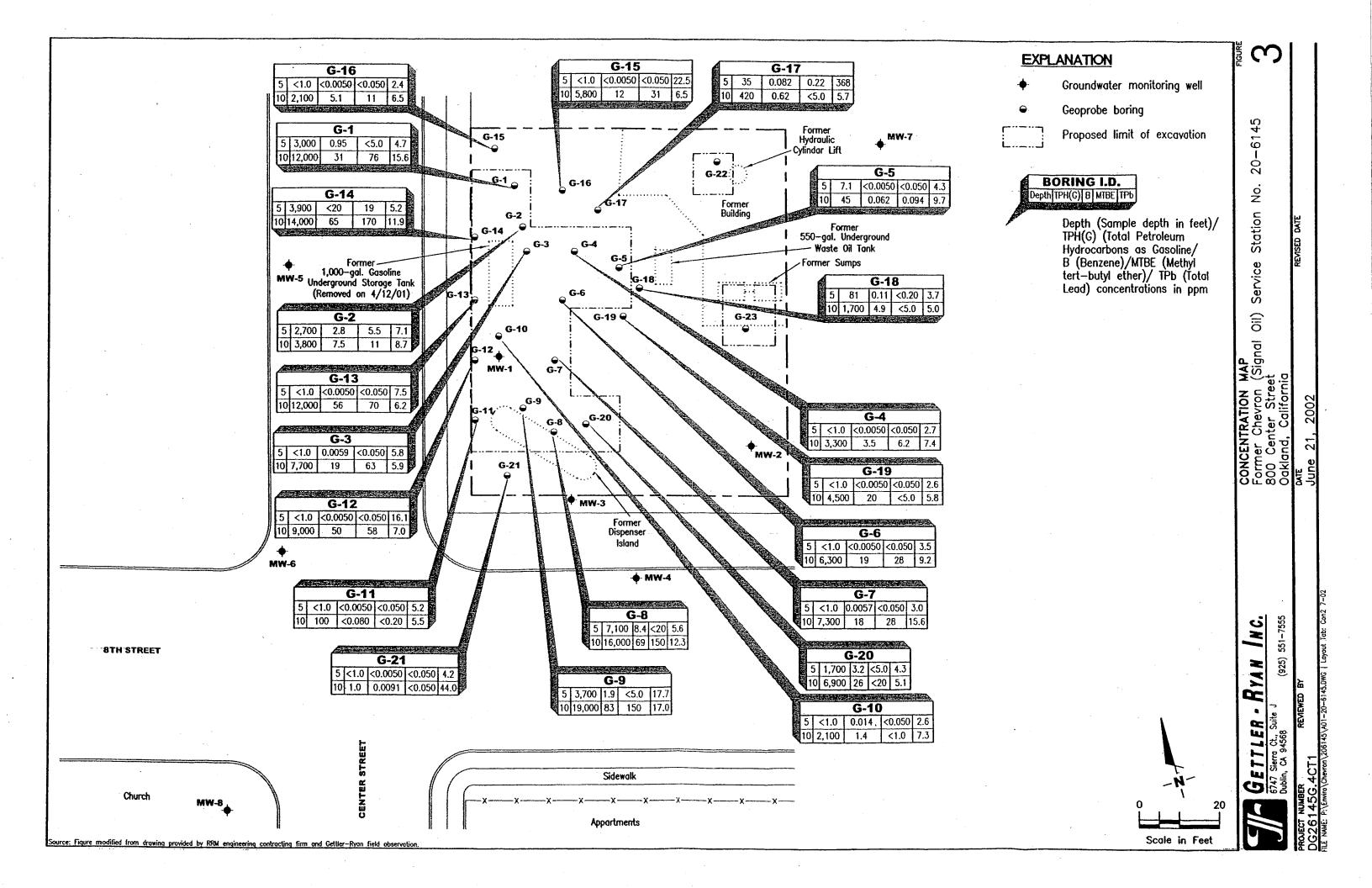
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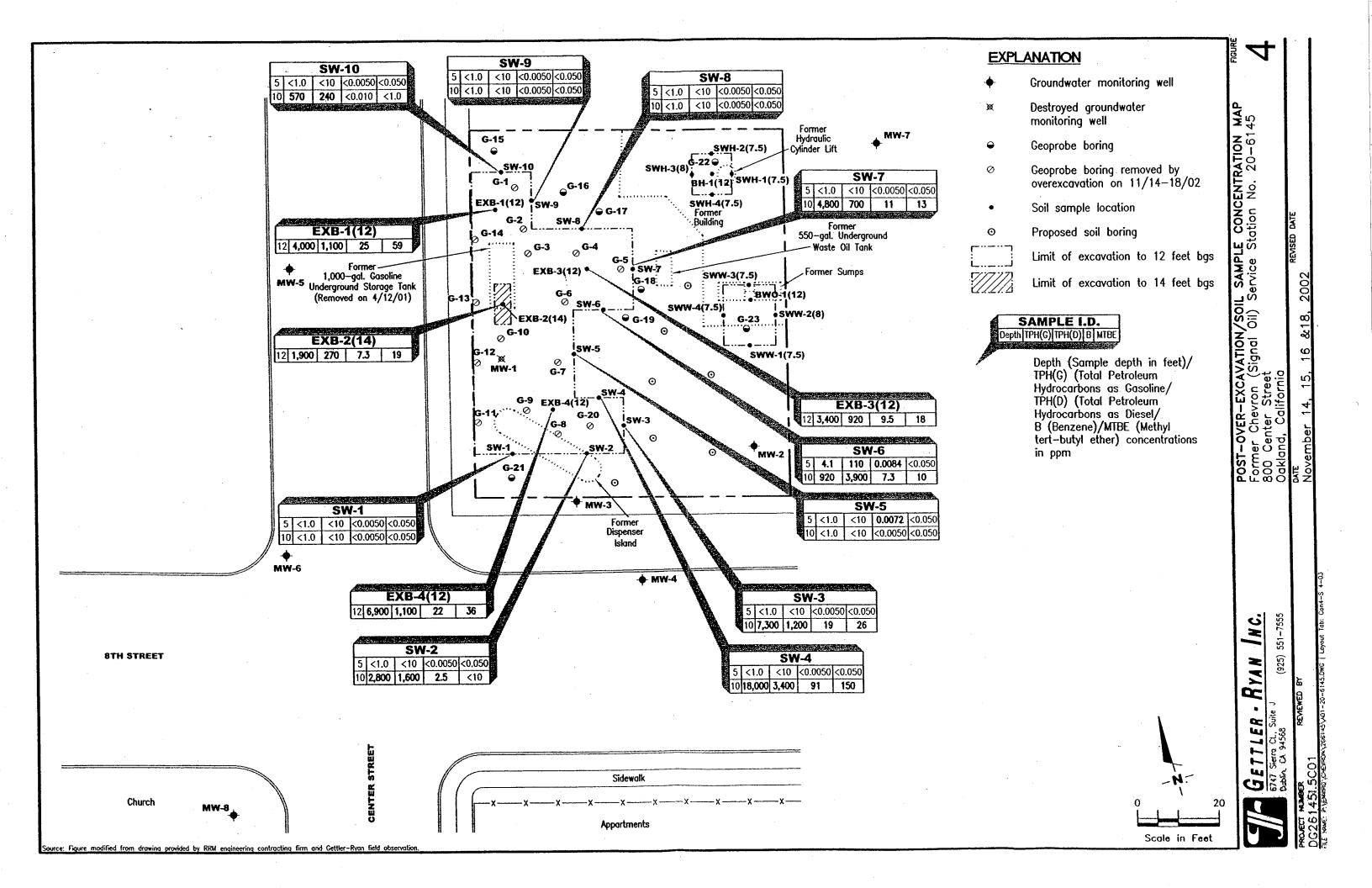
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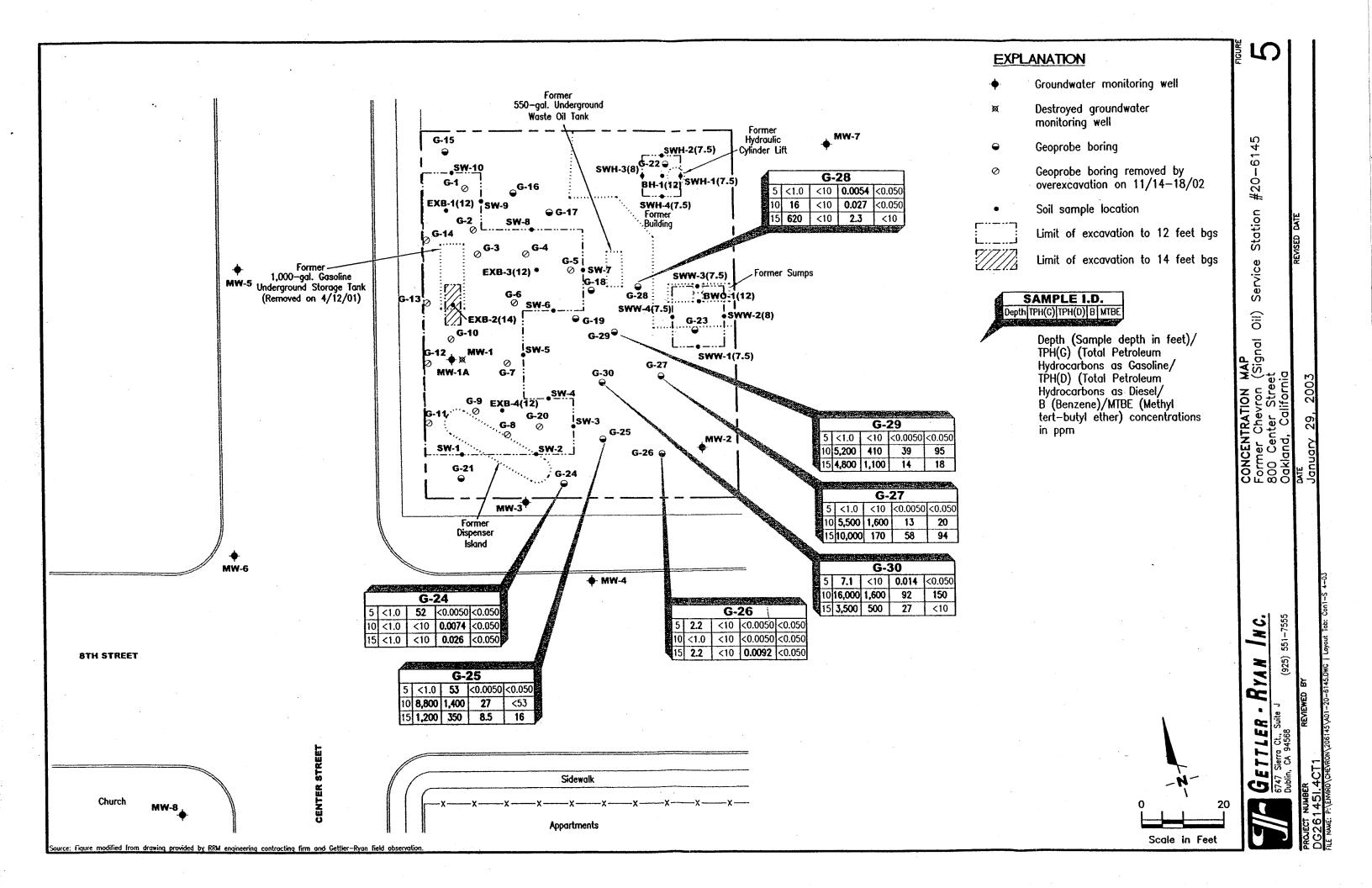
GROUNDWATER ELEVATION CONTOUR MAP, **JANUARY 28, 1998**

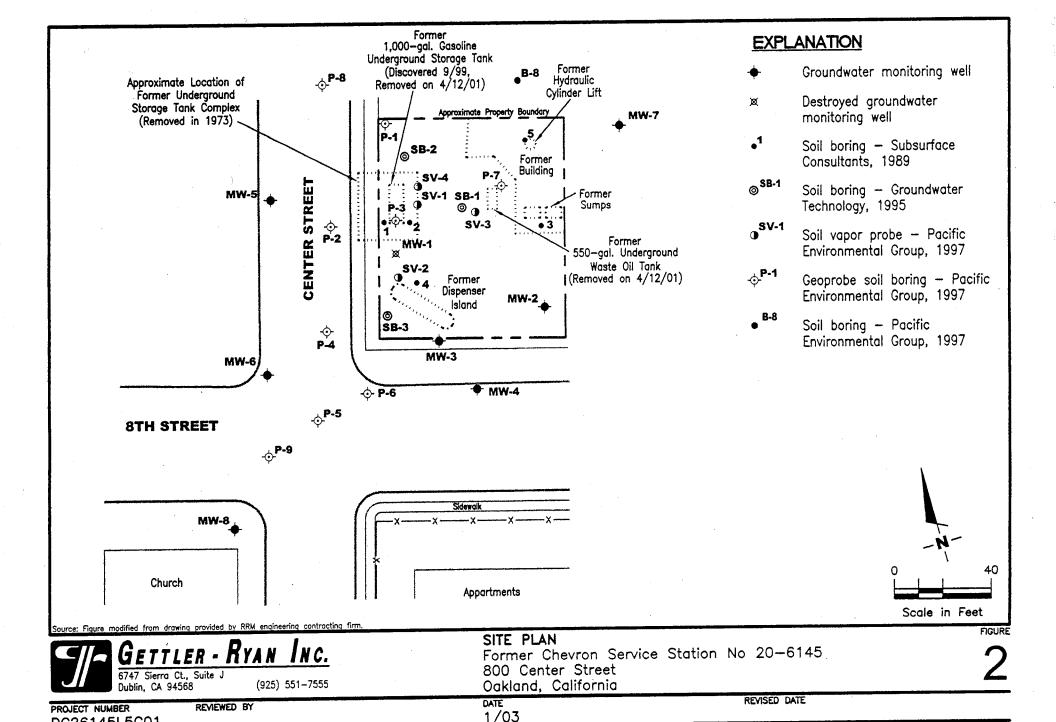
FIGURE:

PROJECT: DAC04



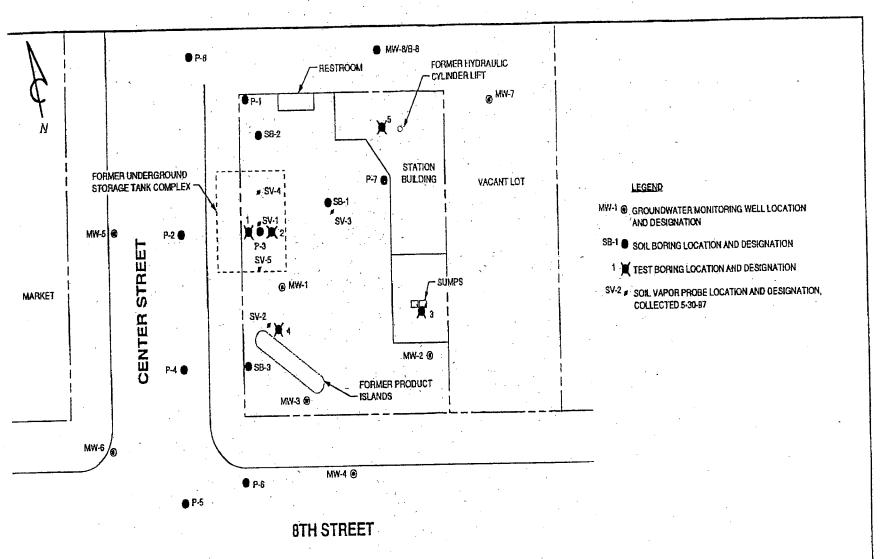






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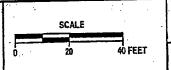
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SOURCE: MAP BY GROUNDWATER TECHNOLOGY; DATED: 3-7-95

PACIFIC ENVIRONMENTAL GROUP, INC.

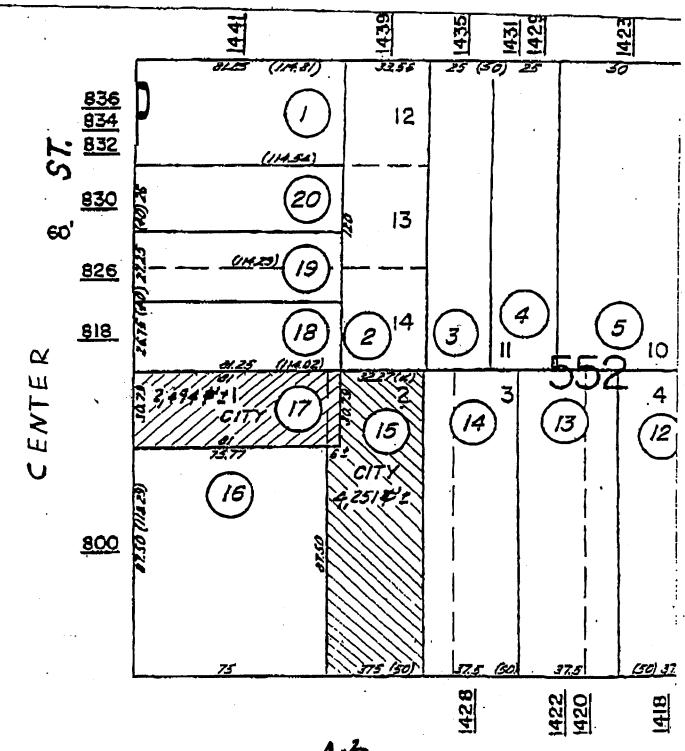


FORMER SIGNAL SERVICE STATION S0800 800 Center Street at 8th Street Oakland, California

FIGURE:

SITE MAP

PROJECT: 320-162.1C



8 7H DEVELOPMENT CMTE
MAR 2 3 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	Sample	Sample	TPHd	TPHg	В	T	Е	X
ID .	Date	Depth (fbg)		Concentration	s reported in mill	igrams per kil	ogram (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	< 0.00
MW-10	4/10/07	44.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.00
MW-10	4/10/07	49.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-10	4/10/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
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	<0.00
MW-11	4/9/07	14.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	19.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	24.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	29.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	34.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	<0.00
MW-12	4/10/07	39.5	<4.0	<1.0	<0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	44.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	49.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	59.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
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	< 0.0
MW-14	4/11/07	24.5	<4.0	1.2	< 0.0005	< 0.001	< 0.001	<0.0
MW-14	4/11/07	29.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	0.00
MW-14	4/11/07	34.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	0.00
MW-14	4/11/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	<0.0
MW-14	4/11/07	44.5	<4.0	2.1	0.0005	0.004	< 0.001	0.00
MW-14	4/11/07	49.5	<4.0	1.5	0.004	0.011	0.005	0.02 < 0.0
MW-14	4/11/07	54.5	<4.0	<1.0	<0.0005	<0.001 0.001	<0.001 <0.001	<0.0
MW-14	4/11/07	59.5	<4.0	<1.0	< 0.0005			
MW-17	4/13/07	9.5	710	7,300	7.2	330	150 0.002	650 0.00
MW-17	4/13/07	14.5	<4.0	1.5	0.003	0.002 0.004	0.002	0.00
	4/13/07	19.5	<4.0 <4.0	<1.0	<0.0005	0.004	< 0.002	<0.0
MW-17	4/40/0=		<4 ()	<1.0	< 0.0005	0.001	~0.001	
MW-17 MW-17	4/13/07	24.5			<0.000 <i>5</i>	በ በበኃ	<0.001	ህ ህ
MW-17 MW-17 MW-17	4/13/07	29.5	<4.0	<1.0	<0.0005	0.002	<0.001 <0.001	
MW-17 MW-17					<0.0005 <0.0005 <0.0005	0.002 0.001 0.003	<0.001 <0.001 <0.001	0.00 <0.0 0.0 0

CONESTOGA-ROVERS & ASSOCIATES

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

Sample	Sample	Sample	TPHd	TPHg	В	T	Е	X
ID	Date	Depth (fbg)		Concentration	ns reported in mi	lligrams per ki	logram (mg/kg)	ŀ
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

 \leq x = Not detected above method detection limit

Table 1.	Analytic l	Results for So	il - Former	Chevron Sta	tion 20-6145,	800 Center St	reet, Oakland,	California			·
Sample	Sample	Sample	TPHd	TPHg	В	T	Е	X	MTBE	1,2 DCA	EDB
ID	Date	Depth (fbg)			Concentra	tions reported in	milligrams per kilo	ogram - 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

0.005

< 0.001

0.002

0.004

0.001

< 0.001

0.001

< 0.001

< 0.001

0.001

< 0.001

< 0.001

0.005

< 0.001

0.002

0.005

0.001

< 0.001

< 0.0005

< 0.0005

< 0.0005

< 0.0005

< 0.0005

< 0.0005

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

< 0.001

CPT-4

CPT-4

CPT-4

CPT-4

CPT-4

CPT-4

10/8/04

10/8/04

10/8/04

10/8/04

10/8/04

10/8/04

14.5

20.5

25.5

29,5

35.5

40.5

<10.0

<10.0

<10.0

<10.0

<10.0

<10.0

<1.0

<1.0

<1.0

<1.0

<1.0

<1.0

< 0.0005

< 0.0005

< 0.0005

< 0.0005

< 0.0005

< 0.0005

Table 1.	Analytic R	esults for So	oil - Former	Chevron Stati	ion 20-6145	5, 800 Center Str	reet, Oakland	, California
Sample	Sample	Sample	TPHd	TPHg	В	Т	F	Y

ID CPT-5 1	Date			TPHg	В	Т	E	X	MTBE	1,2 DCA	EDB
CPT-5 1		Depth (fbg)			Concentra	tions reported in	milligrams per kil	ogram - mg/kg			
	10/11/04	5	<10.0	1.5	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	10/11/04	9.5	530	7,200	13	260	100	550	< 0.25	< 0.50	1.5
	10/11/04	15.5	<10.0	140	< 0.063	< 0.13	< 0.13	0.13	< 0.063	< 0.13	< 0.13
	0/11/04	25.5	22	7.6	0.081	0.75	0.12	0.74	< 0.0005	< 0.001	< 0.001
	0/11/04	29.5	<10.0	13	0.0005	0.005	0.002	0.01	< 0.0005	< 0.001	< 0.001
	0/11/04	35.5	<10.0	<1.0	< 0.0005	0.006	0.003	0.015	< 0.0005	< 0.001	< 0.001
	0/11/04	50.5	<10.0	4.8	< 0.0005	0.003	0.002	0.01	< 0.0005	< 0.001	< 0.001
CPT-5 10	.0/11/04	69.5	<10.0	<1.0	< 0.0005	0.001	< 0.001	0.001	< 0.0005	<0.001	< 0.001
	11/1/04	5	<10.0	2.8	< 0.0005	< 0.001	<0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	11/1/04	10	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	11/1/04	15	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	11/1/04	20	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-1 1	11/1/04	24.5	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	11/1/04	5 ·	450	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/1/04	10	67	<1.0	< 0.0005	0.002	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/1/04	15	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/1/04	20	13	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-2 1	1/1/04	24.5	<10.0	<1.0	< 0.0005	0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-3 1	1/1/04	10 ~	640	4,800	0.75	94	66	310	<0.63	<1.3	<1.3
	1/1/04	15	22	9.7	< 0.001	< 0.002	0.003	0.005	< 0.001	<0.002	< 0.002
	1/1/04	20	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-3 1	1/1/04	24.5	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	<0.001	< 0.001
	1/1/04	5	160	9.2	0.001	0.008	< 0.001	0.003	< 0.0005	< 0.001	< 0.001
	1/2/04	10	1,000	6,300	11	410	200	780	< 0.63	<1.3	<1.3
	1/2/04	15	<10.0	3.1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/2/04	20	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-4	1/2/04	24.5	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/1/04	. 5	160	1	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/2/04	10	330	2.3	< 0.0005	0.002	< 0.001	0.002	< 0.0005	< 0.001	< 0.001
	1/2/04	15	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
	1/2/04	20	<10.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001	< 0.0005	< 0.001	< 0.001
C-5 11	1/2/04	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	Sample	Sample	TPHd	TPHg	В	T	Е	X	MTBE	1,2 DCA	EDB
ID	Date	Depth (fbg)			Concentra	tions reported in	nilligrams per kil	ogram - 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 tions reported :-	E	X	MTBE	1,2 DCA	EDB
	Duto	Dopui (10g)			Concentra	mons reported in	milligrams per kil	ogram - 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	<0.001	<0.001
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	< 0.002	
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 <0.001
C-9	11/1/04	5	47	<4.0	<0.0005	0.003	<0.001	< 0.001	<0.0005		,
C-9	11/2/04	10	<10.0	<1.0	<0.0005	< 0.001	<0.001	<0.001		< 0.001	<0.001
C-9	11/2/04	15	<10.0	<1.0	<0.0005	0.001	< 0.001		<0.0005	<0.001	< 0.001
C-9	11/2/04	20	<10.0	<1.0	<0.0005	< 0.002		0.002	<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	<0.001 <0.001	<0.0005 <0.0005	<0.001 <0.001	<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</p>

fbg = Feet below grade

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

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

Sample	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
No.			3,000	0.95	46	52	240	<5.0	4.7
G-1(5)	6/21/2002	5.00		: 31	660	290	1,100	76	15.6
G-1(10)	6/21/2002	10	12,000	2.8	84	77	310	5.5	7.1
G-2(5)	6/21/2002	5	2,700	7.5	200	120	500	11	8.7
G-2(10)	6/21/2002	10	3,800	0.0059	0.049	0.016	0.057	< 0.050	5.8
G-3(5)	6/21/2002	5	<1.0	19	520	290	1,100	63	5.9
G-3(10)	6/21/2002	10	7,700	< 0.0050	0.021	0.0056	0.027	< 0.050	2.7
G-4(5)	6/21/2002	5	<1.0	3.5	140	120	480	6.2	7.4
G-4(10)	6/21/2002	10	3,300		0.041	0.022	0.064	< 0.050	4.3
G-5(5)	6/21/2002	5	7.1	<0.0050	0.58	0.62	2.4	0.094	9.7
G-5(10)	6/21/2002	10	45	0.062	0.0069	0.0054	0.022	< 0.050	3.5
G-6(5)	6/21/2002	5	<1.0	<0.0050	360	190	900	28	9.2
G-6(10)	6/21/2002	10	6,300	19	0.045	0.012	0.046	< 0.050	3.0
G-7(5)	6/21/2002	5	<1.0	0.0057		250	1,100	28	15.6
G-7(10)	6/21/2002	10	7,300	18	420 280	210	960	<20	5.6
G-8(5)	6/21/2002	5	7,100	8.4		470	1,900	150	12.3
G-8(10)	6/21/2002	10	16,000	69	1,100	57	350	<5.0	17.7
G-9(5)	6/21/2002	5	3,700	1.9	54		2,200	150	17.0
G-9(10)	6/21/2002	10	19,000	83	1,200	520	0.052	< 0.050	2.6
G-10(5)	6/21/2002	5	<1.0	0.014	0.073	0.012	270	<1.0	7.3
G-10(10)	6/21/2002	10	2,100	1.4	32	52	0.084	< 0.050	5.2
G-11(5)	6/21/2002	5	<1.0	< 0.0050	0.035	0.019	3.1	< 0.20	5.5
G-11(10)	6/21/2002	10	100	<0.080	0.43	0.53		<0.20	16.1
G-12(5)	6/21/2002	5	<1.0	< 0.0050	0.034	0.010	0.057	58	7.0
G-12(10)	6/21/2002	10	9,000	50	540	240	1,200	<0.050	7.5
G-13(5)	6/21/2002	5	<1.0	< 0.0050	0.0062	<0.0050	0.019	<0.030 70	6.2
G-13(10)	6/21/2002	10	12,000	56	600	290	1,400	70 19	5.2
G-13(10) G-14(5)	6/21/2002	5	3,900	<20	190	120	510	170	11.9
G-14(10)	6/21/2002	10	14,000	65	940	400	1,700	1/0	11.9

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145 800 Center Street

Oakland, California

	-	Sample			<u>.</u>	Ethyl-	Total	MATRIC	Total
Sample	Sample	Depth	TPHg	Benzene	Toluene	benzene	Xylenes	MTBE	Lead
No.	Date	(Feet)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(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
	6/21/2002	10	4,500	20	230	110	450	<5.0	5.8
G-19(10)	6/21/2002	5	1,700	3.2	31	30	140	< 5.0	4.3
G-20(5)	6/21/2002	10	6,900	26	360	200	860	<20	5.1
G-20(10)		5	<1.0	< 0.0050	0.016	< 0.0050	0.016	< 0.050	4.2
G-21(5) G-21(10)	6/21/2002 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 Mehtod 6010B

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

EXPLANATION:

ppm = parts per million

NR = Not Requested

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)	Ethyl- benzene (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

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

^{1 =} Composite Sample

TABLE 3 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

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

		Sample			Soluble	Total	Total	Total	Total	Total
Sample	Sample Date	Depths (in feet)	SVOC (ppm)	HVOC (ppm)	Lead ² (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
No. G-22(2.5,5,7.5,10) ¹		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

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

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

¹ = Composite Sample

² = STLC (soluble threshold limit concentration)

TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

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

 		Sample		mp **	n	77. l	Ethyl-	Total	MtBE
Sample	Sample	Depth	TPHd	TPHg	Benzene	Toluene	benzene	Xylenes	
No.	Date	(Feet)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(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	<531
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

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

EXPLANATION:

ppm = parts per million

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

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)	Ethyl- benzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)
Geoprobe Soil S	Samples								
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
Monitoring We	Il Soil Sample		·						
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

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

EXPLANATION:

ppm = parts per million

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

TABLE 2 - SOIL PHYSICAL PARAMETERS

Former Chevron Service Station 800 Center Street Oakland, California

		Sample	Moisture	·		Graii		
Sample	Sample	Depth	Content %	Porosity	Soil	Sand	Fii 9	
No.	Date	(in feet)		· · · · · · · · · · · · · · · · · · ·	pН	%		
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:

Ibs/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					Ethyl-	Total	
Sample	Sample	Depth	TPHg	TPHd	Benzene	Toluene	benzene	Xylenes	MTBE
No.	Date	(Feet)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
SAMPLES I	FROM SIDEWAL	LS OF OVER	EXCAVATION						
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)	Ethyl- benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
SAMPLES E	ROM BASE OF	OVEREXCAV	ATION						
EXB-1(12)	11/14/2002	12	4,000	1,100	25	230	87	380	59
•	11/15/2002	14	1,900	270	7.3	71	42	200	19
EXB-2(14)	11/16/2002	12	3,400	920	9.5	170	. 86	370	18
EXB-3(12)			6,900	1,100	22	310	150	640	36
EXB-4(12)	11/16/2002	12	0,900	1,100	22	210			

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

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

EXPLANATION:

ppm = parts per million

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	Sample	Sample Depth	ТРНто	TPHho
No.	Date	(feet)	(ppm)	(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
SAMPLE FROM B	ASE OF OVEREXCAVAT	ON		
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					
SAMPLE FROM	BASE OF OVER	REXCAVATI	<u>on</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)	Ethyl- benzene (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)
Gasoline US	ST Pit												
A-1	4/12/01	8 5	6301	10	4 4	15	48	<50	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
Waste Oil U	JST Pit												
WOT	4/12/01	8	101	0 0092	0 040	0 058	0 24	0 058	<103	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)

<u>Notes</u>

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 Dala

Formst Signal Service Station 0800 BOC Center Street at Eighth Street
Oakland, California

		44.6.3.		.Y					0-4
i		Sample	Total	ې Air کې	Waler			_	Soil
Sample	Sample	Depth 🐃	Porosil	Content of the conten	B onleni	Saturation	pН	Foc	Density
al	Date	feet 📆	BENEFIT OF		**************************************	%		<u> %</u>	g/cc
SV-1	5/30/97	2 5	44 75	泛流 36	₹ 39 8	19 67	6 31	NT	0 068
		6	39 5 2	123	1221	89 1	NT	NT	0 27
		8 5	N. T.	NÊ	NT WEST	NT	NT	0 12	N ⁻
		9 5	33 6	0 15	33 6	99 57	6 8	NT	0 26
SV-2	5/30/97	3	NT			NT	7 53	NT	N
٠. ٢		3.5	NT	NT	ALC: NT	NT NT	NT	0 083	N-
		9	NT	N		NT 🚓	NT	0 067	N ⁻
		10	34 02	0 95	33	97.24	क् _र ित 03	NT	0 25
SV-3	5/30/97	3 5	46	30	Ų.	4	Ž.	NT	0 12
Overall Av	eranes =		39 65	14 3	25 34	68 11	7 07	0 09	0 197
	ne Average (io 3 5 (eel) =	45 57*	33*	12.4*	27 34	6 99*	NT	0 097
	ne Average (43 4	23 4	20_	47 9	6 99	THEFT	0 156
NIT - NIGHT	aclad						******	- 35th	

NT = Not lested

Soil Density = Dry density x moisture %

g/cc = grams per cubic centimeter

Foc = Fraction of organic carbon

^{* =} These values were used to calculate the soil vapor model risk and the construction worker RBSL

Table 3
Analytical Soil Data

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

Soil Sample	Sample	Sample	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes
ID	Date	Depth	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
5V-1	5/30/97	3	<1,0	<0,005	005	<0.005	<0.005
		6	2,100	<2.5	46	57	300
		8.5	7,600	52	3,000	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	40,00 5	0.029	0.014	0.1
* 4		6	84	40.16	0.28	1.4	1.9
		9	2000	5.4	130	83	340
	f 100 107			₹6.005	0 005e	-0.00E	0.04
SV-4	5/30/97	3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		0.0058	<0.005	0.01
				<0.005	<0.005		<0.005
		9	10,000	86	470	210	960
SV-5	5/36/97	3.6		<0.005	<0.005	<0.005	<0.005
			×1.0	<0.005	<0.005	•	<0.005
		9	7,900	20	410		•
mg/kg = Main	ottoxotoxv	76775555	#18 Mar	20	410		1

TPH-g Total petroleum hydrocarbons calculated as gasoline

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

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

Well/		Sample	TPPH as			Ethyl-	
	D-1-	•		Donzono	Toluene	,	Yulonoo
Boring	Date	Depth	Gasoline	Benzene		benzene	Xylenes
Number	Sampled	(feet)	(ppm)	(ppm)	(ppm)	(ppm)	(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
ļ							
MW-7	12/18/96	5	<1.0	<0.0050	<0.0050	<0.0050	< 0.0050
ļ		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 pu	rgeable pet	roleum hydr	ocarbons			
ppm .	= Parts pe	r million			100		

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

	Sample	·	TPPH as		······································	Ethyl-		
Well	Depth	Date	Gasoline	Benzene	Toluene	benzene	Xylenes	MTBE
Number	(feet)	Sampled	(ppm)	(ppm)	(ppm)	(ppm)	(maa)	(ppm)
Р1	6	03/22/96	ND	ND	ND	ND	ИD	ND
l	10		510	ND	18	97	46	ND
	17		ND	ИD	ИD	0 008	0 009	ND
P 2	6	03/22/96	4 000	ND	120	71	330	ND
P3	10	03/22/96	13 000	38	780	280	1 400	ИD
l .	16		5 400	41	310	110	1 400	ND
1	20		260	37	21	62	27	ND
P 7	6	03/22/96	ND	ND	ND	ND	ND	ND
1	10		1	ND	ND	ND	ND	ND .
	15		13	ИD	0 31	0 15	0 71	ИD
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)*	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g⁵
10-17-95	MW-1-5	5	0 091	0 49	0 14	19 '	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	<10
10-17-95	MW-2-10	10	< 0 0050	<0 0050	<0 0050	<0 0050	<10
10-17-95	MW-3-5	5	<0 0050	<0 0050	<0 0050	<0 0050	<10
10-17-95	MW-3-10	10	0 24	0 010	0 016	0 019	<10
10-18-95	MW-4-5	5	<0 0050	<0 0050	<0 0050	<0 0050	<10
10-18-95	MW-4-10	10	<0 0050	<0 0050	<0 0050	<0 0050	<10
10-17-95	SB-1-5	5	0 34	12	12	13	87
10-17-95	SB-1-10	10	72	640	240	1,100	8,100
10-17-95	SB-2-5	5	0 19	48	5 1	26	240
10-17-95	SB-2-10	10	28	440	150	630	4,700
10-18-95	\$B-3-5	5	<0 0050	0 019	0 0087	0 049	<10
10-18-95	\$B-3-10	10	<0 0050	<0 0050	<0 0050	<0 0050	<10
10-18-95	COMP	N/A	0 036	15	0 75	3 2	13

feet below surface grade
 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)	Hydroc	etroleum arbons m) ¹ [Heck TEH ²]	Benzene (ppm)	Toluene (ppm)	Ethyl~ Benzene (ppm)	Total Xylenes (ppm)
/ 1	10	2100	6800	50	220	4 6	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)	Cadmı (ppm		omium opm)	Lead (ppm)	Zinc (ppm)
3	3.5	ND	0.7		17	18	19
5 ⁵	3.5	16,000	NT		18	NT	NT

¹ Parts per million

Table 2. GROUNDWATER ANALYSES

Boring No.	TVH (ppm)	TEH (ppm)	Benzene (ppm)	Toluene (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

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



ABORATORY NUMBER · 18154

CLIENT: SUBSURFACE CONSULTANTS

JOB NUMBER: 272 012

OB 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		TOLUENE	ETHYL BENZENE	TOTAL XYLENES
					(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
18154-4 18154-5 18154-6 18154-7	BORING BORING BORING BORING	1 2	6	7	2,100 2,400 4,100 31,000	50 32 50 500	220 200 450 2,800	46 60 130 760	240 290 540 3,700
18154-8 18154-9 18154-11 18154-12	BORING BORING BORING	3 3 4	69	10.5 12.5 7.5	100 950 5,400 5,800	ND(1) ND(5) 57 92	2 44 250 360	2 32 140 1,100	7 130 610 670

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	6	10	6,800	ND(100)	ND(100)	ND(100)	
18154-6	BORING	2	6	7	14,000	ND(100)	ND(100)	ND(100)	
18154-8	BORING	3	9	10.5	ND(10)	ND(10)	ND(10)	ND(10)	
18154-9	BORING	3	e e	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	9	7.5	5,100	ND(100)	ND(100)	ND(100)	

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference

Spike: % Recovery

11 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, %

RPD, %
RECOVERY, %

82

Table 2 Physical Soil Data

Former Signal Service Station 0800 806 Center Street at Eighth Street Oakland, California

			6 433	۶					
		Sample	Total 🦽	Air	Waler				Soil
Sample	Sample	Depth 🐪	Porosily C	ontect	Sonlent	Saturation	pΗ	Foc	Density
ID	Date	feet		All I	**************************************	%		%	g/cc
SV-1	5/30/97	2.5	44.75	36	9.8	19.67	6.31	NT	0.06
•		6	39.52	3	<i>3</i> 21	89.1	NT	NT	0.27
	*	8,5	N.	NTO	NT	NT	NT	0.12	N
		9,5	33.6	0.15	33.6	99.57	6.8	NT	0.20
SV-2	5/30/97	3	NT	(NT	NT	NT	7.53	NT	N.
		3.5	NT	NT	NΤ	NT	NT	0.083	N'
		9	NT	N	No.	NT A	NT	0.067	, N
		10	34.02	0.95	33.1	97.24	7.03	NT.	0.25
SV-3	5/30/97	3.5	46	30	18	28 M	7.0	NT	0.12
Overali Av	erages =		39.65	14.3	25.34	68.11	7.07	0.09	0.19
/adose Zo	ne Average (to 3.5 feet) = '	45.57*	33*	12.4*	27.34	6,99*	NT NT	0.097
/adose Zo	ne Average (to 6 feet) =	. 43.4	23.4	20	47.9	6.99	TIME	0.15
JT = Nol I	halze								

Soil Density = Dry density x moisture %

g/cc = grams per cubic centimeter

Foc = Fraction of organic carbon

^{* =} These values were used to calculate the soil vapor model risk and the construction worker RBSL

ATTACHMENT D Groundwater Analytical Data

CONESTOGA-ROVERS & ASSOCIATES

Table 1. Analytic Results for Groundwater - Former Signal Oil Service Station 20-6145

Sample	Sample	Interval	TPHd	TPHg	В	T	Е	X
ID	Date	(fbg)		Concentration	ns reported in	micrograms per	liter (µg/l)	
MW-9	04/20/07	35-40	1,100	4,100	28	6.9	9.2	240
11211	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
11111	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
171 17 11	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
IVI VV - 1 Z	06/22/07	33 00	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
141 44 - 12	06/22/07	33 10	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
171 77 1-1	06/22/07	20	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
141 44 13	06/22/07	55 15	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
11111 10	06/22/07	00 00	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
,A18 11 A./	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

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

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

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

fbg = feet below grade

 $<_X$ = Not detected above method detection limit

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

Sample	Sample	Sample	TPHd	TPHg	В	T	Е	X	MTBE	1,2 DCA	EDB
ID_	Date	Depth (fbg)				Concentration	s reported in mi	icrograms per lit	er (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 Dala

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

Sample	Sample	Samo	Benzene	oluene Ætl	hylbenzene	Xylenes	TPH-g	.02	COz
ID	Date `	Depth	_ (μg/L).	(μg/\ <i>A</i>	-	(μg/L)	(μg/L)	%	. %
SV-1	5/30/97	3	0.17	4.1.6	0.75	5.3	360	20.97	8,0
		6	65	320	84	430	50,000	18.97	1.0
		9	32	196	340	1,400	24,000	20.97	0.0
SV-2	5/30/97	3	NĎ	0.11	0.11	0,53	11	15.97	6.0
		6	22	100	19	66	27,000	18.97	2.2
		9	NT	ANT .		NT	NT	20.97	0.1
SV-3	5/30/97	3	ND	0.54	1.6	12,	180	. NT	N
		6	ND	0.42	Ů.	5.7	83	NT	N
		- B	6.5	54	(30)	44	\$ 400	NT	N
SV-4	5/30/97	· 3·	ND	0.034	0.17	0.48	714	NT.	N
	2, 22, 23	6	ND	0.08	0.48	1.4	🌦 270 ⁷	NT NT	N
	•.	9	17	150	36	160	5,400	UT	N
SV-5	5/30/97	3	ND	0.015	0.009	0.071		N	N
		6	0.84	6.1	0.79	3.3	460	. NT	N
		9	11	84	24	110	A 400	NT	N

μg/L = Micrograms per liter
TPH-g = Total petroleum hydrocarbons calculated as gasoline

O₁ = Oxygen

CO₂ = Carbon dioxide

Figuré 3: SV-1 Soil Vapor Data

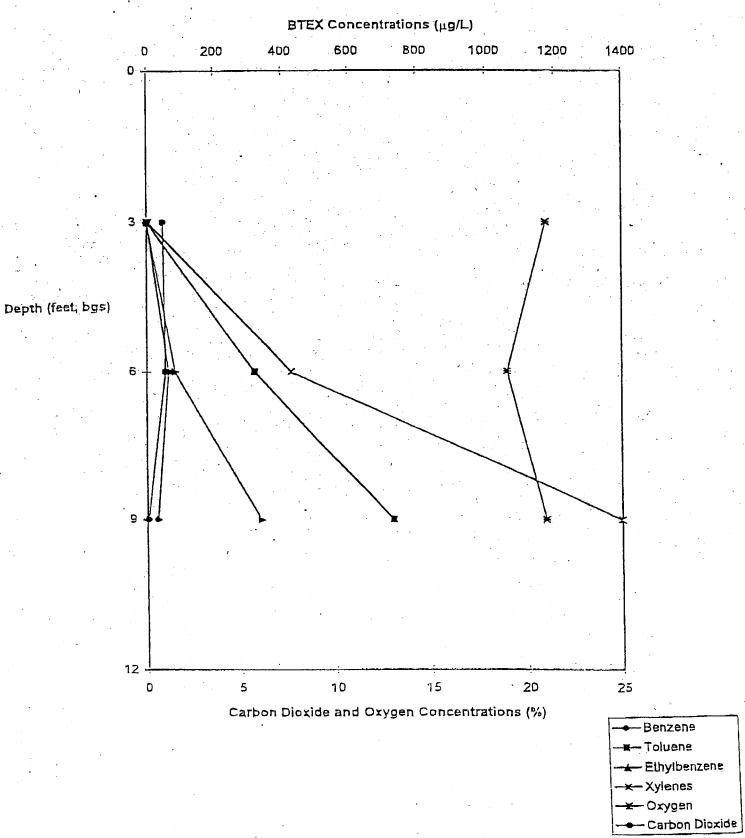


Figure 4: SV-2 Soil Vapor Data

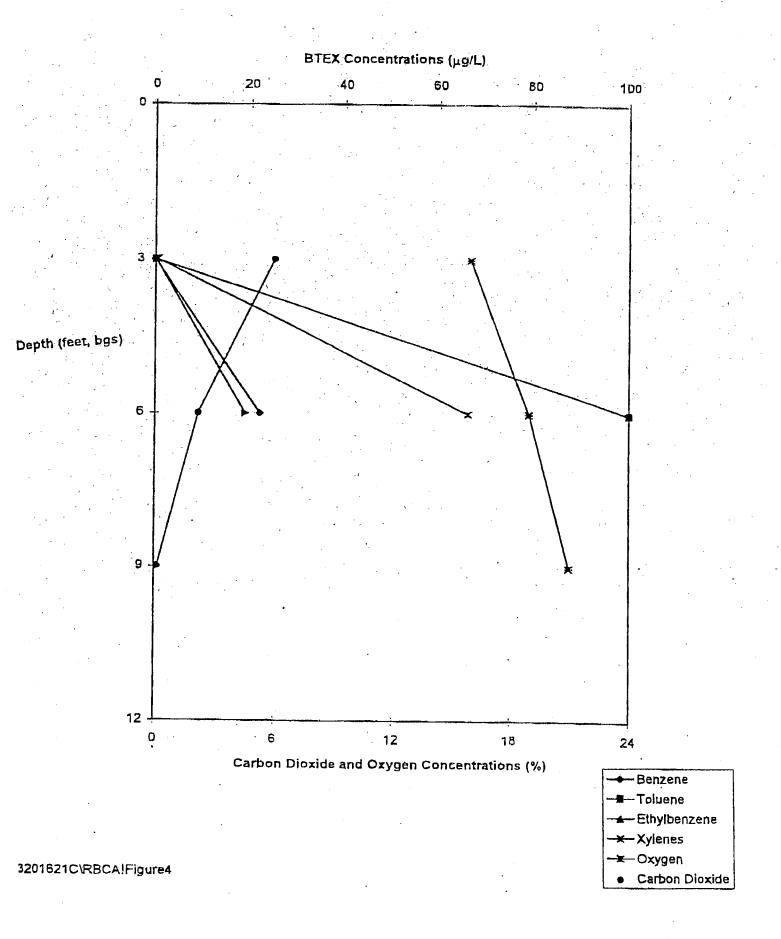


Figure 5: SV-3 Soil Vapor Data

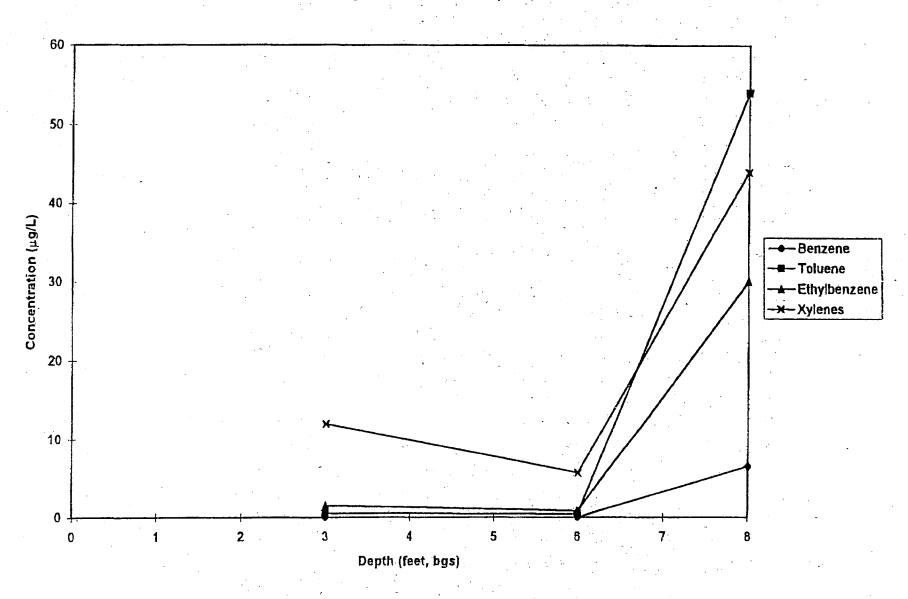


Figure 6: SV-4 Soil Vapor Data

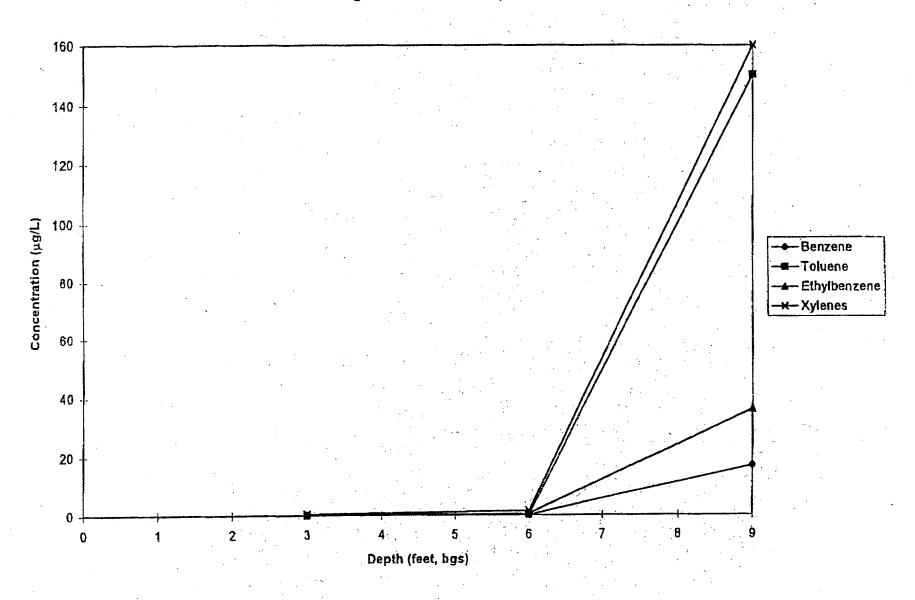
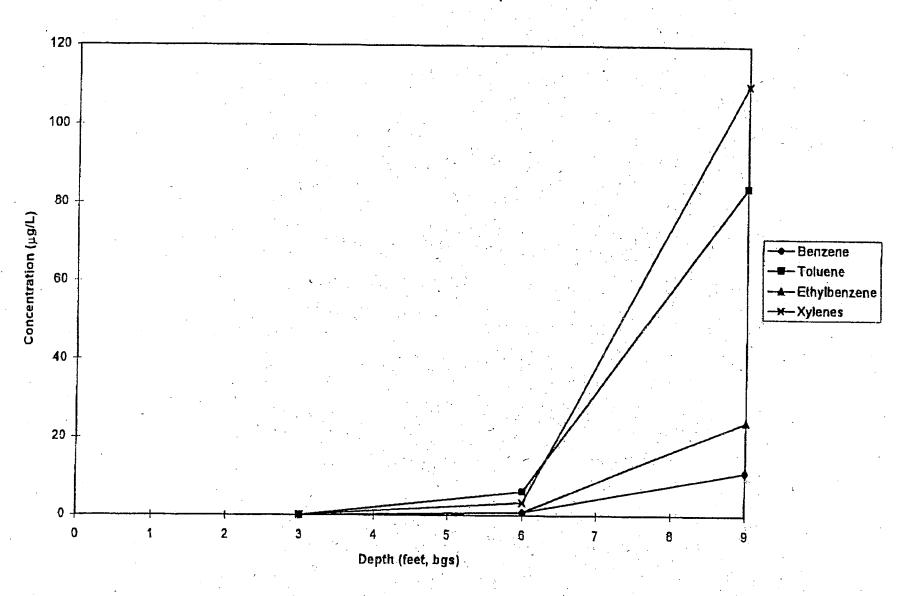


Figure 7: SV-5 Soil Vapor Data



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

FROM:

Deanna L. Harding

Project Coordinator Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568 CC: Mr. Satya Sinha

Chevron Environmental

Management Company

P.O. Box 6012, Room K2256

San Ramon, California 94583

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 <u>your use</u> and <u>distribution to the following (via PDF):</u>

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:

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

	•				WELL (CONDITIO	UTATE NO	s sh	EET			٠		
Client/Facility #:	Chevron	#206145	·			1		3864		· - -	/ -	·		
Site Address:		er Street					Event Date:		8	י <i>רון י</i> עצ	107			
City:	Oakland	, CA					Sampler:							
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)	REPL LOG Y /	ck	REPLA CAI Y / I	P	·	WELL VAULT Ifacture/Size/ # of Bolts	Pictures Taken Yes / No
m. 7	1 61:					ļ)			1		10	em co	
mw-7	010						<u> </u>		1	1			" emis	h
mw-11	010						-		† <u> </u>			-		N
mw-12							-							N
MW-1	7 616						, ,	-						N
MW-16	614						-					0	/	N
mw-15	011 -						7					<u> </u>		N
mw-2	occ	-		<u> </u>			1 7.						Morrism	N
mw-4	ok			1			/		<u>/</u>	\	\angle	ļ	•	
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				-	<u> </u>					1				
							1	+-		+				
										+		+		

Comments	• •

WELL CONDITION STATUS SHEET

		WELL CONDITION STATES CITED	
Client/Facility		Job# 386492	
#:	Chevron #206145	= 171	•
Cito Address:	800 Center Street	Event Date: Y(1)	
Sile Address.		Sampler:	
City:	Oakland, CA		

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
nw-8	Ø)c		7	(-5	ox		7	N	 	Morrison 6-2	
	25/C =		-2	1-5	0/2		9	N	\\ \		
MW-6 MW-5		-	101	2-3	or		2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	W_	Emco-12"-2	
1W-10	1						2	N	\(\mu\)		
NW-9								1	+ - 7		
MW-13	010				·			1 1	1		
14-14	DE						7	1 ~	1	Morrison - 61-2	
M-1A	010	-		2-B.	10		1-3	12	1	Bout Conyear	
MW-3	ok	m	8000		01c		1				
· 	<u> </u>										
	<u> </u>										
											-
	-	-									
· · · · · ·				-							

	·		
Comments_			
			
			
		·	



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.

No. 6882

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)

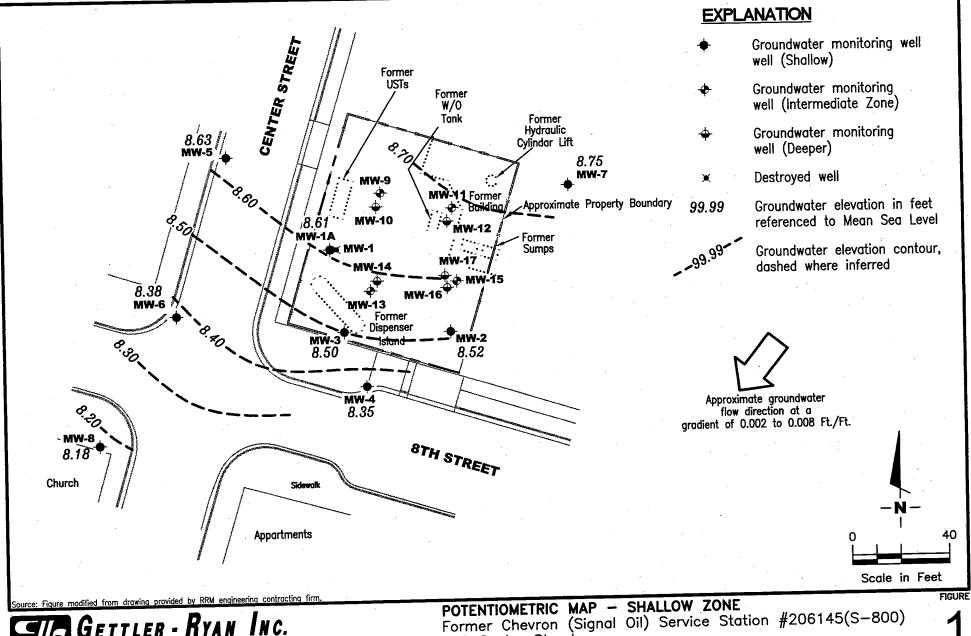
Table 1: Groundwater Monitoring Data and Analytical Results

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

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



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

PROJECT NUMBER

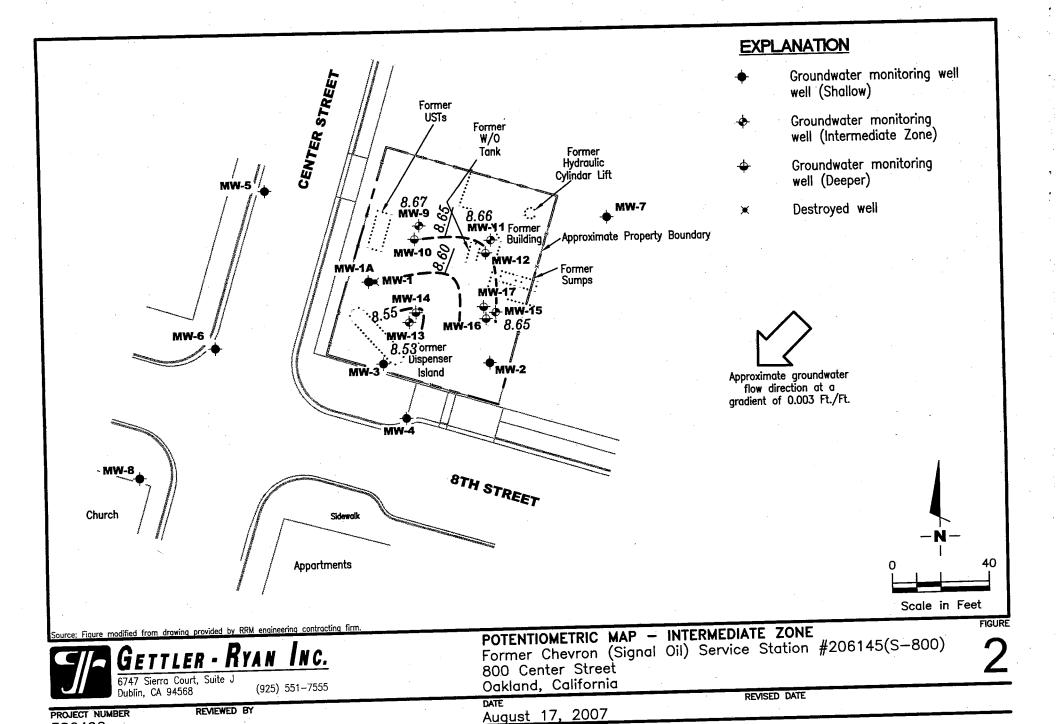
REVIEWED BY

DATE August 17, 2007

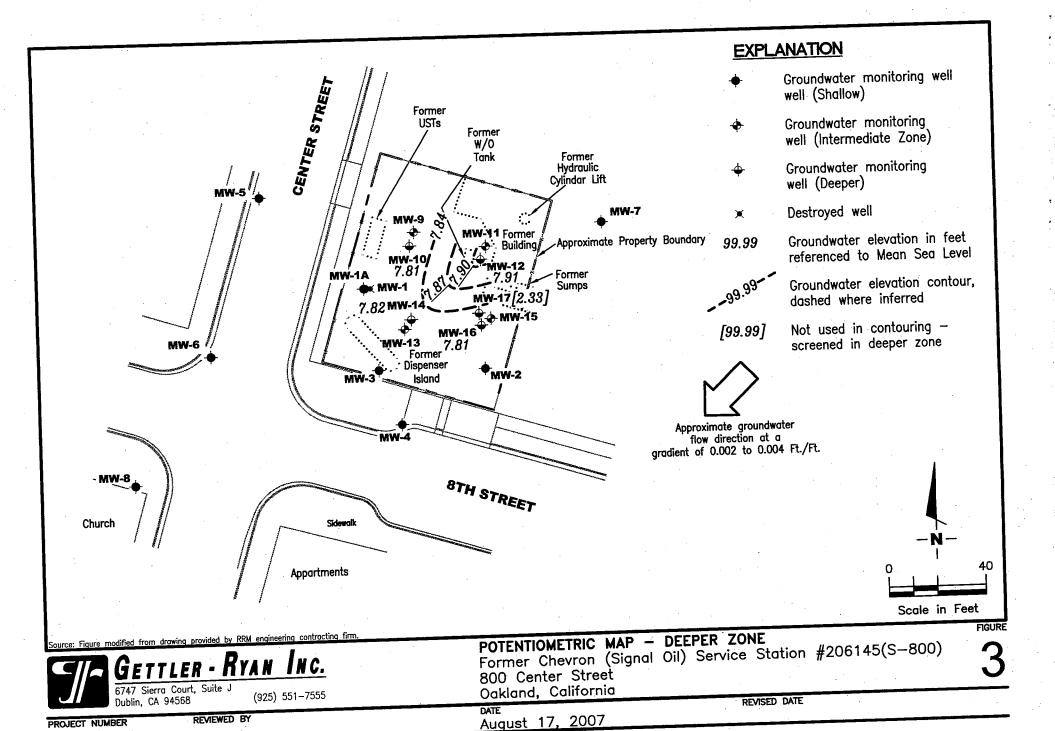
800 Center Street

Oakland, California

REVISED DATE



386492
FILE NAME: P:\Enviro\Chevron\206145\Q07-20-6145.D\G | Layout Tab: Pot3-IZ



386492
FILE NAME: P:\Enviro\Chevron\206145\Q07-20-6145.D\G | 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

					Oakland, 0				X	MTBE	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E (ppb)	X (ppb)	(ppb)	(cfu/ml)
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(PPV)	(PFO)	A CONTRACTOR OF THE PARTY OF TH	<u> </u>
MW-1A								66	480	<10	
02/24-25/03	15.49	8.17	7.32	4,600	5,100	92	340	72	450	<13	
06/02/03	15.49	7.15	8.34	5,500	3,800	150	490		760	47	
09/02/03	15.49	6.10	9.39	10,000	6,200	100	580	110	240	<10	
11/21/03	15.49	5.29	10.20	3,800	3,200	29	150	49	30	<2.5	
02/27/04	15.49	9.87	5.62	2,800	280	9.7	19	3.0	30 140	17	
05/28/04	15.49	6.88	8.61	5,500	1,100	35	. 81	27		<2.5	
	15.49	5.58	9.91	4,500	1,100	13	68	27	110	<2.5	
08/31/04	15.49	7.09	8.40	2,300°	560	8.0	17	9.6	36	<2.5 <2.5	
12/17/04	15.49	10.36	5.13	340°	87	16	4.2	3.3	11	5.3	
03/28/05	15.49	9.69	5.80	6,400°	260	26	3.7	7.7	13		
06/09/05		6.70	8.79	1,100°,p,q	440	38	7.8	9.4	17	<2.5	
08/19/05	15.49		9.24	1,300°,q	450	11.	12	17	22	<2.5	
11/18/05	15.49	6.25	4.98	2,300°	150	33	1.6	3.4	2.7	<2.5	
03/07/06	15.49	10.51	6.47	2,500°	110	18	< 0.5	0.7	<1.5	<2.5	
05/17/06	15.49	9.02		3,600°	420	24	0.7	8.1	9.2	<10	
08/30/06	15.49	5.68	9.81	2,900°	220	8.6	2.7	6.1	9.3	<2.5	
11/28/06	15.49	5.79	9.70	2,900° 1,500°	230	19	< 0.5	1.8	2.7	<2.5	
02/06/07	18.11	8.83	9.28	1,300°	190	16	< 0.5	1	1.8	<2.5	
05/02/07	18.11	9.83	8.28		160	2.5	0.8	2.0	2.7	<2.5	
08/17/07	18.11	8.61	9.50	1,100°	100						
										•	
MW-2							<0.5	<0.5	<0.5	: 	
10/27/95	15.77	10.60	5.17		<50	< 0.5	<0.5	<0.5	<0.5	<2.5	
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	<2.5	
01/28/98	15.72	9.21	6.51		<50	< 0.5	< 0.5	<0.5	~0. 5		·
	15.72	8.82	6.90		SAMPLED A	NNUALLY					 .
05/11/98	15.72	7.37	8.35				 ·				1.9×10^{1}
07/16/98	15.72	7.03	8.69			·				. 	3.0×10^2
08/04/98 ^a	15.72	6.44	9.28	·							8.8×10^{2}
09/03/98 ^a		5.51	10.21						-		0.0 X 1U
10/21/98 ^b	15.72	5.60	10.12	<u> </u>			 ,		 ^ -		
11/04/98	15.72		8.85		<50	< 0.5	< 0.5	<0.5	<0.5	<2.0	
01/26/99	15.72	6.87 8.20	7.52			·		· ·	·		
05/06/99	15.72	8.20	1.52						•		A 609/17/07

Table 1

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

800 Center Street

Oakland, California

4 W. C.					Oakiana,			.,,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	Ţ	E	X	MTBE	CUB
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(cfu/ml)
									•		
MW-2 (cont) 08/21/99	15.72	13.21	2.51	 .					, ••	 '	· · · · · .
10/28/99	15.72	6.35	9.37			·					
		7.25	8.47		<50	<0.5	0.541	< 0.5	< 0.5	<2.5	 ' .
01/31/00	15.72	7.23 7.65	8.07					·			'
05/19/00	15.72		9.37		<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5/<2.0 ^f	
08/07/00	15.72	6.35 5.60	10.12		<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<2.50	
12/01/00	15.72		9.67		<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5	
02/09/01	15.72	6.05 6.73	9.07 8.99	 	<50	<0.50	< 0.50	< 0.50	< 0.50	<2.5	
05/29/01	15.72		8.99 10.04		<50	< 0.50	< 0.50	< 0.50	< 0.50	/<5.0 ^f	 ,
08/27/01 ^h	15.72	5.68	9.86				UFFICIENT WA			 .	
11/28/01	15.72	5.86	7.83		<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	.··
02/14/02	15.69	7.86			<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						
11/30/02	15.69	DRY	 7.65	140	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	-
02/24-25/031	15.69	8.04	7.65		<50 <50	<0.5	<0.5	<0.5	<1.5	<2.5	
06/02/03	15.69	7.33	8.36	150 ^m	<50 <50	<0.5	<0.5	<0.5	<1.5	<2.5	<u> </u>
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 <50	<0.5	<0.5	<0.5	<1.5	<2.5	
08/31/04	ⁿ	n	10.30	180 ^m 77°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
12/17/04	ⁿ	n	8.91		<50	<0.5	0.5	<0.5	<1.5	<2.5	••
03/28/05	ⁿ	n	6.51	<50° 53°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
06/09/05	ⁿ	"	7.09		<50	<0.5	<0.5	<0.5	<1.5	<2.5	
08/19/05	n	n	9.27	<50°,p	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
11/18/05	ⁿ	n	9.66	<50°	<50 <50	<0.5	<0.5	<0.5	<1.5	<2.5	
03/07/06	ⁿ	_n	6.75	<50°	<50 <50	<0.5	<0.5	<0.5	<1.5	<2.5	
05/17/06	n	n	7.09	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
08/30/06	, - n	ⁿ	9.03	640°	<50 <50	<0.5 <0.5	<0.5	<0.5	<1.5	<2.5	
11/28/06	ⁿ	n	10.02	560°		<0.5 <0.5	<0.5	<0.5	<1.5	<2.5	
02/06/07	18.40	8.72	9.68	200°	<50	<0.5 <0.5	<0.5	<0.5	<1.5	<2.5	·
05/02/07	18.40	9.71	8.69	480°	< 5 0		<0.5	<0.5	<1.5	<2.5	
08/17/07	18.40	8.52	9.88	1,000°	<50	<0.5	<0.5	~0.5	. ~1	-20-0	

Table 1

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

800 Center Street

Oakland, California

					Oakland, C		T	E	X	MTBE	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В		(ppb)	(ppb)	(ppb)	(cfu/ml)
DATE	(ft.)	(mst)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(PPO)	The state of the s		
						a I		2 200	4,200	·	. .
MW-3	15.46	10.37	5.09		33,000	11,000	1,700	2,300	5.9	<5.0	
10/27/95	15.42	8.37	7.05		260	56	<1.0	7.6	75	74	
02/20/97	15.42	7.29	8.13		1,400	310	28	76 2.700	4,200	2,500	·
04/24/97	15.42	5.84	9.58		37,000	10,000	1,500	2,700	3,100	2,500	
07/23/97	15.42	5.09	10.33		53,000	12,000	1,200	3,000	3.9	10	
10/29/97	15.42	8.94	6.48		210	43	1.5	1.7	<0.5	<2.5	
01/28/98	15.42	8.49	6.93		59	11	<0.5	2.1	5.7	<10	·
05/11/98	15.42	7.14	8.28		260	90	4.8	18	•		8.5×10^2
07/16/98	15.42	6.88	8.54			, 		 .		 	2.4×10^3
08/04/98 ^a		6.34	9.08							 	6.0×10^{1}
09/03/98 ^a	15.42	5.62	9.80							<250	0.0 X 10
10/21/98 ^b	15.42	5.60	9.82		73,000	17,000	3,800	4,900	8,100	715/<500°	
11/04/98	15.42	6.70	8.72		32,400	10,200	1,850	2,650	3,140		
01/26/99	15.42	7.97	7.45		3,160	668	89.6	180	123	<200/<10°	
05/06/99	15.42		7.47	·	53,800	9,700	2,040	2,880	5,000	<1,250/<40°	
08/21/99	15.42	7.95	10.05		71,300	14,000	3,420	4,320	8,360	<1,000	
10/28/99	15.42	5.37	8.26		1,650	496	49.1	134	82.6	<12.5	
01/31/00	15.42	7.16			110°	. 36	2.5	9.1	4.0	6.3	
05/19/00	15.42	7.60	7.82		36.000e	9,000	3,000	2,700	2,800	2,500/<10 ^f	.
08/07/00	15.42	6.29	9.13		NOT SAMPLE	D DUE TO INS	UFFICIENT WA	ATER			 .
12/01/00	15.42	2.45	12.97		32,000 ^e	11,000	3,900	3,200	4,800	3,200/<2.0 ^f	 ,
02/09/01	15.42	5.98	9.44	·	13,000	4,200	2,000	1,800	1,500	74/<2.0 ^f	
05/29/01	15.42	6.65	8.77	- -	40,000	7,600	2,800	2,500	2,700	/<25 ^f	
08/27/01 ^h	15.42	5.70	9.72	·	57,000	10,000	2,900	2,900	2,800	<250/<5.0 ^f	
11/28/01	15.42	5.77	9.65		51	2.9	< 0.50	1.9	1.8	<2.5/<2 ^f	
02/14/02	15.40	7.73	7.67		4,100	910	250	210	240	<20/<2 ^f	·
05/15/02	15.40	7.05	8.35		58,000	11,000	4,300	3,400	4,000	<250/<10 ^f	
08/05/02	15.40	5.96	9.44	. 	46,000	13,000	2,900	3,700	2,600	<100/<10 ^f	 .
11/30/02	15.40	5.14	10.26	4.500	52,000	9,600	4,800	2,900	4,100	<130	
02/24-25/031	15.40	7.89	7.51	4,500	67,000	11,000	9,600	3,400	5,700	<250	
06/02/03	15.40	7.24	8.16	6,500	73,000	8,900	10,000	3,600	7,000	300	•
09/02/03	15.40	5.89	9.51	10,000	29,000	3,300	3,200	1,200	1,500	<200	
11/21/03	15.40	5.17	10.23	8,000	29,000 59	8.2	6.3	1.7	6.8	<2.5	
02/27/04	15.40	8.84	6.56	200	18,000	2,600	970	1,600	950	<100	
05/28/04	15.40	6.57	8.83	5,400	58,000	3,200	9,600	2,800	7,500	< 50	
08/31/04	15.40	5.41	9.99	9,100	23,000	1,100	2,100	1,200	2,600	<25	
12/17/04	15.40	6.81	8.59	2,200°	23,000	1,100	. ,				As of 08/17/07

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

800 Center Street

					Oakianu, C		T	E	X	MTBE	CUB
WELL ID/	TOC*		DTW	TPH-D	TPH-G	B (ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(cfu/ml)
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	фрој					
MW-3 (cont)						1.500	10,000	2,600	7,300	<130	
03/28/05	15.40	9.29	6.11	3,200°	43,000	1,500	7,000	2,100	4,800	190	_ _
06/09/05	15.40	8.65	6.75	7,800°	38,000	980	14,000	3,400	9,600	<130	·
08/19/05	15.40	6.43	8.97	5,000°,p,r	75,000	1,500	14,000	3,600	9,700	380	'
11/18/05	15.40	5.95	9.45	3,900°,r	72,000	1,400	2,300	820	2,000	<100	
03/07/06	15.40	9.05	6.35	1,100°	15,000	280	8,100	2,900	8,100	410	
05/17/06	15.40	8.57	6.83	4,400°	57,000	650	7,600	4,100	10,000	550	
08/30/06	15.40	5.44	9.96	4,300°	54,000	540		3,800	5,800	<1,000	
11/28/06	15.40	5.62	9.78	4,400°	43,000	260	3,400	3,400	6,400	<500	
02/06/07	18.07	8.70	9.37	5,000°	43,000	290	6,200	3,800	6,500	< 500	· <u></u>
05/02/07	18.07	9.67	8.40	4,500°	43,000	290	4,100	3,800	5,600	310	:
03/02/07	18.07	8.50	9.57	4,900°	46,000	240	1,900	3,000	2,000		
08/1//0/	*****	•									
MW-4							<0.5	<0.5	<0.5		·
10/27/95	14.45	9.37	5.08		66	6.8	<0.5	<0.5	7.4	39	·
02/20/97	14.40	8.12	6.28		54	< 0.5	<0.5	0.65	3.0	100	<u></u>
04/24/97	14.40	7.29	7.11		54	1.4		< 0.5	< 0.5	<2.5	
07/23/97	14.40	5.80	8.60		<50	< 0.5	<0.5			 '	
10/29/97	14.40	5.74	8.66				0.70	<0.5	< 0.5	< 2.5	
	14.40	4.97	9.43		< 50	<0.5	0.79	<0.5	<0.5	<2.5	
11/13/97	14.40	8.88	5.52		< 50	<0.5	< 0.5	~0.3 		-	
01/28/98	14.40	8.40	6.00		SAMPLED BI	ANNUALLY		<0.5	<0.5	<5.0	
05/11/98	14.40	7.08	7.32		<50	< 0.5	<0.5				1.8×10^4
07/16/98	14.40	6.28	8.12								1.4×10^4
08/04/98 ^a	14.40	6.32	8.08						·		8.6×10^4
09/03/98 ^a	14.40	5.64	8.76		, 	- -		.	- -		
10/21/98 ^b	14.40	5.61	8.79			÷		<0.5	<0.5	<2.0	
11/04/98	14.40	6.71	7.69		< 50	<0.5	< 0.5				. =-
01/26/99	14.40	8.15	6.25					 -0.5	 <0.5	<5.0	
05/06/99		8.13	6.27	_ 	<50	<0.5	<0.5	<0.5	·		
08/21/99	14.40	4.14	10.26		 .	 ,	<u></u>		<0.5	<2.5	
10/28/99	14.40	7.07	7.33		<50	< 0.5	<0.5	<0.5			
01/31/00	14.40		6.88						-0.50	-2 =1-2 OF	
05/19/00	14.40	7.52			<50	4.3	0.60	< 0.50	< 0.50	<2.5/<2.0 ^f	
08/07/00	14.40	6.23	8.17							. 	
12/01/00	14.40	INACCESSIBLE				 '					
02/09/01	14.40	INACCESSIBLE									Ac of 08/17/07

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

800 Center Street

									X. X.	MTBE	CUB
DECEMBER OF STREET	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E (ppb)	X (ppb)	(ppb)	(cfu/ml)
Y4. 22 C. 3. 2.		(mst)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(PPO)	······································		
DATE	(ft.)	(mai)	······································								
MW-4 (cont)			# 00°		NOT SAMPLEI	DUE TO INSU	JFFICIENT WA	TER			
05/29/01	14.40	6.58	7.82	 ·	NOT SAMPLEI	DUE TO INSU	JFFICIENT WA	TER			
08/27/01	14.40	6.52	7.88			*		~-			
11/28/01	14.40	DRY	·		<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2 ^f	
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			·					
08/05/02	14.37	DRY							 .	 ,	
11/30/02	14.37	DRY			 <50	8.0	< 0.50	< 0.50	<1.5	<2.5	
02/24-25/031	14.37	7.77	6.60	200	<50	4.3	< 0.5	< 0.5	<1.5	<2.5	
06/02/03	14.37	7.11	7.26	300		4.3	<0.5	< 0.5	<1.5	<2.5	
09/02/03	14.37	5.80	8.57	410	51	25	0.6	1.5	<1.5	<2.5	 .
11/21/03	_n	n .	10.24	560	110	< 0.5	<0.5	< 0.5	<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	<1.5	<2.5	
12/17/04	_n	n	7.67	390°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
	n	n	5.32	<50°	<50	< 0.5	<0.5	<0.5	<1.5	<2.5	
03/28/05	n	_n	6.70	120°	90	<0.5	<0.5	<0.5	<1.5	<2.5	·
06/09/05	n	n	8.03	190°,p,q	200	<0.5	<0.5	0.8	<1.5	<2.5	
08/19/05	n	n	9.43	310°,t	230	2.7	<0.5 <0.5	<0.5	<1.5	<2.5	
11/18/05	n	n	5.55	230°	<50	<0.5		<0.5	<1.5	< 2.5	
03/07/06	n	n	5.89	150°	< 50	<0.5	<0.5	<2.5	<7.5	< 50	
05/17/06	n	n	7.71	380°	1,300	47	<2.5	3.4	<5.0	<20	
08/30/06		 _n	8.75	1,800°	1,200	36	1.1		170 ^u	210 ^u	·
11/28/06	n	8.58	8.40	1,600°	13,000 ^u	3,700 ^u	60 ^u	880 ^u 0.9	1.6	<50	· · ·
02/06/07	16.98	9.53	7.45	170°	1,400	170	0.6		<10	30	
05/02/07	16.98		8.63	1,600°	4,700	870	3.8	49	~10	50	
08/17/07	16.98	8.35	0.03	1,000							
										•	
									<0.5		
MW-5	•				<50	< 0.5	<0.5	< 0.5	•		
01/03/97			 E			·		- -		 	
02/20/97	15.03	INACCESSIBL								<2.5	
04/24/97	15.03	INACCESSIBL		_ 	<50	< 0.5	< 0.5	<0.5	< 0.5	~2.3	
04/30/97	15.03	7.06	7.97			-		; 		· .	. · · · · · · · · · · · · · · · · · · ·
07/23/97	15.03	INACCESSIBL			 	· · · ·	-	. 	 _		
10/29/97	15.03	INACCESSIBL	Æ		<50	< 0.5	< 0.5	<0.5	<0.5	<2.5	
01/28/98	15.03	8.83	6.20								As of 08/17/07

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

800 Center Street

				Oakiand, Camoni						N. Arzento Ser	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	Ť	E	X	MTBE	
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(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				·	<u>-</u> -	, 			
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			<u>.</u>		·			
08/07/00	15.03	INACCESSIBLE				<u></u>	·		. 		
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		KED OVER WEL	L				. 		
08/27/01	15.03	INACCESSIBLE	- CAR PARI	KED OVER WEI	·L		·				
11/28/01	15.03	INACCESSIBLE	- CAR PARI	KED OVER WEI	L				, 		
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 .	··
	15.01	7.99	7.02	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
02/24-25/03 ¹ 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	
	15.01	5.26	9.75	68	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
11/21/03	15.01	8.42	6.59	140	< 50	<0.5	< 0.5	<0.5	<1.5	<2.5	
02/27/04	15.01	6.71	8.30	76	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
05/28/04	15.01	INACCESSIBLE			LL .		 '				
08/31/04	15.01	6.98	8.03	52°	<50	< 0.5	< 0.5	<0.5	<1.5	<2.5	
12/17/04	15.01	8.66	6.35	51°	<50	< 0.5	0.7	< 0.5	<1.5	<2.5	 .
03/28/05	15.01	9.16	5.85	72°	<50	< 0.5	< 0.5	<0.5	<1.5	<2.5	
06/09/05		6.52	8.49	<50°.p	<50	< 0.5	<0.5	< 0.5	<1.5	<2.5	
08/19/05	15.01	6.12	8.89	<50°	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
11/18/05	15.01	8.98	6.03	<50°	<50	< 0.5	<0.5	1.4	<1.5	<2.5	
03/07/06	15.01	8.83	6.18	<50°	<50	<0.5	< 0.5	< 0.5	<1.5	<2.5	
05/17/06	15.01	8.83 6.86	8.15	<50°	<50	<0.5	< 0.5	< 0.5	<1.5	<2.5	
08/30/06	15.01	6.46	8.55	200°	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
11/28/06	15.01	6.46	0.55	200	-						

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

800 Center Street

					Oakland, (E X MTBE			CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E		(ppb)	(cfu/ml)
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(PP-0)	Name and Control
	V•9		 		2					-0.5	
MW-5 (cont)	4	0 02	8.85	55°	<50	< 0.5	<0.5	<0.5	<1.5	<2.5	
02/06/07	17.68	8.83 9.91	8.83 7.77	<50°	<50	< 0.5	<0.5	<0.5	<1.5	<2.5	
05/02/07	17.68		9.05	66°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	-
08/17/07	17.68	8.63	9.03	00				•			
											*
									-0.5		
MW-6					< 50	< 0.5	< 0.5	< 0.5	<0.5	<12	
01/03/97		8.11	6.62		800	310	23	. 11	28	<2.5	,
02/20/97	14.73		7.60		< 50	< 0.5	< 0.5	< 0.5	<0.5		
04/24/97	14.73	7.13	9.00		<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			160	38	< 0.5	< 0.5	< 0.5	<2.5	
01/28/98	14.73	8.19	6.54		1,700	490	72	39	52	<25	
05/11/98	14.73	8.08	6.65		<50	<0.5	< 0.5	< 0.5	< 0.5	<5.0	
07/16/98	14.73	7.04	7.69		~50 - -				, '		8.6×10^3
08/04/98 ^a	14.73	6.89	7.84								2.9×10^3
09/03/98 ^a	14.73	6.24	8.49						~-		1.8×10^3
10/21/98 ^b	14.73	5.46	9.27			<0.5	<0.5	<0.5	< 0.5	<2.5	·
11/04/98	14.73	5.52	9.21		<50		<0.5	<0.5	< 0.5	<2.0	
01/26/99	14.73	6.49	8.24		<50	< 0.5	<0.5	<0.5	< 0.5	< 5.0	
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	<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	<0.50	< 0.50	<2.5/<2.0 ^f	
	14.73	6.22	8.51	- -	< 50	< 0.50	< 0.50				
08/07/00	14.73	DRY									
12/01/00	14.73	DRY									
02/09/01		6.63	8.10		NOT SAMPL	ED DUE TO INS	SUFFICIENT W	ATER	< 0.50	/<5.0 ^f	
05/29/01	14.73	9.83	4.90		150	< 0.50	5.7	< 0.50		/<5.0	
08/27/01 ^h	14.73	DRY							- -1 -	<2.5	
11/28/01	14.73		6.78		<50	< 0.50	< 0.50	<0.50	<1.5	<2.5	
02/14/02.	14.68	7.90	7.36		<50	< 0.50	< 0.50	< 0.50	<1.5		
05/15/02	14.68	7.32						, 			
08/05/02	14.68	DRY		 		<u></u> ·	·	· 	. 		
11/30/02	14.68	DRY		<50	<50	<0.50	< 0.50	< 0.50	<1.5	<2.5	- ,
02/24-25/031	14.68	7.89	6.79	<50 <50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
06/02/03	14.68	7.20	7.48	<30	~50 .						
											As of 08/17/07

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

800 Center Street

<u> </u>					Oakiaiiu, (50000 4 0000	X	MTBE	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E		(ppb)	(cfu/ml)
DATE	(ft.)	(mst)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(PP-0)	(Series really
MW-6 (cont)										4.2	
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°	< 50	< 0.5	< 0.5	<0.5	<1.5	<2.5	
03/28/05	14.68	8.34	6.34	61°	< 50	<0.5	< 0.5	< 0.5	<1.5	<2.5	·
06/09/05	14.68	7.95	6.73	64°	< 50	< 0.5	< 0.5	<0.5	<1.5	<2.5	
08/19/05	14.68	6.27	8.41	<50°.p	<50 ^s	< 0.5	< 0.5	<0.5	<1.5	<2.5	
11/18/05	14.68	DRY AT 15.70					, 				
03/07/06	14.68	8.03	6.65	<50°	< 50	<0.5	< 0.5	0.9	<1.5	<2.5	
05/17/06	14.68	7.98	6.70	<50°	< 50	< 0.5	< 0.5	<0.5	<1.5	<2.5	.=-
08/30/06	14.68	6.63	8.05	<50°	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
11/28/06	14.68	6.09	8.59	120°	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
02/06/07	17.33	8.58	8.75	96°	< 50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	 .
05/02/07	17.33	9.64	7.69	<50°	< 50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
08/17/07	17.33	8.38	8.95	66°	<50	<0.5	< 0.5	<0.5	<1.5	<2.5	- -
	17.55	0.00									
MW-7											
01/03/97	<u> </u>				< 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 AN	NUALLY		'		. .	
07/16/98	16.36	8.00	8.36		·						
07/10/98 08/04/98 ^a	16.36	7.32	9.04						· · · · · · ·		1.5×10^3
	16.36	6.65	9.71								6.5×10^2
09/03/98 ^a	16.36	5.96	10.40	 .							4.8×10^{3}
10/21/98 ^b	16.36	5.89	10.47							 .	
11/04/98	16.36	8.25	8.11		<50	< 0.5	< 0.5	<0.5	0.5	<2.0	· · · . · ·
01/26/99	16.36	8.47	7.89					: 		<u></u>	
05/06/99	16.36	8.47	7.85			<u></u> .					
08/21/99 10/28/99	16.36	6.04	10.32	•				<u></u>	. 	·	'

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

					Oukidita, c	В	T	E	X	MTBE	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G		(ppb)	(ppb)	(ppb)	(ppb)	(cfu/ml)
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(PPS)	PE-X	<u> </u>	<u> </u>	
MW-7 (cont)								<0.5	<0.5	<2.5	
01/31/00	16.36	7.57	8.79		<50	<0.5	<0.5	<0.5			·
	16.36	UNABLE TO L		·		, 		<0.50	< 0.50	<2.5/<2.0 ^f	
05/19/00 08/07/00	16.36	6.67	9.69		<50	< 0.50	<0.50	< 0.500	< 0.500	<2.50	
12/01/00	16.36	5.84	10.52		<50.0	< 0.500	<0.500	<0.50	<0.50	<2.5	
02/09/01	16.36	6.30	10.06		<50	< 0.50	< 0.50	~0.50 		:	
05/29/01	16.36	UNABLE TO L	OCATE					<0.50	< 0.50	/<5.0 ^f	
	16.36	6.02	10.34		< 50	< 0.50	<0.50	<0.50	<1.5	<2.5	
08/27/01 ^h	16.36	6.09	10.27		< 50	< 0.50	<0.50	<0.50	<1.5	<2.5	·
11/28/01 02/14/02	16.31	8.21	8.10		< 50	< 0.50	<0.50	< 0.50	<1.5	<2.5	
	16.31	7.41	8.90		< 50	<0.50	<0.50	< 0.50	<1.5	<2.5	 ,
05/15/02	16.31	6.26	10.05		< 50	< 0.50	<0.50		<1.5	<2.5	
08/05/02	16.31	5.39	10.92		< 50	< 0.50	< 0.50	<0.50	<1.5	<2.5	
11/30/02	16.31	8.30	8.01	< 50	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
02/24-25/03	16.31	7.67	8.64	< 50	< 50	< 0.5	<0.5	<0.5	<1.5	<2.5	
06/02/03	16.31	6.17	10.14	< 50	< 50	< 0.5	< 0.5	<0.5	~1.5		
09/02/03	16.31		LOCATE - BUR	RIED							
11/21/03	16.31	UNABLE TO	LOCATE - BUF	RIED				 -0 <i>E</i>	<1.5	<2.5	
02/27/04	_n	n	9.40	91	< 50	<0.5	< 0.5	< 0.5	<1.5	<2.5	
05/28/04	_n	n	10.61	150 ^m	< 50	<0.5	< 0.5	<0.5	<1.5	<2.5	
08/31/04	n	n	9.16	170°	< 50	< 0.5	< 0.5	<0.5	<1.5	<2.5	
12/17/04	n	n	7.21	<50°	< 50	<0.5	<0.5	<0.5	<1.5	<2.5	
03/28/05	n	n	7.71	86°	55	<0.5	<0.5	<0.5 <0.5	<1.5	<2.5	
06/09/05	n	n	9.88	820°,p,q	<50	< 0.5	< 0.5	<0.5	<1.5	<2.5	.
08/19/05	n	_n	10.06	<50°	<50	<0.5	<0.5		<1.5	<2.5	·
11/18/05	n	_n	6.95	<50°	< 50	< 0.5	<0.5	< 0.5	<1.5	<2.5	·
03/07/06	n	n	7.52	<50°	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
05/17/06		n	10.73	<50°	< 50	<0.5	<0.5	< 0.5	<1.5 <1.5	<2.5	
08/30/06	ⁿ	n	10.70	<50°	<50	< 0.5	<0.5	<0.5	<1.5 <1.5	<2.5	. <u></u>
11/28/06		8.91	10.35	73°	<50	< 0.5	<0.5	<0.5		<2.5	,
02/06/07	19.26	9.98	9.28	<50°	< 50	< 0.5	<0.5	<0.5	<1.5	< 2. 5	
05/02/07	19.26	9.98 8.75	10.51	<50°	<50	<0.5	<0.5	<0.5	<1.5	~4.5	
08/17/07	19.26	8./3	10.01	-50							

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

800 Center Street

			<u> </u>		Oakiand, C		and the same	E	X	MTBE	CUB
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T			(ppb)	(cfu/ml)
DATE	(ft.)	(msl)	(fi.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(PPU)	Jacanes sanok
	U*9	*****************								•	
MW-8		7.20	7.99		<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2 ^f	 .
02/14/02 ^{i,j}	15.29	7.30		 ,	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
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	<50	<0.50	< 0.50	< 0.50	<1.5	<2.5	
02/24-25/03	15.29	7.46	7.83	<50	<50	<0.5	< 0.5	< 0.5	<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	280	<50	<0.5	< 0.5	< 0.5	<1.5	<2.5	- -
02/27/04	15.29	8.38	6.91		<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°	<50 <50	<0.5	0.9	< 0.5	<1.5	<2.5	
03/28/05	15.29	8.79	6.50	<50°	<50 <50	<0.5	<0.5	< 0.5	<1.5	<2.5	
06/09/05	15.29	8.26	7.03	63°	<50	<0.5	<0.5	< 0.5	<1.5	<2.5	
08/19/05	15.29	6.18	9.11	<50°.p		<0.5	<0.5	<0.5	<1.5	<2.5	
11/18/05	15.29	5.47	9.82	<50°	<50		<0.5	<0.5	<1.5	<2.5	·
03/07/06	15.29	8.60	6.69	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	·
05/17/06	15.29	8.21	7.08	<50°	<50	<0.5	<0.5 <0.5	<0.5	<1.5	<2.5	
08/30/06	15.29	6.57	8.72	<50°	<50	<0.5	<0.5 <0.5	<0.5	<1.5	<2.5	- · ·
11/28/06	15.29	6.38	8.91	<50°	<50	<0.5		<0.5	<1.5	<2.5	
02/06/07	17.79	8.39	9.40	<50°	<50	<0.5	<0.5	< 0.5	<1.5	<2.5	
05/02/07	17.79	9.33	8.46	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
08/17/07	17.79	8.18	9.61	<50°	<50	<0.5	<0.5	<0.5	~1.3	-2.5	
00,1770											
MW-9								9.2	240		
04/20/07 ⁱ	18.42	10.39	8.03	1,100°	4,100	28	6.9		12		
06/22/07	18.42	8.82	9.60	310°	500	4.4	<0.5	<0.5	<1.5		<u>.</u> .
08/17/07	18.42	8.67	9.75	92°	<50	<0.5	<0.5	<0.5	~1.5	· 	÷
00/1//0/	101						•				
MW-10									1.40		
_	17.99	8.35	9.64	260°	1,200	29	31	11	140		
04/20/07 ⁱ	17.99	8.29	9.70	110°	<50	1.5	<0.5	<0.5	<1.5		
06/22/07	17.99	7.81	10.18	53°	< 50	<0.5	<0.5	<0.5	<1.5		
08/17/07	1 / . 99	/.01	40.40					*		•	

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

800 Center Street

				·	Oakland, C			E	X	MTBE	CUB
manus ereas real	TOC*	GWE	DTW	TPH-D	TPH-G	В	T		(ppb)	(ppb)	(cfu/ml)
WELL ID/		(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(PPU)		
DATE	(ft.)	(msi)	047								
MW-11				0	77	<2.0	4.6	<0.5	3.2		-
04/20/07 ⁱ	18.68	9.88	8.80	350°	51	<0.5	<0.5	<0.5	<1.5		·
06/22/07	18.68	9.35	9.33	1400		<0.5	<0.5	< 0.5	<1.5		-
08/17/07	18.68	8.66	10.02	<50°	<50	-0.5					
00/1/10/											
MW-12					400	2.3	40	14	49	 .	· · · · · -
04/20/07 ⁱ	18.46	12.88	5.58	430°	400	0.7	1.1	<0.5	4.3		
06/22/07	18.46	7.75	10.71	390°	<50	<0.5	<0.5	<0.5	<1.5		-
08/17/07	18.46	7.91	10.55	<50°	<50	<0.5					
00/1//0/										:	
MW-13	•		•			•	23	7.5	61	-	
	18.43	9.46	8.97	140°	650	16	0.9	<0.5	<1.5	· · · · <u>-</u> ,	
04/20/07	18.43	8.99	9.44	400°	<50	0.6	<0.5	<0.5	<1.5		·
06/22/07	18.43	8.53	9.90	<50°	<50	<0.5	~0.5	-0.0			
08/17/07	10.43	• • • • • • • • • • • • • • • • • • • •									
MW-14						550	1,600	620	2,400	·	
04/20/07 ⁱ	18.59	8.17	10.42	2,000°	16,000		150	49	580		
06/22/07	18.59	7.55	11.04	1,300°	3,700	190 74	54	11	220		.
08/17/07	18.59	7.82	10.77	780°	2,600	/4	34				
08/1//0/	10.05								4		
	,				4,						
MW-15				=2.0 0	240	1.0	1.3	<0.5	20		
04/20/07 ⁱ	18.38	9.78	8.60	720°	< 5 0	<0.5	<0.5	<0.5	<1.5		. -
06/22/07	18.38	9.09	9.29	150°	< 50	<0.5	<0.5	<0.5	<1.5		
08/17/07	18.38	8.65	9.73	<50°	\30					•	
					•						
MW-16					15,000	87	1,200	500	2,000	<u>.</u> .	
04/20/07 ⁱ	18.57	8.75	9.82	2,200°		130	1,800	580	1,400	·	
04/20/07	18.57	8.20	10.37	2,100°	10,000		1,400	280	730		
08/17/07	18.57	7.81	10.76	640°	8,200	110	1,100			•	
08/1//07	10.07							· · ·	•		•

Table 1

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

800 Center Street

*					Oakialiu, C					S. At April 10	ANT ON
WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE	CUB
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(cfu/ml)
MW-17					•				•		x - 5
04/20/07 ⁱ	18.55	-0.95	19.50	1,300°	7,400	66	880	300	1,300	-	-
06/22/07	18.55	8.21	10.34	690°	2,000	35	27	9.3	360		
08/17/07	18.55	2.33	16.22	240°	380	6.7	2.3	0.5	15		_
08/1//0/	10.55	4.55	10.22	240							
									4		
MW-1								ż			
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	INACCESSIBLI					·	_ 			
01/28/98	15.64	9.30	6.34		10,000	380	2,000	300	1,500	<25	
	15.64	8.72	6.92		17,000	880	3,100	380	2,300	<250	
05/11/98	15.64	7.23	8.41		29,000	2,700	6,800	890	3,900	<1,000	
07/16/98	15.64	6.90	8.74							•• ·	$<1.0 \times 10^{1}$
08/04/98 ^a		6.43	9.21						<u> </u>		4.1×10^{3}
09/03/98 ^a	15.64	5.59	10.05		w p. p.		,	~~			4.7×10^{2}
10/21/98 ^b	15.64	5.64	10.00		25,000	1,900	5,900	810	4,300	<125	
11/04/98	15.64	6.86	8.78		<50	<0.5	< 0.5	< 0.5	< 0.5	<2.0	
01/26/99	15.64	8.17	7.47		8,050	515	1,840	256	1,190	300/<20°.	
05/06/99	15.64	13.27	2.37		46,500	2,530	8,700	1,010	5,300	<1,250/<40°	
08/21/99	15.64	5.46	10.18		31,600	1,580	6,100	794	4,400	1,270	 ,
10/28/99	15.64		8.15		7,270	366	1,280	171.	935	<12.5	
01/31/00	15.64	7.49	7.86		8,000°	870	1,200	430	1,200	<250	-
05/19/00	15.64	7.78	9.22	. 	37,000 ^e	2,400	8,500	1,100	5,500	1,500/<4.0 ^f	-
08/07/00	15.64	6.42	10.39		25,500 ^g	1,390	4,920	801	4,330	<500/<10 ^f	
12/01/00	15.64	5.25			.8,900 ^e	850	1,300	470	1,700	820/<2.0 ^f	
02/09/01	15.64	6.10	9.54		24,000 ^e	1,800	5,600	740	3,700	<250/<2.0 ^f	
05/29/01	15.64	6.79	8.85		24,000	1,400	4,400	710	3,400	/<20 ^f	 '
08/27/01 ^h	15.64	5.83	9.81		26,000	1,300	3,900	620	3,400	<100/<2 ^f	 .
11/28/01	15.64	5.84	9.80			1,300	360	45	240	9.3/<2 ^f	
02/14/02	15.63	8.34	7.29	 .	1,400	2,400	7,300	1,000	4,800	<100/<3.0 ^f	.
05/15/02	15.63	7.18	8.45		37,000	1,500	4,600	700	3,400	<100/<3.0 ^f	·
08/05/02	15.63	6.09	9.54	•	27,000	1,500	4,000	700	,	100, 2,0	
DESTROYED								4,			•

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

800 Center Street

					Oakland, C		*************		X	MTBE	CUB
Harataran barran 1900	TOC*	GWE	DTW	TPH-D	TPH-G	В	1	E	(ppb)	(ppb)	(cfu/ml)
WELL ID/		(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(PVO)	VERTY AND A	
DATE	(ft.)	(1164)	<u></u>		3					-2.5	
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 <50	<0.5	< 0.5	< 0.5	< 0.5	< 5.0	- -
07/16/98						<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	<0.500	< 0.500	< 0.500	< 0.500	< 2.50	
				. 	<50.0	1	<0.50	< 0.50	< 0.50	<2.5	
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	/<5.0 ^f	
05/29/01					<50	< 0.50	<0.30	10.50			
08/27/01 ^h							-0.50	< 0.50	<1.5	<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	· · · ·			<u>:</u> _	< 50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
11/30/02				<u></u>	< 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 <1.5	<2.5	
08/31/04					<50	<0.5	<0.5	<0.5		<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 <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 <2.5	
11/18/05		- - -			<50	<0.5	< 0.5	< 0.5	<1.5	<2.3	
03/07/06			·		~30.						As of 08/17/07
03/07/00					•	4					AS 01 00/1//0

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

800 Center Street

						Camonia					
WELL ID/	TO€*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE	CUB
DATE	(ft.)	(msl)	(fi.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(cfu/ml)
QA (cont)											
05/17/06	<u></u>				< 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	·

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

TPH-G = Total Petroleum Hydrocarbons as Gasoline

CUB = Contaminate utilizing bacteria

(ft.) = Feet

B = Benzene

(cfu/ml) = Colony forming unit per milliliter

GWE = Groundwater Elevation

T = Toluene

(ppb) = Parts per billion

(msl) = Mean sea level

E = Ethylbenzene

-- = Not Measured/Not Analyzed

DTW = Depth to Water

X = Xylenes

QA = Quality Assurance/Trip Blank

TPH-D = Total Petroleum Hydrocarbons as Diesel

MTBE = Methyl tertiary butyl ether

- 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 casting 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).
- Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.
- Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.
- Confirmation run.
- Chromatogram pattern indicates an unidentified hydrocarbon.
- Laboratory report indicates gasoline C6-C12.
- MTBE by EPA Method 8260.
- Laboratory reports indicates weathered gasoline C6-C12.
- TPH-G and BTEX by EPA Method 8260.
- Well development performed.
- TPH-D was detected at 130 ppb.
- TPH-D was <50 ppb.
- Well re-development performed.
- Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- TOC damaged; unable to calculate an accurate GWE.
- TPH-D with silica gel clean-up.
- Laboratory report indicates analysis performed out of hold time.
- Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
- Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.
- 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.
- Laboratory confirmed result.

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)	Pøst-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

			=		d, California		and the second s	TAME	1,2-DCA	EDB
WELLID	DATE	METHANOL	ETHANOL	TBA	MTBE	DIPE	ETBE (ppb)	(ppb)	(ppb)	(ppb)
vv,taluta,4\$P.		(ppm)	(ppb)	(ppb)	(ppb)	(ppb)				<4.0
			<1,000	410	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0 <10
MW-1	08/07/00		<2,500	<250	<10	<10	<10	<10	<10	<2.0
	12/01/00		<500	340	<2.0	<2.0	<2.0	53	<2.0	<2.0 <2.0
	02/09/01		<500	<20	< 2.0	<2.0	<2.0	<2.0	<2.0	<20
	05/29/01		<200	230	<20	<20	<20	<20	<20	<2
	08/27/01	<2.000		130	<2	<2	<2	<2	<2	<2
	11/28/01	,	<500	<100	<2	<2	<2	<2	<2	
	02/14/02	- -	<500	120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	05/15/02		<500	100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	08/05/02	 :	<500	100	-5.0		•			
	DESTROYED									
				<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2	08/07/00		<500	<100	<5.0					
	08/27/01	_ 			\ 3.0					
				2 (00	<10	<10	<10	<10	490	17
MW-3	08/07/00		< 500	2,600		<2.0	<2.0	35	<2.0	<2.0
141 44 6.	02/09/01		< 500	2,000	<2.0	<2.0	<2.0	38	980 ¹	7.4
	05/29/01		< 500	1,7001	<2.0	<25	<25	<25	380	<25
	08/27/01	< 5.000	<250	1,300	<25	<5.0	<5.0	< 5.0	< 5.0	<5.0
	11/28/01		< 500	1,500	<5.0		<2	<2	<2	<2
	02/14/02	·	< 500	<100	<2	<2 <2	<2	<2	-120	<2
	05/15/02	 .	< 500	110	<2	•	<10	<10	670	<10
	08/05/02	 ,	<1,000	1,400	<10	<10	<10	<10	380	<10
	11/30/02		<1,000	1,200	<10	<10	~10	•		
	11/30/02						<2.0	<2.0	18	<2.0
	08/07/00		< 500	<100	<2.0	<2.0				
MW-4	08/27/01	NOT SAMPL	ED DUE TO INSU	FFICIENT WATER	2					, ,
	11/28/01	DRY						<2	9	<2
	02/14/02		< 500	<100	<2	<2	<2	<2	4	<2
			< 500	<100	<2	<2	<2		 .	·
	05/15/02	DRY	. Ti							
	08/05/02	DRY					÷=	. 		
	11/30/02	DKI					- 0	<2.0	<2.0	<2.0
			<500	<50	< 2.0	<2.0	<2.0		<2.0	<2.0
MW-5	12/01/00	- -	<500	<50	< 2.0	< 2.0	<2.0	<2.0	. ~2.0	
	02/09/01		BLE - CAR PARKI				· · · · · · · · · · · · · · · · · · ·		, 	<u>.</u>
	08/27/01	INACCESSIE	SLE - CAR PARKI	ED OVER WELL					<2	<2
	11/28/01		BLE - CAR PARKI	<100	<2	<2	<2	<2	~	, -2
*	02/14/02		<500	~100	. –					As of 08/17/07
					17					

Table 3

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron (Signal Oil) Service Station #206145 (S-800)

800 Center Street

Oakland, California

					iliania, ourantina					
WELLID	DATE	METHANOL	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB (ppb)
		(ppm)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(РРи)
MW-5 (cont)	05/15/02		<500	<100	<2	<2	<2	<2	<2	<2
W W-3 (Cont)	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
141 44 -0	08/27/01		 .		< 5.0					
	11/30/02	DRY		·			<u></u> -	* ==		<u></u> .
MW-7	08/07/00		<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
148 44 - 7	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

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 The water samples are placed in a cooler, 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

	Center Street		Samp	ler:	5H	
ty: <u>Oal</u>	MW- 1	Date Mor	nitored: 4-	20-07 W	Vell Condition:	•
ell ID ell Diameter	2 in.			3/4"= 0.02 1"=	= 0.04 2"= 0.17 3"= 0.38 = 1.02 6"= 1.50 12"= 5.80	
itial Total Depth 🛚 🧵	7.56 ft.		Factor (VF)	4"= 0.66 5"=	1.02	
inal Total Depth	38-27tt. 8,03tt.				Estimated Purge Volume: 50	gal.
epth to Water	9.53 XVF	0.17	=x ₁₀			00 hrs)
•		Sampling	g Equipment:	11 -	ime Staried:(2 ime Completed:(2 Depth to Product:	'``
Purge Equipment:		Disposat			Senth to Water:	ft .
Disposable Bailer		Pressure			Judrocarbon Thickness:	"
Stainless Steel Bailer	V	Discrete		il	Visual Confirmation/Description:	
Stack Pump - Suction Pump -		Other:			Skimmer / Absorbant Sock (circle o	ne)
Grundfos .				14	Amt Bemoved from Skimmer:	gal gal
Other:					Amt Removed from Well: Water Removed:	gal
04,00					Product Transferred to:	<u> </u>
				1		
	1006	Weather	Conditions:	100	Odor	
Start Time (purge): Sample Time/Date	1201	20.07 V	Vater Color:	Cleir	Odor:	
Sample Time/Date:	15000 1 400	Sediment	Description:	hin Har		
Purging Flow Rate:	- Jupini		V	olume:	gal.	
Did well de-water?	NO	yes, rille.			D.O. ORP	
	Volume		of iddon v	remperature (C/F)	(mg/L) (mV)	
Time (2400 hr.)	(gal.)	.pH (mhos/cm)	17.2		
121)	S	<u> </u>	304 -	177		
1215	10	8.05	973 -	17-8		
1213	15	802_	1235	17.8		· ·
1-16	-2	7,95	1334 _			
. 27 /		7-91	1212 -	17.7		
1224	7.5	7.29	1163 -	111	- 	
1224		1.61 _		17		
1224	30	787 -	1135 _	17-7		
1229 (237 1230	<u>30</u> <u>35</u>		1135	17-3		<u> </u>
1229 1230 1230 1233	30 35 40	7.87	1135 _	17-8		
$ \begin{array}{r} $	30 35 40 45	7.87	1135 _	17-3		
1229 1230 1230 1233	30 35 40	7.87 7.72 7.73 7.73	1135 1213 1217 1021	17-8		
1229 (237 1230 1233 1236 1236	35 40 45 50	7.87 7.77 7.73 7.73	1135 1213 1217 1021 ORATORY INFO	17-8 17-8 17-8 RMATION		
1224 (217 1230 1236 1236 1236	35 40 45 50	7.87 7.72 7.73 7-73 LAB REFRIG.	1135 1213 1217 1021	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	
1224 (237) 1230 1233 1236 1236	35 40 45 35 35 40 45 37 25 27 27 27 27 27 27 27 27 27 27 27 27 27	7.87 7.72 7.73 7-73 LAB REFRIG. YES	/2/3 /2/7 /2/7 ORATORY INFO	17-8 17-8 17-8 RMATION	R TPH-G(8015)/BTEX(8021)	
1224 (217 1230 1236 1236 1236	35 40 45 50	7.87 7.72 7.73 7-73 LAB REFRIG.	135 1217 1217 ORATORY INFO PRESERV. TYPE HCL	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	
1224 (217 1230 1236 1236 1236	35 40 45 35 35 40 45 37 25 27 27 27 27 27 27 27 27 27 27 27 27 27	7.87 7.72 7.73 7-73 LAB REFRIG. YES	135 1217 1217 ORATORY INFO PRESERV. TYPE HCL	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	
1224 (217 1230 1236 1236 1236	35 40 45 35 35 40 45 37 25 27 27 27 27 27 27 27 27 27 27 27 27 27	7.87 7.72 7.73 7-73 LAB REFRIG. YES	135 1217 1217 ORATORY INFO PRESERV. TYPE HCL	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	
1224 (217 1230 1236 1236 1236	35 40 45 35 35 40 45 37 25 27 27 27 27 27 27 27 27 27 27 27 27 27	7.87 7.72 7.73 7-73 LAB REFRIG. YES	135 1217 1217 ORATORY INFO PRESERV. TYPE HCL	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	
1224 (217 1230 1236 1236 1236	35 40 45 35 35 40 45 37 25 27 27 27 27 27 27 27 27 27 27 27 27 27	7.87 7.72 7.73 7-73 LAB REFRIG. YES	135 1217 1217 ORATORY INFO PRESERV. TYPE HCL	17-8 17-8 17-8 RMATION LABORATOR	R TPH-G(8015)/BTEX(8021)	

	evron #20614	+0			6492	
te Address: 80	0 Center Stre				1-20-07	
	akland, CA		Sar	npler:	514	
	MW-10	Date M	onitored: 4-	20-07	Well Condition: 🧠	
/ell ID	2 in.	Date W				
/ell Diameter	52/5#		Volume	0/4 - 0.4-	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
itial Total Depth inal Total Depth	58.42ft		Factor (VF)	4"= 0.66 5	7 1.02	
epth to Water	7,64 ft.	•	~			75
reptil to water	<u> </u>	VF	Z= 7:18 x	10 (case volume)	Estimated Purge Volu	ime: gal.
•		Campli	ng Equipment:		Time Started: Time Completed:	(2400 hrs) (2400 hrs)
urge Equipment:			able Bailer 📐	, <u> </u>	Depth to Product:	ft
isposable Bailer			re Bailer		Depth to Water: Hydrocarbon Thickne	ft ss: ft
Stainless Steel Bailer Stack Pump	- \	Discret	e Bailer		Visual Confirmation/D	escription:
Suction Pump		Other:_			Skimmer / Absorbant	Sock (circle one)
Grundfos				.	Amt Removed from S	Skimmer: gal
Other:	 ·				Amt Removed from V Water Removed:	
					Product Transferred	
Start Time (purge):	1033	Weathe		Chiw	Odor	10
Sample Time/Date			Water Color:	Clear		
Purging Flow Rate	: <u> </u>		Description:	<i>lignt</i> √olume:	gal.	
Did well de-water?	NO	If yes, Time:	\	volulitie	90	
Timo	Volume		Conductivity	Temperature	D.O.	ORP (mV)
Time (2400 hr.)	(gal.)		umhos/cm)	(O(F)	(mg/L)	(1117)
		8-11	1956 -	76:8		
1047				13 4		
1047	15	7.06 _	1963 -	17-0		
	225	806 -	1969	17.0		
1057	15 225 30	803 803 802	1969			
105 1 105 5 185 9 110 3	15 225 30	803 803 800	1969 1983 2098			
105 ! 105 5 105 9 110 3 110 7	15 22.5 30 37.5 45	803 802 800 800 797	1969 1983 2043 2104	17.6		
105 105 5 105 9 110 3 110 7	15 225 30 37.5 45 525	806 - 803 - 800 - 800 - 797 - 800 -	1969 1983 2098	17.2 17.6 17.8 17.8 17.9		
105 105 5 105 9 110 7 1111 1115	15 225 30 37.5 45 525	806 803 800 800 797 800 800	1469 1983 2098 2104 \$82102	17.2 17.8 17.8 17.9 17.9 18.0		
105 105 5 105 9 110 7 1111 1115	15 225 30 37.5 45 525	806 - 803 - 800 - 800 - 797 - 800 -	1469 1983 2098 2104 \$82102	17.2 17.6 17.8 17.8 17.9		
105 105 5 105 9 110 7 11 11 11 15	15 225 30 37.5 45 525	8.06 8.03 8.00 7.97 8.00 8.01 7.46 7.49	1969 1983 2098 2104 \$\$2102 2003 2003	17.2 17.8 17.8 17.9 17.9 17.9 18.0		
1057 1055 1103 1107 1111 1115 1119	15 225 30 37.5 45 525 50 515 7	806 803 800 297 300 801 7.96 7.99	1969 1983 2098 2104 \$2102 2008 2009 0049	17.2 17.8 17.8 17.9 17.9 17.9 18.0 18.0	Y	ALYSES
105-1 105-5 105-9 110-7 1111 1115 1119 112-3	15 225 30 37.5 45 525 57.5 75	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LAB	1969 1983 2093 2109 2000 2003 2009 000 000 000 000 000 000 000 000 00	17.2 17.8 17.8 17.9 17.9 17.9 18.0	TPH-G(8015)/BTE	X(8021)
105-1 105-5 105-9 110-3 110-7 1111 1115 1119	(#) CONTAINER 3 x voa vial	806 803 800 297 300 801 7.96 7.99	1969 1983 2098 2104 \$2102 2008 2009 0049	17.2 17.8 17.3 17.4 17.4 18.0 18.0 RMATION	TPH-G(8015)/BTE	X(8021)
105-1 105-5 105-9 110-7 1111 1115 1119 112-3	15 225 30 37.5 45 525 57.5 75	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LABI REFRIG. I	1969 1983 2093 2109 2093 2093 2097 00RATORY INFO	17.2 17.8 17.8 17.9 17.9 18.0 18.0 RMATION LABORATOR	TPH-G(8015)/BTE	X(8021)
1057 1059 1103 1107 1111 1115 1119 1123	(#) CONTAINER 3 x voa vial	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LABI REFRIG. I	1969 1983 2093 2109 200 200 200 200 00 00 00 00 00 00 00 00	17.2 17.8 17.8 17.9 17.9 18.0 18.0 RMATION LABORATOR	TPH-G(8015)/BTE	X(8021)
1057 1059 1103 1107 1111 1115 1119 1123	(#) CONTAINER 3 x voa vial	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LABI REFRIG. I	1969 1983 2093 2109 200 200 200 200 00 00 00 00 00 00 00 00	17.2 17.8 17.8 17.9 17.9 18.0 18.0 RMATION LABORATOR	TPH-G(8015)/BTE	X(8021)
105-1 1055 1859 1107 1111 1115 1119 1123 SAMPLE ID MW-10	(#) CONTAINER 3 x voa vial	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LABI REFRIG. I	1969 1983 2093 2109 200 200 200 200 00 00 00 00 00 00 00 00	17.2 17.8 17.8 17.9 17.9 18.0 18.0 RMATION LABORATOR	TPH-G(8015)/BTE	X(8021)
1057 1055 1059 1107 1111 1115 1119 1123	(#) CONTAINER 3 x voa vial	8.02 8.03 8.00 7.97 8.00 7.90 7.99 LABI REFRIG. I	1969 1983 2093 2109 200 200 200 200 00 00 00 00 00 00 00 00	17.2 17.8 17.8 17.9 17.9 18.0 18.0 RMATION LABORATOR	TPH-G(8015)/BTE	X(8021)

Client/Facility #: Chevron #206145 Site Address: 800 Center Street Oakland, CA Well ID Well Diameter Initial Total Depth Final Total Depth Final Total Depth Chevron #206145 Event Date: 4/20/07 Sampler: 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		Job Number: 386492
Start Time (purge): OR 10 Weather Conditions: CLCUTY Customer of the conductivity Customer of the custom	Client/Facility #: Chevron #206145	10 /0 /7
Mel ID MW-		Everit Date.
MW- Date Monitored: 4/26/6 Well Condition: N E Color	Oakland CA	Sampler. 11110
Well Diameter Confinence	Ony.	14/20/07 Well Condition: NEW
Well Diameter	Well ID	
Initial Total Depth Final Total Depth Final Total Depth Solution Purge Equipment: Disposable Bailer Disposable Bailer Stack Pump Suction Pump Grundfüre Other: Start Time (purge): Other: Other: Start Time (purge): Other: Other: Start Time (purge): Other: Othe	Well Diameter 2 in.	e 3/4"= 0.02 1"= 0.04 2 = 0.11 == 0.04 2 = 0.11 == 0.04 2 = 0.11 == 0.04 12"= 5.80
Purge Equipment: Disposable Baller Dispo	Initial Total Deptil 2 CT	(VF) 4"= 0.66 5 = 1.02
Purgs Equipment: Disposable Bailer Disposable Bailer Pressure Bailer Disposable Bailer Disposa	- 1D-4h 29 4 6 4 π	
Purgs Equipment: Disposable Bailer Disposable Bailer Pressure Bailer Disposable Bailer Disposa	Depth to Water 8.80tt.	x10 (case volume) = Estimated Purge Volume: (2400 brs)
Purge Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Pressure Bailer Discrete Bailer Stack Pump Suction Pump Grundfoe Other: Start Time (purge): St		11
Disposable Bailer Stark Pump Discrete Bailer Discrete Bail		Depth to Product:" #
Start Time (purge): 0 10 Weather Conditions: CLOUDY / CLOAD Rodor: gal Water Removed from Skimmer: gal Water Removed from Skim	Disposazio -	Depth to Water:ft
Start Time (purge): Other: Skimmer / Absorbant Sock (circle one) Amt Removed from Skimmer; gal Product Transferred to: gal Product T	n Dellar	
Start Time (purge):	Ott of Dumn	1 · · · · · · · · · · · · · · · · · · ·
Start Time (purge):		Amt Removed from Skimmer: gai
Start Time (purge):	·	Amt Removed from Well:gai
Start Time (purge): 0810 Weather Conditions: CLCUDY CLEDEOdor: MO	Other:	Water Removes:
Sample Time/Date: 0 7 5 4 20/0 Water Colon. Sediment Description: Sediment Description		Floods
Sample Time/Date: 0 7 5 4 20/0 Water Colon. Sediment Description: Sediment Description		
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY TPH-G(8015)/BTEX(8021)	Sample Time/Date: 0 75514/20/07 Water of Purging Flow Rate: 2 - 3 gpm. Sediment Description of Sedimen	iption:
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORT		DRY INFORMATION
SAMPLE ID	T	RV. TYPE LABORATORT
COMMENTS: Add/Replaced Plug:Size:	SAMPLE ID (#) CONTAINER KEE	ICI LANCASTER TPH-G(0010)15 TEN
COMMENTS: Add/Replaced Plug: Size:	M/A/- 1 1 3 A 100 1101	NP LANCASTER IFFIDMING(CS.5)
Add/Replaced Plug: Size:	A. 000.	
Add/Replaced Plug: Size:		
Add/Replaced Plug: Size:		
Add/Replaced Plug: Size:		
Add/Replaceu Flug.	COMMENTS:	
Add/Replaceu Flug.		Size:
	- Life-placed Lock: 11	Add/Replaced Plug.

ite Address: 800 Center Street Event Date:	diame/English # (Chevron #20614	5	Job	Number:	386492	1	
Well ID MW 2 Date Monitored:			-	Eve	ent Date:	4/20	107	
Vell D Vell D Vell Diameter Vell D Vell Diameter V				Sar	mpler:	HAIG	<u> </u>	
	Vell ID	1.0	Date N	Monitored: 4	/20/01	7 Well Con	dition:	NEW
Start Time (purge): Sampling Equipment: Disposable Bailer Disposable Bailer Discrete Bailer D	Vell Diameter nitial Total Depth Final Total Depth	55.18 ft. 58.20 ft.					-	
Sampling Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Discrete Bailer	Depth to Water	5.58 ft.	F 0.17	<u> = 8</u> >	(10 (case volu			e;
Start Time (purge): O 9 0 5 Weather Conditions: C L 0 U D Y Sample Time/Date: O 9 0 7 Water Color: Seliment Description: If yes, Time: O 9 0 0 Volume: Seliment Description: If yes, Time: O 9 0 0 Volume: Seliment Description: O 9 2 5 0 7 4 5 0 0 7 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Purge Equipment: Disposable Bailer Stainless Steel Bailer		Dispo Press	sable Bailer ure Bailer	V	Time Com Depth to F Depth to V Hydrocarb	pleted: Product: Vater: on Thickness	ft tt
Start Time (purge):	Stack Pump Suction Pump Grundfos					Skimmer Amt Rem	/ Absorbant S	ock (circle one) mmer: gal
Stample Time (purger) Sample Time Date: O O G Q O O O O O O O O O	Other:					Water Re	moved:	gal
C918	Sample Time/Da Purging Flow Ra Did well de-water	ate: 100514/ ate: 2-3 gpm. er? YES 1	Sedime	nt Description:	SANT Volume:	5 2 ga	l. o.	ORP
CO	0918 0926 0926	$ \begin{array}{c c} & (gal.) \\ \hline & 10 \\ \hline & 20 \\ \hline & 30 \end{array} $	7,54 7,58 7,46	(umhos/cm) 455 462 464	16.7		gr 5/	
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY THI-G(8015)/BTEX(8021) MW- 1	01.3.	9 50 7	7.43 DEV	469 VATER		<u> </u>		
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALTSES MW- 1 3 x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX(8021) 9 x 500ml Amber YES NP LANCASTER TPH-Dw/sg(8015)								
SAMPLE ID (#) CONTAINER REPRIS. FILES HOL LANCASTER TPH-G(8015)/BTEX(8021) MW-	<u>_</u>			BORATORY INFO	LABORA	TORY I		
		3 x voa vial	YES	HCL	LANCAS	STER TPH-C		(8021)
COMMENTS:		A 7 0001117 111001						
COMMENTS:								
	COMMENTS:							
Add/Replaced Plug: Size:								lino!

ient/Facility #:	Chevron #2						
	800 Center			Event Date:	4-20-0>	· .	
te Address:	Oakland, C			Sampler:			
ty:	Oakland, C				NAC II O dition:	. A	
/ell ID	MW-	3 Da	te Monitored:	1-20-07	Well Condition:	04	
/ell Diameter	2	in.			1"= 0.04 2"= 0.17	3"= 0.38	
itial Total Dept	33,81	ft.	Volume Factor (VF	3/4"= 0.02 \ 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50		
inal Total Deptl		ft.	racioi (Vi	, , , , , , , , , , , , , , , , , , , ,			
epth to Water	8,97	ft.		10		42	
epinto maio	24-8	77 xVF	17 = Unx	x10 (case volume)	= Estimated Purge Vo		gal.
			V Favinment		Time Started: Time Completed:		00 hrs) 400 hrs)
urge Equipment:			ampling Equipment		Depth to Product:		
isposable Bailer			isposable Bailer ressure Bailer		Depth to Water:		n
tainless Steel Baile	er		iscrete Bailer		Hydrocarbon Thickn Visual Confirmation/	ess: /Description:	
tack Pump			other:		l		
Suction Pump					Skimmer / Absorbar	nt Sock (circle on	e) nal
Grundfos Other:				1	Amt Removed from Amt Removed from	Well:	gal
/(IOI+					Water Removed:		gal
•					Product Transferred	i to:	
		, -			L		
Start Time (purg	ne): <u>080 3</u> ate: 0855 b	14-20-01	ather Conditions Water Color	: Cleur	Odor	10	_
Purging Flow R Did well de-wat Time (2400 hr.)	ate: 0030 00 ate:	1 4-20-0 / pm. Sedir	ather Conditions Water Color ment Description Time: Conductivity (umhos/cm) 636 635 636 635 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636	Clect	ve-	ORP (mV)	
Sample Time/Deurging Flow Root Poid well de-water Caron Flow Root Poid well de-water Caron Flow Root Poid	ate: 0833 (V) ate: 29 er? Volume (gal.) 6 4 7 2 12 16 20 24 28	1 4-20-07 pm. Sedir ус. If yes, T рн 7-72 7-75 7-75 7-37 7-37 7-37 7-37 7-37	Water Color ment Description ime: Conductivity (umhos/cm)	Temperature (C) F) (L) C) (C) F) (L) C) (C) F) (L) C) (C) F) (C) F) (L) C) (C) F) (C)	gal.	ORP	
Sample Time/Deurging Flow Robins Flow Robi	ate: 0030 (V) ate: 2 9 er? Volume (gal.) 4 7 2 16 24 28 32 36 2 42	1 4-20-07 pm. Sedir 10 If yes, T pH 7.70 7.73 7.37 7.37 7.37 7.37	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 636 635 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637	Temperature (C) F) (6-8) (7-2) (7-2) (7-2) (7-2) (7-5)	gal. D.O. (mg/L)	ORP	
Sample Time/Deurging Flow Root Poid well de-water Caron Flow Root Poid well de-water Caron Flow Root Poid	ate: 0050 (V) ate: 2 9 er? Volume (gal.) 4 7 8 7 12 16 20 24 28 32 36 2 42	U-20-0 pm. Sedir //O If yes, T ph 7.70 7.75 7.77 7.37 7.37 7.37 7.37 7.37	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 637 636 637 6	Temperature (C) F) (6-8) (7-2) (7-2) (7-2) (7-2) (7-5)	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Durging Flow Roll Did well de-wall Carolina (2400 hr.) Caro	ate: 0050 (X) ate: 2 9 er? Volume (gal.) 4 7 12 16 20 24 28 32 36 2 42	1 4-20-0 1	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 636 635 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637	Temperature (C) F) (6-D) (16-R) (17-D) (17-1) (17-2) (17-2) (17-2) (17-6) (17-5) (17-6) (17-5) (17-6) (17-5) (17-6) (17-5) (17-6	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Deurging Flow Root Poid well de-water Caron Flow Root Poid well de-water Caron Flow Root Poid	ate: 0050 (V) ate: 2 9 er? Volume (gal.) 4 7 8 7 12 16 20 24 28 32 36 2 42	1 4-20-0 1	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637 637 637 636 637 6	Temperature (C) F) (6-D) (16-R) (7-2) (7-2) (7-2) (7-2) (7-5) IFORMATION PE LABORATOR LANCASTER	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Deurging Flow Root Point Well de-water Caron Flow Root Point Well de-water Caron Flow Root Point	ate: 0050 (X) ate: 2 9 er? Volume (gal.) 4 7 12 16 20 24 28 32 36 2 42	1 4-20-0 1	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637 637 637 636 637 6	Temperature (C) F) (6-D) (16-R) (7-2) (7-2) (7-2) (7-2) (7-5) IFORMATION PE LABORATOR LANCASTER	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Deurging Flow Root Point Well de-water Caron Flow Root Point Well de-water Caron Flow Root Point	ate: 0050 (X) ate: 2 9 er? Volume (gal.) 4 7 12 16 20 24 28 32 36 2 42	1 4-20-0 1	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637 637 637 636 637 6	Temperature (C) F) (6-D) (16-R) (7-2) (7-2) (7-2) (7-2) (7-5) IFORMATION PE LABORATOR LANCASTER	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Durging Flow Roll of Well de-wall of Well de-wall of Well	ate: 0050 (X) ate: 2 9 er? Volume (gal.) 4 7 12 16 20 24 28 32 36 2 42	1 4-20-0 1	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637 637 637 636 637 6	Temperature (C) F) (6-D) (16-R) (7-2) (7-2) (7-2) (7-2) (7-5) IFORMATION PE LABORATOR LANCASTER	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	
Sample Time/Durging Flow Roll of Well de-wall of Well de-wall of Well	ate: 0050 (2) ate: 2 9 er? Volume (gal.) 4 7 8 12 16 20 24 28 32 36 2 42 (#) CONTAI 3 x volume (gal.) 4 3 x volume (gal.) 4 7 8 8 32 9 36 9 42	1 4-20-0 1 14-20-0 1 14-20-0 15 yes, Т 15-20 17-3	Water Color ment Description ime: Conductivity (umhos/cm) 637 636 635 635 637 636 637 636 637 636 637 636 637 636 637 636 637 637 636 637 637 636 637 637 636 637 6	Temperature (C) F) (6-D) (16-R) (7-2) (7-2) (7-2) (7-2) (7-5) IFORMATION PE LABORATOR LANCASTER	gal. D.O. (mg/L) RY A R TPH-G(8015)/BT	ORP (mV)	

IIEM/Faciliny #	Chevron #20614	TU		Number: 386		
lient/Facility #: ite Address:	800 Center Stre		Eve		1-20-07	
ity:	Oakland, CA	<i>4</i> 9	Sar	mpler:	5#	<u>. </u>
ity.	2.1	29%	4-	20-07 W	rell Condition:	
/ell iD	MW-14	Date i	Monitored:	· · · · · · · · · · · · · · · · · · ·	ell condition.	
/ell Diameter	2 in.		Volume	3/4"= 0.02 1"=	= 0.04 2"= 0.17 3"= 0.38	
nitial Total Dept	h 53.62 ft.		Factor (VF)		1.02 6"= 1.50 12"= 5.80	
inal Total Dept	h <u>58,9/ft.</u>		L			,
epth to Water	10,42 ft.		7 7 7 7 1		stimated Purge Volume: 73,	5 gal.
	43.20_x	vf <u> </u>	= 1.31 x	II.		100 hrs)
		Samn	ling Equipment:	Ti	me Started:(24 me Completed:(2	
urge Equipment:	•		sable Bailer		epth to Product:	ft
isposable Bailer			ure Bailer	D	epth to Water:	ft ft
tainless Steel Bail	er		ete Bailer	——— Н	ydrocarbon Thickness:isual Confirmation/Description:	"
tack Pump	X	Other				
Suction Pump					kimmer / Absorbant Sock (circle or	
Grundfos Other:					Amt Removed from Skimmer: Amt Removed from Well:	gal
Jinei					Vater Removed:	
				F	Product Transferred to:	
			٠.			
<u> </u>				,	-	
Start Time (pur	ne) 839/3	Weath	er Conditions:	Cloudy	/	_
Start Time (pur	Date: 1500 1 4/-			Tan	Odor:	-
	Jale. / Cyc		_			
		Sedime	nt Description:	heiling		
Purging Flow F	Rate: 2 gpm.	Sedime	nt Description:		gal.	
Purging Flow f Did well de-wa	Rate: 2 gpm.	Sedime	nt Description: _			
Purging Flow f Did well de-wa	Rate: 2 gpm.	Sedimei If yes, Time	of Description:	/olume:	D.O. ORP	
Purging Flow F	Rate: 2 gpm. tter? 755 Volume	Sedimei	Conductivity (umhos/cm)	/olume: _ / 4		
Purging Flow f Did well de-wa	Rate:gpm. ter?Volume) (gal.)	Sedimei If yes, Time	conductivity (umhos/cm)	Volume:	D.O. ORP	
Purging Flow f Did well de-wa Time (2400 hr.	Rate: 2 gpm. ter? Volume (gal.)	Sedimei	Conductivity (umhos/cm) 8 16	Temperature (C/F) (78)	D.O. ORP	
Purging Flow f Did well de-wa Time (2400 hr.	Rate: 2 gpm. tter? Volume (gal.) 77 7 7	Sedimei	Conductivity (umhos/cm) 8.16 743	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow f Did well de-wa Time (2400 hr. Of 2	Rate:	Sedimei	Conductivity (umhos/cm) 8 16	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092	Volume (gal.) 77 74 21 22 23	Sedimei	Conductivity (umhos/cm) 8.16 743	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow f Did well de-wa Time (2400 hr. Of 2 Of 2 Of 2 Of 3	Volume (gal.) 77 7 7 14 21 27 27 35 35	Sedimei	Conductivity (umhos/cm) 8.16 743	Volume:	D.O. ORP (mg/L) (mV)	——————————————————————————————————————
Purging Flow f Did well de-wa Time (2400 hr. 092 092	Volume (gal.) 77 7 7 14 21 27 27 35 35	Sedimei	Conductivity (umhos/cm) 8.16 743	Volume:	D.O. ORP (mg/L) (mV)	——————————————————————————————————————
Purging Flow F Did well de-wa Time (2400 hr. OF 2 OF 2 OF 2 OF 3	Volume (gal.) 77 7 7 14 21 27 27 35 35	Sedimei	Conductivity (umhos/cm) 8.16 74.3	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 043 043	Volume (gal.) 77	Sedimei	Conductivity (umhos/cm) 8.16 74.3	Volume:	D.O. ORP (mg/L) (mV)	——————————————————————————————————————
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 093	Volume (gal.) 7	Sedimei	Conductivity (umhos/cm) 8.16 74.3	Volume:	D.O. ORP (mg/L) (mV)	——————————————————————————————————————
Purging Flow F Did well de-wa Time (2400 hr. OF2 OF2 OF3 OF3 OF4 OF4 OF7 OF7 OF7 OF7 OF7 OF7	Volume (gal.) 7	Sedimel If yes, Time pH 7.24 - 7.24 - 7.54 - 7.21 - 7.81	Conductivity (umhos/cm) 8.16 74.3 20.5 6.31 \$.73	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 093 094 094 094 094	Rate: 2 gpm. ter? 12 5 Volume (gal.) 77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Sedimel If yes, Time pH 7.24 - 7.43 - 7.49 - 7.54 - 7.87 - 7.87	Conductivity (umhos/cm) 8/6 743 205 631 \$72	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Volume (gal.) 77	Sedimel If yes, Time pH 7.24 7.49 7.54 7.21 7.87 LAI REFRIG.	Conductivity (umhos/cm) 8 16 743 205 6 74 6 31 5 73	Temperature (G/F) (78-/ (8-7)	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 093 094 094 094 094	Volume (gal.) 77 74 94 91 92 93 93 94 94 94 95 95 96 97 97 97 97 97 97 97 97 97	Sedimel If yes, Time pH 7.24 7.43 7.49 7.54 7.21 7.84 LAI REFRIG. YES	Conductivity (umhos/cm) 8 16 743 205 674 631 \$775	Volume:	D.O. ORP (mg/L) (mV)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Volume (gal.) 77	Sedimel If yes, Time pH 7.24 7.49 7.54 7.21 7.87 LAI REFRIG.	Conductivity (umhos/cm) 8 16 743 205 6 74 6 31 5 73	Temperature (G/ F) (77) (8-/ (8-2) (3-2) (7-9) (D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Volume (gal.) 77 74 94 91 92 93 93 94 94 94 95 95 96 97 97 97 97 97 97 97 97 97	Sedimel If yes, Time pH 7.24 7.43 7.49 7.54 7.21 7.84 LAI REFRIG. YES	Conductivity (umhos/cm) 8 16 743 205 674 631 \$775	Temperature (G/ F) (77) (8-/ (8-2) (3-2) (7-9) (D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Volume (gal.) 77 74 94 91 92 93 93 94 94 94 95 95 96 97 97 97 97 97 97 97 97 97	Sedimel If yes, Time pH 7.24 7.43 7.49 7.54 7.21 7.84 LAI REFRIG. YES	Conductivity (umhos/cm) 8 16 743 205 674 631 \$775	Temperature (G/ F) (77) (8-/ (8-2) (3-2) (7-9) (D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 099 099 099 099	Volume (gal.) 77	Sedimel If yes, Time pH 7-24 7-49 7-54 7-27 7-84 LAI REFRIG. YES YES	Conductivity (umhos/cm) 8/6 743 205 G74 G31 \$75 BORATORY INFO PRESERV. TYPE HCL NP	Temperature (C) F) (78 (8-1 (8-2 (3-2 (3-2 (3-4)	D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021) TPH-Dw/sg(8015)	
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Rate:	Sedimel If yes, Time pH 7-24 7-49 7-54 7-27 7-84 LAI REFRIG. YES YES	Conductivity (umhos/cm) 8/6 743 205 G74 G31 \$75 BORATORY INFO PRESERV. TYPE HCL NP	Temperature (C) F) (78 (8-1 (8-2 (3-2 (3-2 (3-4)	D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021)	Inne te
Purging Flow F Did well de-wa Time (2400 hr. 092 092 093 093 094 094 094 094 094 094	Volume (gal.) 77 74 74 73 73 74 77 74 77 74 77 77	Sedimel If yes, Time pH 7-24 7-49 7-54 7-27 7-84 LAI REFRIG. YES YES	Conductivity (umhos/cm) 8 16 743 205 674 631 \$775	Temperature (C) F) (78 (8-1 (8-2 (3-2 (3-2 (3-4)	D.O. ORP (mg/L) (mV) ANALYSES TPH-G(8015)/BTEX(8021) TPH-Dw/sg(8015)	nene te,

Client/Facility #: Chevron #206145	Job Number: 386492
Chrock	Event Date: 4/20/07
Site Address: 800 Center Street	Sampler: 144 G 12,
City: Oakland, CA	10 / November NIFILL
Well ID Well Diameter Initial Total Depth Final Total Depth Depth to Water Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Diate Monitored: Volum Factor XVF	Time Started: (2400 hrs) Time Completed: (2400 hrs) Time Completed: (2400 hrs) The Broduct: ft
Start Time (purge): Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) Time (2400 hr.)	ption: CLOUDY OUDI. 700 ption: CLOUDY OUDI. 7
SAMPLE ID (#) CONTAINER REFRIG. PRESER MW- 15 3 x voa vial YES HC 2 x 500ml Amber YES N	CL LANCASTER TPH-G(8015)/BTEX(0021)
COMMENTS: WELL DEWATERS	(runor)
	Add/Replaced Plug: Size:
Add/Replaced Lock:	

Client/Facility #: Chevron #206145	Job Number: 386492
Official demy	Event Date: 4/20/07
OKC / ICC	Sampler: HAIG K
City: Oakland, CA	10 1 1 11 12 11 1
Well ID Well Diameter Initial Total Depth Final Total Depth Depth to Water Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Date Monitored: Volume Factor Volume Factor Sampling Equipm Disposable Bailer Pressure Bailer Discrete Bailer Other:	e 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38 (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80 x10 (case volume) = Estimated Purge Volume:
Other:	Water Removed:gal
	Product Transferred to:
Purging Flow Rate: 2 - 3 gpm. Sediment Descrip Did well de-water? Time (2400 hr.) Volume (gal.) PH Conductivit (u mhos/cn)	olor: (* (OUD) Odor:
LABORATOR	YINFORMATION
DDESERV	TYPE LABORATORY ANALYSES
MW- 6 3 x voa vial YES HCL	TPH Dw/sq(8015)
x 500ml Amber YES NP	LANGASTEN THE STATE OF THE STAT
COMMENTS: LIEU DEWATERS	(PURGED 6 CASIS VOLUMES)
	Add/Roplaced Plug: Size:
Add Replaced Lock:	Add/Replaced Plug: Size:
\mathcal{L}	

	#2061 <i>4</i> 5	Job Number:	386492
	vron #206145	Event Date:	4/20/07
	Center Street	Sampler:	1+A16 K.
city: Oakl	land, CA		イ Well Condition: ルドル
	MW- 17 Date Monitor	red: <u>4/20/07</u>	Well Condition:
Vell ID	2 in.		1"= 0.04 2"= 0.17 3"= 0.38
Nell Diameter	V 10 1	olume 3/4"= 0.02	1"= 0.04 2 - 0.17
nitial Total Depth	3.08 ft.	actor (VF) 4"= 0.66	
Final Total Depth			8 1 and
Depth to Water	9.50th.	7,7 x10 (case volu	me) = Estimated Purge Volume: 7 gal. Time Started: (2400 hrs)
5	 ((0.400 kms)
_ = = =	Sampling Eq		Time Completed: (2400 ftls) Depth to Product: ft
Purge Equipment:	Disposable B		Denth to Water:
Disposable Bailer Stainless Steel Bailer	Pressure Bai		— Lydrocarbon Thickness:
Stack Pump	Discrete Bail	er	Visual Confirmation/Description:
Suction Pump	Other:		Skimmer / Absorbant Sock (circle one)
Grundfos			Amt Removed from Skimmer: gal Amt Removed from Well: gal
Other:			Water Removed:gal
			Product Transferred to:
		nditions: CLOI	
Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.)	Volume (gal.) Volume (gal.) 10 7.39 7.33 5 7.28 5 7.28	uctivity Temperaturos/cm) (C) F	10 /S Ogal. ure D.O. ORP (mg/L) (mV)
1050	50 DEWAY 60	ERED 4	
1 U	70 20 90 LABOR/	ATORY INFORMATIO	WAITED I HA GOYA RECOVERS
1124	60 70 80 90 LABORA	ATORY INFORMATIO SERV. TYPE LABOR	ON ANALYSES
SAMPLE ID	LABORA (#) CONTAINER REFRIG. PRE 3 x voa vial YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANCE	IN RATORY ANALYSES ASTER TPH-G(8015)/BTEX(8021)
SAMPLE ID	#) CONTAINER REFRIG. PRE	ATORY INFORMATIO SERV. TYPE LABOR HGI LANC	N ANALYSES ASTER TPH-G(8015)/BTEX(8021)
SAMPLE ID	LABORA (#) CONTAINER REFRIG. PRE 3 x voa vial YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANCE	IN RATORY ANALYSES ASTER TPH-G(8015)/BTEX(8021)
SAMPLE ID MW-17	#) CONTAINER REFRIG. PRE X voa vial YES X x 500ml Amber YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANCA	ANALYSES ASTER TPH-G(8015)/BTEX(8021) ASTER TPH-Dw/sg(8015)
SAMPLE ID MW-17	#) CONTAINER REFRIG. PRE X voa vial YES X x 500ml Amber YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANCA	ANALYSES ASTER TPH-G(8015)/BTEX(8021) ASTER TPH-Dw/sg(8015)
SAMPLE ID MW- 137	#) CONTAINER REFRIG. PRE X voa vial YES X x 500ml Amber YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANCA	ANALYSES ASTER TPH-G(8015)/BTEX(8021) ASTER TPH-Dw/sg(8015)
SAMPLE ID MW-17	#) CONTAINER REFRIG. PRE X voa vial YES X x 500ml Amber YES	ATORY INFORMATIO SERV. TYPE LABOR HCL LANC. NP LANC.	IN RATORY ANALYSES ASTER TPH-G(8015)/BTEX(8021)

Chevron California Region Arialysis Request/Challed Costody

413	Lancaster	Laboratories science
47	Where quality is a	science.

			For La	IUCSELEL FEDOLSCOLLER FIRE GUIÀ			
	Acct #	10904	Sample #:	5035769-78	S	CR#:	
	Pucke π ₁						. 1
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	046	50 PO 1					,	Anah	/50\$ R	equested	3	٠.	1037	773	
00-2004 45 OM 0 D-200640	12 Clabal IDE	T0600102230	Matrix					Pres	ervatio	n Codes			Preserval	ive Codes	
Facility #: SS#206145-OML G-R#38649		10000102230			H	H_{\perp}	1_			1	1-1		-1 *** ****	T = Thiosulf B = NaOH	fate
Site Address 800 CENTER STREET, OAKL						g			-			.		O = Other	
Chevron PM:SS Lead	Consultant: CR	ACE	ا اه ا	ຄ		Gel Cleanup						. [.	☐ J value report	ng needed	
Consultant/Office: G-R, Inc., 6747 Sierra Consultant/Office: G-R, Inc., G-R, In	urt, Suite J, D	ublin, Ca. 9455	PDE	taine	8021	<u> </u>							☐ Must meet low		
Consultant Prj. Mgr. Deanna L. Harding (de	enna@grinc.	com)	Potable	of Containers	Π								possible for 82		as
Consultant Phone #:925-551-7555 Fax #: 925-551-7899				r of			} [ري ا	7421				8021 MTBE Con		,
Sampler: HAIG KEVORK / STE	VE HUN	TER		Total Vumber		TPH 8015 MOD GRO		Oxygenates					☐ Confirm all hit		
	on SAR:		Position of the position of th	2	7	2015	8260 full scan	ő	7420				Run oxy		L
	Date Collected	Time & Collected O	Soil Water Oil Air [흥	E E	TPH 8015 MOD	987	11	P897				Runoxy	s on all hits	
Sample Identification	14/20/07	COMPCIES		2	X	X			\sqcap				Comments / F	temarks	
MW-9	1700/01	1305 X		5	X	X							_		1
MW-10		1140 X		5	X	X	\leq								Ì
MW-11		0855X		5	X	X	S _	1_	-	_ -			4		į
MW-12		1005 X		5	X	Ж	X -K	+	1			-	-	• .	
Mw-13	11	0855 X	-	12	X	❈	\dashv	+-	+-+	++	╅	 			
WM-14	1 1 1	1010		12	Θ	\Rightarrow	+	+	++	++	+-		-		•
MW-15	1 1 1	1320 X	$+ \Diamond +$	12	\Diamond	\diamondsuit	\Rightarrow	+-	++	11	_	<u> </u>	-	-	ļ
<u> </u>	1	1430 X		녆	X	\bigotimes	\Rightarrow	+	11	11	1				
MW-17	- "NE"	1002	111	1											}
											_ _				
					لہ			┦,	للل					Date .	Time
Turnaround Time Requested (TAT) (please ci	mla)	Relipendshed	YKD(YL AA	Œ	 		ນ 14∕2		Time	Receiv	өа руг	()	Varne	1/23/9	
STD. TAT 72 hour 48 hou		Relinquished t	A A A	×z	_	<i></i>	Pa	_	Time	Receiv	ed by:		1 1 1 1	Date	Time
24 hour 4 day 5 day			" ~ 1	<u>) </u>	on	N.	4/2	_	7_	1	12.00	4/	high	1/23/07	
Data Package Options (please circle if required)		Evelinquished	ру: //		_		4-23		Time /530	Receiv	red by	14		Date // Colo	Time
QC Summary Type ! — Full		Lude	by Commercial 29	45	-	~	4	0 [1220	Recei	ed by:	7//		Date	Time
Type VI (Raw Data) Coelt Deliverable not nee	dEDF/EDD	l i		Other	(DI	40				ko-	₹ ()	Binkla	4-24-	100
WIP (RWQCB)			Jpon Receipt"		م دها.	ر ان در	<u> </u>	منق		Custo	dy Sea	s Intaci	Yes No.	N 1	
Disk		Temperature (Sport (coop)			- 1	UN.	Y						<u> </u>	

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3460 Rev. 7/30/01

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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

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			Lancaster Labs Number
QA-T-070420	NA V	Vater	5035769
MW-9-W-070420	Grab	Water	5035770
· · ·	Grab	Water	5035771
MW-10-W-070420	Grab	Water	5035772
MW-11-W-070420		Water	5035773
MW-12-W-070420	Grab		5035774
MW-13-W-070420	Grab	Water	5035775
MW-14-W-070420	Grab	Water	5035776
MW-15-W-070420	Grab	Water	5035777
MW-16-W-070420	Grab	Water	5035777
MW-17-W-070420	Grab	Water	3033118

ELECTRONIC COPY TO

Cambria c/o Gettler-Ryan

Attn: Cheryl Hansen



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

Respectfully Submitted,

Susan M. Goshert

Dewan M Goshard

Group Leader



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Page 1 of 1

5035769 Lancaster Laboratories Sample No.

QA-T-070420

GRD

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

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

_	WILTU				As Received		Dilution
	CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Factor
	01729 01730	TPH-GRO - Waters TPH-GRO - Waters The reported concentration of Tagasoline constituents eluting patent time.	n.a. TPH-GRO does no prior to the C6	N.D. t include MTBE o (n-hexane) TPH-	50. r other GRO range	ug/l	1
·	05879 02161 02164 02166 02171	BTEX Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/1 ug/1 ug/1 ug/1	1 1 1

State of California Lab Certification No. 2116

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



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Page 1 of 1

Lancaster Laboratories Sample No. 5035770

MW-9-W-070420

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-9

Collected: 04/20/2007 13:05

Account Number: 10904

Submitted: 04/24/2007 10:05

Chevron

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 06/04/2007

(Waters)

JŁ	11	`	_	9	

Analysis Name	CAS Number	As Received Result	Method Detection	Units	Dilution Factor
TPH-DRO (Water) w/Si Gel	n.a.	1,100.	290.	ug/l	.10
TPH-GRO - Waters					
TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does not rior to the C6	4,100. include MTBE c (n-hexane) TPH-	50. or other GRO range	ug/1	1
BTEX					
Benzene Toluene Ethylbenzene	71-43-2 108-88-3 100-41-4 1330-20-7	28. 6.9 9.2 240.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
	TPH-DRO (Water) w/Si Gel TPH-GRO - Waters TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time. BTEX Benzene Toluene	TPH-DRO (Water) w/Si Gel n.a. TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does not gasoline constituents eluting prior to the C6 start time. BTEX Benzene 71-43-2 Toluene 108-88-3 Ethylbenzene 100-41-4	Analysis Name CAS Number Result TPH-DRO (Water) w/Si Gel n.a. 1,100. TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE of gasoline constituents eluting prior to the C6 (n-hexane) TPH-start time. BTEX Benzene 71-43-2 28. Toluene 108-88-3 6.9 Ethylbenzene 100-41-4 9.2	Analysis Name CAS Number Result Detection Limit 290. TPH-DRO (Water) w/Si Gel n.a. 1,100. 50. TPH-GRO - Waters TPH-GRO - Waters n.a. 4,100. 50. 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. BTEX Benzene 71-43-2 28. 0.5 Toluene 108-88-3 6.9 0.5 Ethylbenzene 100-41-4 9.2 0.5	Analysis Name CAS Number Result Detection Limit 290. ug/l TPH-DRO (Water) w/Si Gel n.a. 1,100. 50. ug/l TPH-GRO - Waters TPH-GRO - Waters n.a. 4,100. 50. ug/l 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. BTEX Benzene 71-43-2 28. 0.5 ug/l Toluene 108-88-3 6.9 0.5 ug/l Ethylbenzene 100-41-4 9.2 0.5 ug/l

State of California Lab Certification No. 2116

		Laboratory	Chro	N1C16 Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 05/03/2007 06:15 04/25/2007 13:48	Analyst Heather E Williams Linda C Pape	Factor 10 1
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	04/25/2007 13:48 04/25/2007 13:48 04/26/2007 11:00	Linda C Pape Linda C Pape Mariam G Attalla	1 1 1



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5035771 Lancaster Laboratories Sample No.

MW-10-W-070420

GRD

Facility# 206145 Job# 386492

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

Chevron

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK10

CAT			As Received Result	As Received Method Detection	Units	Dilution Factor
No.	Analysis Name	CAS Number		Limit	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	260.	50.	~g/ -	
01729	TPH-GRO - Waters				/1	1
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the Co	1,200. ot include MTBE of (n-hexane) TPH-	50. or other GRO range	ug/1	
05879	BTEX	•		0.5	ug/l	1
02161	Benzene	71-43-2	29.	0.5 0.5	ug/l	1
02164	Toluene	108-88-3	31.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	11.	1.5	ug/l	1
02171	Total Xylenes	1330-20-7	140.	1.5	-	

State of California Lab Certification No. 2116

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



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5035772 Lancaster Laboratories Sample No.

MW-11-W-070420

GRD

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

Collected: 04/20/2007 08:55

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

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

State of California Lab Certification No. 2116

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



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Page 1 of 1

5035773 Lancaster Laboratories Sample No.

MW-12-W-070420

Grab

GRD

Facility# 206145 Job# 386492

MW-12

800 Center Street-Oakland T0600102230

Water

Collected: 04/20/2007 10:05

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40

Chevron 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 06/04/2007

OAK12

OAK12			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units ug/l	Factor 1
06610	TPH-DRO (Water) w/Si Gel	n.a.	430.	50.	α9/ ±	
01729	TPH-GRO - Waters			50.	ug/l	1
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the C6	400. ot include MTBE of (n-hexane) TPH-	or other		
05879	BTEX					4
		71-43-2	2.3	0.5	ug/l ug/l	1
02161	Benzene	108-88-3	40.	0.5	_	1
02164	Toluene	100-41-4	14.	0.5	ug/1	1
02166	Ethylbenzene	1330-20-7	49.	1.5	ug/l	7
02171	Total Xylenes	1330-20-7			-	

State of California Lab Certification No. 2116

		Laboratory	Chro	Auglant		Dilution Factor
06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B mod	1	Date and Time 04/27/2007 08:21 04/25/2007 14:51 04/25/2007 14:51	Analyst Heather E Williams Linda C Pape Linda C Pape	1 1 1
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH (Waters)	SW-846 8021B SW-846 5030B SW-846 3510C	1	04/25/2007 14:51 04/26/2007 11:00	Linda C Pape Mariam G Attalla	. 1



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Page 1 of 1

Lancaster Laboratories Sample No. 5035774

MW-13-W-070420

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected: 04/20/2007 08:55

MW-13

Account Number: 10904

Submitted: 04/24/2007 10:05

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

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

OAK13

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

State of California Lab Certification No. 2116

		Laboratory	Chro	N1CIE Analysis		Dilution
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
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	1	04/25/2007 15:12	Linda C Pape	1
		mod SW-846 8021B	1	04/25/2007 15:12	Linda C Pape	1
05879	BTEX	SW-846 5030B	1	04/25/2007 15:12	Linda C Pape	1
01146 02376	GC VOA Water Prep Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



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Page 1 of 1

5035775 Lancaster Laboratories Sample No.

MW-14-W-070420

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:04/20/2007 10:10

Account Number: 10904

Submitted: 04/24/2007 10:05

Chevron

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

(Waters)

San Ramon CA 94583

OAK14

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

State of California Lab Certification No. 2116

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



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Page 1 of 1

5035776 Lancaster Laboratories Sample No.

Grab MW-15-W-070420

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-15

Collected:04/20/2007 13:20

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK15

				As Received		_
			As Received	Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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	n.a.	240. t include MTBE o	50. or other	ug/l	1
	The reported concentration of gasoline constituents eluting start time.	prior to the C6	(n-hexane) TPH-	-GRO range		
05879	BTEX					
		71-43-2	1.0	0.5	ug/l	1
02161	Benzene	108-88-3	1.3	0.5	ug/l	1
02164	Toluene	100-41-4	N.D.	0.5	ug/l	1
02166 02171	Ethylbenzene Total Xylenes	1330-20-7	20.	1.5	ug/l	1 .

State of California Lab Certification No. 2116

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



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Page 1 of 2

Lancaster Laboratories Sample No. 5035777

MW-16-W-070420

Grab.

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

GRD

Collected:04/20/2007 14:30

by HK

Account Number: 10904

As Received

Submitted: 04/24/2007 10:05

Chevron

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 06/04/2007

OAK16

CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel	CAS Number	As Received Result 2,200.	Method Detection Limit 300.	Units	Dilution Factor
01729	TPH-GRO - Waters					·
01730	TPH-GRO - Waters The reported concentration of Tigasoline constituents eluting postart time. The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	analysis did le nature of t to adjust the	not have a pH < he analytes, it	2 at the time is not	ug/l	5
05879	BTEX		•			
02161 02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	to adjust the	the analytes, re	. 10	ug/l ug/l ug/l ug/l	5, 5 5 5

State of California Lab Certification No. 2116

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



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Page 2 of 2

5035777 Lancaster Laboratories Sample No.

MW-16-W-070420 Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230 MW-16 by HK

Collected: 04/20/2007 14:30

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 (Waters)

SW-846 3510C

04/26/2007 11:00

Mariam G Attalla



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Page 1 of 1

5035778 Lancaster Laboratories Sample No.

MW-17-W-070420

Grab

Facility# 206145 Job# 386492

Water

GRD

800 Center Street-Oakland T0600102230 MW-17 Collected: 04/20/2007 12:25

Account Number: 10904

Chevron

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:41 6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK17

CAT		· .	As Received Result	Method Detection	Units	Dilution Factor
No.	Analysis Name	CAS Number		Limit	ug/l	5
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,300.	150.	ug/1	
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	7,400. t include MTBE c (n-hexane) TPH-	250. or other GRO range	ug/l	5
05879	BTEX					
	Tau none	71-43-2	66.	2.5	ug/l ug/l	5
02161	Benzene Toluene	108-88-3	880.	2.5	ug/l	5
02164 02166 02171	Ethylbenzene Total Xylenes	100-41-4 1330-20-7	300.	2.5	ug/l	5

State of California Lab Certification No. 2116

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



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Page 1 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1034918

Reported: 05/04/07 at 10:41 AM

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

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 071150025A TPH-DRO (Water) w/Si Gel	Sample n	umber(s): 29.	5035770-50 ug/l	35778 96	94	63-119	3	20
Batch number: 07115A54A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample n N.D. N.D. N.D. N.D. N.D.	number(s): 50.5 0.5 0.5 1.5	5035769-50 ug/l ug/l ug/l ug/l ug/l	935778 124 98 97 98 99	122 100 99 100 101	75-135 86-119 82-119 81-119 82-120	1 2 2 3 2	30 30 30 30 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 <u>Limits</u>	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07115A54A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample 98 111 110 111 112	number 96 110 110 111 111	(s): 503576: 63-154 78-131 78-129 75-133 84-131	9-50357 1 1 0 0 0	30 20 30 30 30 30	PK: P035808,	P035814		

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.



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Page 2 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1034918

Reported: 05/04/07 at 10:41 AM

Surrogate Quality Control

Blank 120 119 LCSD

Limits:

59-131 Limits:

Analysis Name: BTEX Batch number: 07115A54A Trifluorotoluene-F Trifluorotoluene-P 91 5035769 92 113 5035770 85 93 5035771 86 85 85 5035772 5035773 93 5035774 92 87 94 90 5035775 83 5035776 166* 5035777 88 5035778 86 90 Blank 86 101 LCS 86 101 LCSD 86 96 MS 86 94 MSD 69-129 63-135

*- Outside of specification

(2) The background result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

umhos/cm micromhos/cm	C Cal meq g ug ml	degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s)	F lb. kg mg l ul	pound(s) kilogram(s) milligram(s) liter(s)
-----------------------	----------------------------------	---	---------------------------------	---

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

Inorganic Qualifiers

- parts per billion ppb
- Results printed under this heading have been adjusted for moisture content. This increases the analyte weight Dry weight concentration to approximate the value present in a similar sample without moisture. basis

U.S. EPA data qualifiers:

Organic Qualifiers

Defined in case narrative

Organic Quanners	
 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 quatitated 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 	B Value is <crdl, (msa)="" <0.995<="" additions="" amount="" analysis="" but="" calculation="" coefficient="" compound="" control="" correlation="" detected="" digestion="" due="" duplicate="" e="" estimated="" for="" injection="" interference="" limits="" m="" met="" method="" msa="" n="" not="" of="" out="" post="" precision="" s="" spike="" standard="" td="" to="" u="" used="" was="" within="" ≥idl=""></crdl,>

X,Y,ZAnalytical 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.

	Chevron #206	145	:	Job Number:	386492			-
Client/Facility #:	800 Center Str			Event Date:	6.7	20	7	_(inclusive)
Site Address:		eet		Sampler:	DAM	M		
City:	Oakland, CA			Campion.				_
	MW-9	Date	Monitored: €	3-22-07	Well C	ondition:	see we	-55
Well ID	2				1"= 0.04	2"= 0.17	3"= 0.38	7
Well Diameter	78.97 ft.		Volume Factor (V	3/4"= 0.02 (F) 4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80	
Total Depth			<u> </u>	*/			1 @-	
Depth to Water	9-60 ft. 73-97 x	F 17	_ 4.9	_x3 case volume=	Estimated Pu	irge Volume:	77	gal.
	25.91_x	/F <u></u>			Time Sta			(2400 hrs)
m Faulaments		Sam	pling Equipmer	nt:	Time Co	mpleted:		_(2400 hrs)
Purge Equipment:		Disp	osable Bailer			Product:	· · · · · · · · · · · · · · · · · · ·	ft
Disposable Bailer Stainless Steel Baile		Pres	sure Bailer		Depth to	Water: rbon Thickne	es: 0	
Stack Pump		Disc	rete Bailer	·	- Hydroca Visual C	onfirmation/[Description:	
Suction Pump		Othe	r:		-1			
Grundfos					Skimme	r / Absorban	t Sock (circle (Skimmer:	one) aal
Other:					Amt Rer	noved from \	Well:	gal
					Water R	emoved:		
					Product	Transferred	to:	
				s cle	In			
Start Time (pur	ge): 1310	Weath	er Condition	·		Odor:	NO	
Sample Time/D	Date: 133016	-22-07	Water Cold	or: <u>Clov</u> n: Mo				
Purging Flow F	Rate: 2.0 gpm.	Sedime	ut nescribrio	11		gal.		
Did well de-wa	ter?	If yes, Tim	e:	Volume:				
	Volume		Conductivity	Temperature).O.	ORP (mV)	
Time (2400 hr.)		pН	(u mhos/cm)	(Ø/ F) (1	ng/L)	(1114)	•
1313	5	8.03	818	$\frac{21.1}{12.2}$				
1316	70	7.78	774_	20.3				
1319	15.	7.71	765	20.1				:
		<u> </u>						
		1.01	RORATORY II	NFORMATION				
	(#) CONTAINER	REFRIG.	PRESERV. TY	PE LABORATO	RY		ALYSES	
SAMPLE ID			HCL	LANCASTE		3(8015)/BTE		
MW- 9	2 x 500ml Amber	YES	NP	LANCAST	ER TPH-)w/sg(8015)		
	X 300mm and							
		 						
		L	<u> </u>					
COMMENTS	•		=					
COMMENTS	•							
								·
	~	/		Add/Replace	A)Dlua		Size: 2	•
Add/Rep	placed Lock:			Add/Replace	- Pari ing.			



	Chevron #206	140	Job Number: 38	1-10-07	(incluses to
Site Address:	300 Center Str		Eveni Bate.	6-22-07	(inclusive
	Oakland, CA		Sampler:	DAN M	
Well ID	MW- (0	Date Monitored:	6-22-07	Well Condition: 566 4	1C55
Well Diameter	2	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.38	
Total Depth	5892 ft.	Factor (\	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i"= 1.02 6"= 1.50 12"= 5.80	
Depth to Water	9.70 ft.	12 61	_	imated Purge Volume: 249	gal.
· · · · · · · · · · · · · · · · · · ·	49,22 x	/F=	x3 case volume= Est	imated Purge Volume:	
	* .		1	Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:		Sampling Equipme	nt:	Time Completed: Depth to Product:	
Disposable Bailer		Disposable Bailer		Denth to Water:	ft
Stainless Steel Bailer		Pressure Bailer		Hydrocarbon Thickness:	ft
Stack Pump		Discrete Bailer		Visual Confirmation/Description:	
Suction Pump	·	Other:		Skimmer / Absorbant Sock (circle	2 000)
Grundfos				Amt Removed from Skimmer:	gal
Other:			•	Amt Removed from Well:	gal
				Water Removed:	·
				Product Transferred to:	
	*	•			
	1700	Weather Condition	s: CLE	AR	
Start Time (purge)	: 1235	VVeather Condition			
Sample Time/Dat	e: 1300 16.	27-07 Water Cold		cle -	
Purging Flow Rat		Sediment Description	'II.		
Did well de-water	?	If yes, Time:	Volume	· · · · · · · · · · · · · · · · · · ·	
Time	Volume	Conductivity	Temperature	D.O. ORP	
(2400 hr.)	(gal.)	pH (u mhos/cm)	$(\bigcirc I F)$	(mg/L) (mV)	•.
1239	%	10.96 348	20.9		
1243	16	10.51 378	20.8		 `
1247	25	9.19 1023	20.9		
1250	32	9.08 1053	21.0		
		LABORATORY II	NEORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG. PRESERV. TY		ANALYSES	
	3 x voa vial	YES HCL	LANCASTER	TPH-G(8015)/BTEX(8021)	
MW- (O	2 x 500ml Amber	YES NP	LANCASTER	1TPH-Dw/sg(8015)	
	- A 200HII AHIDOI				
	1				
	<u> </u>		· I		
					l.
COMMENTS:					
COMMENTS:					
COMMENTS:				Plug:Size: 7	



	hevron #2061		Job Number:	386492 6-22-07	 (inclusive)
Site Address: 80	00 Center Stre	eet	Event Date:	<u> </u>	
	akland, CA		Sampler:	- Aurone	
Well ID	MW-\\	Date Monitored:	6.22.7	Well Condition: Sec 12	220
Well Diameter	2	Volume	3/4"= 0.02		,
Total Depth	39.64 A	Factor		5"= 1.02 6"= 1.50 12"= 5.80	
Depth to Water	9.33 ft.	= 11 = 5.1	x3 case volume=	Estimated Purge Volume: 53	gal.
	30.31 xV			Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:	2 2	Sampling Equipm	ent:	Time Completed:	(2400 1113) ft
Disposable Bailer		Disposable Bailer		Depth to Product: Depth to Water:	ftft
Stainless Steel Bailer		Pressure Bailer		Hydrocarbon Thickness:	ft
Stack Pump		Discrete Bailer		Visual Confirmation/Description:	
Suction Pump		Other:			
Grundfos				Skimmer / Absorbant Sock (circle Amt Removed from Skimmer:	gal
Other:				Amt Removed from Well:	gal
				Water Removed:	
				Product Transferred to:	
			•		
			6		
Start Time (purge):	153	Weather Condition		yell Odor: No	<u> </u>
Sample Time/Date	e: 1215 16	Vater Co		light	
Purging Flow Rate	a· 45/ apm.	260illieur pesoubr			
Did well de-water		If yes, Time:	Volume: _		
		Conductivity	Temperatur	e D.O. ORP	
Time	Volume (gal.)	pH (umhos/cm)	/A \ F	(mV)	
(2400 hr.)		7.98 699	$-\frac{\omega_{\omega}}{2}$	1	
1150	10	7.45 612	<u> </u>		
1701	15	725 554	_ 19	<u> </u>	
		LABORATORY	INFORMATION		
	L (#) CONTAINED I	REFRIG. PRESERV. 1	YPE LABORAT	ORY ANALYSES	
SAMPLE ID	(#) CONTAINER		LANCAS	TER TPH-G(8015)/BTEX(8021)	
MW- \	3 x voa vial	YES HCL YES NP	LANCAS		
	2_ x 500ml Amber	163			
	 				
	 				
COMMENTS:					
				0 0	V
		-	Add/Replac	ced Plug: Size:	
Add/Replac	ced Lock: 🔼	<u> </u>	* *** ** * * * * * * * * * * * * * * *		



		1 5	Job	Number: 3	86492	
Client/Facility #:	nevron #200 i	45 of		ent Date:	10.22.7	(inclusive)
	00 Center Stre	:et		mpler:	Aaron	<u>C</u>
City:	Dakland, CA					
	2004 10	Date	Monitored: 6	21-1	Well Condition:	su wess
Well ID _	MW- 12	Daile	- Ψ		1"= 0.04 2"= 0.17	3"= 0.38
Well Diameter	2		Volume	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	12"= 5.80
Total Depth	58-20 ft.		Factor (VF)		0 - 1102	
Depth to Water	10.71 ft.	.17	= 8-0_x3	case volume= E	stimated Purge Volume:_	24 gal.
·	<u>47.49</u> ×1	<u> </u>	_ = <u>0 > 0</u> x3	Case volume	Time Started:	
		Com	pling Equipment:		Time Completed:	(2400 hrs)
Purge Equipment:	**		osable Bailer		Depth to Product:	π_
Disposable Bailer			sure Bailer		Depth to Water:	ft
Stainless Steel Bailer			rete Bailer		Hydrocarbon Thicknes Visual Confirmation/D	
Stack Pump			er:			
Suction Pump		Olino		-	Skimmer / Absorbant	Sock (circle one)
Grundfos					Amt Removed from S	kimmer: gai
Other:					Amt Removed from V Water Removed:	veii 90.
					Product Transferred	0:
			,			
					المستحد المستحدا	
	1256	Weath	ner Conditions:		NNY	1/2
Start Time (purge	te: 1500 16	77.	Water Color:	Che	odor:	_ <i>\ro_</i>
Sample Time/Da	te. 15 Conm		nt Description:		1/5/1/	
Purging Flow Ra		If ves. Tim	ne: 1301	Volume:	gál.	
Did well de-wate	- YO	,, you,		Temperature	D.O.	ORP
Time	Volume	рН	Conductivity (u mhos/cm)	(C) / F) (mg/L)	(mV)
(2400 hr.)	(gal.)	1.65	403	24.1		
1301	_ -	(6-4)				
<u></u>		·				
		I A	BORATORY INFO	RMATION	AM	ALYSES
	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATO	TO THE TOTAL PROPERTY.	
SAMPLE ID	x voa vial	YES	HCL	LANCASTE		\(\(\text{0021}\)
MW- 17	× 500ml Amber	YES	NP	LANCASTE	R TPH-Dw/sg(8015)	
	X 300IIII 7 WILDON					
				}		
			ļ	ļ		
4		 				
				1		
49				-		
			<u></u>			
age of the second						
COMMENTS:						
				····		
	· · · · · · · · · · · · · · · · · · ·	/ 			N.	Sinal ZV
	d cd/: X			Add/Replace	ed Plug:	OIKE.
Add/Repla	aced Lock:				•	



GETTLER-RYAN INC.

	hevron #206	145	· ·	Job Number:	386492
	00 Center St		<u> </u>	Event Date:	6-22-07 (inclu
	okland, CA			Sampler:	DANM
Oity.				177-07	Well Condition: gee wcsっ
Well ID Well Diameter	7843 ft.	Date I	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.38 5"= 1.02 6"= 1.50 12"= 5.80
Total Depth	38-13 1L 9 44 ft		Factor (VF	<u>′</u>	15
Depth to Water _		VF 217	<u> </u>	x3 case volume=	Estimated Purge Volume: 13 gal.
-	(0-1)				Time Started: (2400 hr
Purge Equipment:		•	ling Equipment		Time Completed:(2400 b
Disposable Bailer	·	•	sable Bailer	<u> </u>	Depth to Water:
Stainless Steel Bailer			ure Bailer		Hydrocarbon Thickness:
Stack Pump			ete Bailer		Visual Confirmation/Description:
Suction Pump		Otner	•		Skimmer / Absorbant Sock (circle one)
Grundfos			* .		Amt Removed from Skimmer:
Other:					Amt Removed from Well:
	-				Water Removed: Product Transferred to:
					Product Hansierred to.
				· •	
Start Time (purge)	. 1155	Weathe	er Conditions	CL	EAR
Sant Time (pulge)	122016	22-07	Water Color	541641169	CLOUDY Odor: SLIGHT
Purging Flow Rate	e 2.0 gpm.	Sedimer	t Description	NO	
Did well de-water		If yes, Time	e:	Volume:	gal.
Time	Volume	pН	Conductivity (umhos/cm)	Temperature	
(2400 hr.)	(gal.)	6.92	E-6-7	20.3	
1158		6.85	569	19.7	
1201	- 12 -	6.82 -	572	19.7	
1204					
			ORATORY INI		RY ANALYSES
SAMPLE ID	(#) CONTAINER		HCL	LANCASTE	R TPH-G(8015)/BTEX(8021)
MW-	ス x voa vial え x 500ml Amber	YES YES	NP.	LANCASTE	
	Z X SUUMI AMBEI				
		<u> </u>			
		 	· · · · · · · · · · · · · · · · · · ·	+	
		 		_	
	<u> </u>	<u> </u>			
COMMENTS:					
COMMENTO.					
					
				Add/Danlage	d Plug: Size:
Add/Replac	ed Lock:			Add/Replace	u i lug.
·					



GETTLER-RYAN INC.

/=:::#. C	hevron #2061	15	Jol		386492			- (inclusive)
JIIO1101 0.0	00 Center Stre		Ev	ent Date: 👱		2.07		- (Illiciusive)
			Sa	mpler:	DAI	NM		-
City:	akland, CA							
	MW-14	Date Mo	nitored: 6	22.07	Well (Condition:	SEE WC	55
Well ID	14144-1-[Date in	, <u>o</u>			2"= 0.17	3"= 0.38	٦ .
Well Diameter _	<u></u>		Volume	3/4"= 0.02 4"= 0.66	1"= 0.04 5"= 1.02	6"= 1.50	12"= 5.80	
Total Depth	58-91 ft.		Factor (VF)					
Depth to Water _	11.04 ft.	17	8.13 x3	once volume= F	-stimated F	ourge Volume	24.41	gal.
•	47.87 XVF	= =	X3	case volume- a				(2400 hrs)
			- Cavinment		Time C			(2400 hrs)
Purge Equipment:		•	g Equipment:		Depth t	o Product:		ft
Disposable Bailer		Disposat			Depth 1	to Water:		ft
Stainless Steel Bailer		Pressure	_		Hydroc	arbon Thickn	ess: <i>_</i>	ft
Stack Pump		Discrete	. —		Visual	Confirmation/	Description:	
Suction Pump		Other:				/ Absorbar	nt Sock (circle	one)
Grundfos					Amt R	emoved from	Skimmer:	gal
Other:					Amt R	emoved from	Well:	gal
		4 1 1 1 1 1 1			Water	Removed:		
					Produ	ct Transferred	d to:	
				CCE	18			
Start Time (purge)	: 1350	Weather	Conditions: _		770	Odor	165	
Sample Time/Dat	e: 142016-2	2-07 V	Vater Color: _	ccou.				
Purging Flow Rat	e ク.ク gpm.	Sealment	Describion			gal.		
Did well de-water		If yes, Time:		Volume:		yaı.		
Did Well de Wate.		C	onductivity	Temperature		D.O.	ORP	e to as
Time	Volume		mhos/cm)	((C) / F) _{1.}	(mg/L)	(mV)	•
(2400 hr.)	(gal.)	7.58 1	021	21.1				
1354	16.0	7.63	183	20.5		<u> </u>	·	
1358		7/7 7	004	20-4				
1403	24.5							
		LABO	RATORY INFO	RMATION			VAL VOES	
	(#) CONTAINER	REFRIG. PF	ESERV. TYPE	LABORATO	RY		NALYSES	
SAMPLE ID	x voa vial	YES	HCL	LANCASTE		I-G(8015)/BT		
MW-14	2 x 500ml Amber	YES	NP	LANCASTE	R TPF	I-Dw/sg(8015)	
	X SUUITI AITIDES	120						
	 							
	+							
	+			ļ				
	 			 				
	1			 				
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	<u> </u>							
COMMENTS:		×						
COMMENT 10.	<u> </u>							
				Add/Replace	المساه في		Size: 2	·
AddIRania	ced Lock:			Add/Keplace	Fluy.	<u> </u>		
Municipalia								



	Chevron #2061	45	Job N	umber: 3	<u> 86492</u>			
Client/Facility #:	800 Center Str		 Event	Date:	()	25.)		(inclusive)
Site Address:	Oakland, CA		 Samp	oler:		Amor	1C_	•
City:	Oaklailu, OA							
Well ID	MW-15	Date Monito	red:(<u></u>			ndition: <u>S</u>	3"= 0.38	<u>></u> 1
Well Diameter	36.82 ft.	V	olume actor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 5"= 1.02		12"= 5.80]
Total Depth	008 #					4	ଧ୍ୟ	
Depth to Water	7152 xv	F_\17_=4	x3 cas ط ۔	e volume= E	stimated Purg	e Volume:		al.
	<u></u>				Time Starte	:d:		(2400 hrs) (2400 hrs)
Purge Equipment:		Sampling Eq	_			oleted:		_(2400 ilis) ft
Disposable Bailer		Disposable Ba				roduct: /ater:		ft
Stainless Steel Baile	er	Pressure Bail			Hydrocarb	on Thickness	20	ft
Stack Pump		Discrete Baile			Visual Con	firmation/Des	scription:	
Suction Pump		Other:			Skimmer /	Absorbant S	ock (circle o	ne)
Grundfos					Amt Remo	ved from Ski	mmer:	gai
Other:					Amt Remo	ved from We	::	gal
		-			Water Rei	moved: ransferred to:		·
					Product	ansiened to.		
	ne): 1224	Weather Con	ditions:		uniny			 .
Start Time (pur	90/.		r Color:	Cle	an	Odor:	<u> </u>	<u></u>
Sample Time/[Jule. 10 11	Sediment Des						
Purging Flow F		If yes, Time:		olume:	ga	d.		
Did well de-wa	iter?(\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	•			D.0	,	ORP	
Time	Volume	PH Condu	<u>-</u>	emperature C / F			(mV)	
(2400 hr.)	(gal.)	0.82 cmho	=: ' ' ' '	19.4	,			·
1728		100 - 40		19.7				<u> </u>
1236	<u> </u>	0.56 42	<u> </u>	19.2				
1235	<u> </u>	<u> </u>						
		LABORAT	ORY INFORM	MATION		· .	YSES.	
SAMPLE ID	(#) CONTAINER	REFRIG. PRESE	RV. TYPE L	ABORATO				
	- 3 x voa vial	YES I	ICL	LANCASTE		8015)/BTEX(5021)	
MW- [3	7 x 500ml Amber	YES	NP	LANCASTE	R IPH-DV	v/sg(8015)		
		 						
<u> </u>		<u> </u>						
COMMENTS	.							<u></u>
COMMENIA		*			· · · · · · · · · · · · · · · · · · ·			
	<u></u>							
				UD l	d Dluc	7 5	size:_Z	V-
Add/Rei	placed Lock:		Add	d/Replac e	u Flug	-6-		
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GETTLER-RYAN INC.

	40004		י אואט ט.	Job Number:	386492	
Client/Facility #:	Chevron #2061			Event Date:	6-22-1	(inclusive)
Site Address:	800 Center Stre	et	· · · · · · · · · · · · · · · · · · ·	Sampler:	Ame	(
City:	Oakland, CA		· · · · · · · · · · · · · · · · · · ·	Sampler.		
Well ID	MW-16	Date M	onitored:	6.22.1	Well Condition:	Que LICSS
Well Diameter	2		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	58 (8 ft.		Factor (VF		5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	270 4	-17	=8.1	x3 case volume= i	Estimated Purge Volume	24 gal.
	41-81 xv	- 100	_ 		Time Started:	(2400 hrs)
Purge Equipment:		Samp	ling Equipment	:	Time Completed:	(2400 hrs)
Disposable Bailer			sable Bailer		Depth to Product: Depth to Water:	
Stainless Steel Baild	er		ure Bailer		Hydrocarbon Thickn	ess:ft
Stack Pump			te Bailer		Visual Confirmation/	Description:
Suction Pump		Other			Skimmer / Absorbar	t Sock (circle one)
Grundfos				•	Amt Removed from	Skimmer: gai
Other:					Amt Removed from	Well:gal
ř			•		Water Removed: Product Transferred	l to:
				٩,	and	
Start Time (pur	ge): 1411		er Conditions Water Color		Odor	: No
Sample Time/[27.7	vvater Color t Description			
Purging Flow F		Seamen		Volume:	gal.	
Did well de-wa	ter?			· ·	D.O.	ORP
Time	Volume	рН	Conductivity	Temperature		(mV)
(2400 hr.)	(gal.)	かるし	(umhos/cm)	10		
	<u> </u>	<u>-</u> -				
			ORATORY IN	EORMATION		
	(#) CONTAINED	REFRIG.	PRESERV. TYP	E LABORATO	N	ALYSES
SAMPLE ID	(#) CONTAINER	YES	HCL	LANCASTE	R TPH-G(801 5)/ BT	
MW- ((2 x 500ml Amber	YES	NP	LANCASTE	R TPH-Dw/sg(8015	
	2 X GOOM TO THE					
				 		
						
		<u> </u>				
COMMENTS	•		4.4			
COMMENTS	·					
					\sim	(
	placed Lock:			Add/Replace	d Plug: 🚣	_Size:



WELL MONITORING/SAMPLING

FIELD DATA SHEET Job Number: 386492

Olient/Egoility #:	Chevron #2061	45		b Number:	386492			المستندين المستند
	800 Center Str	eet	Ev	ent Date: _	6.23	2-1		(inclusive)
Site Address: City:	Oakland, CA		Sa Sa	ampler:	A	non		
City.				22 0	Mall C	andition:	zu we	s S
Well ID	MW- (7	Date Mor	انtored:	.22.7	weii C	oridition. <u>S</u>	sa we-	
Well Diameter	2	:	Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38	
Total Depth	73.08 ft.		Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80	J _. .
Depth to Water	10-34 ft.	. 1	·A (case volume= E			718	gal.
Dopuit to visite	67-74 xv	F=	10.6 x3	case volume= E				
					Time Sta	rted:		(2400 hrs) (2400 hrs)
Purge Equipment:		• -	Equipment:			mpleted: Product:	 	ft
Disposable Bailer		Disposab			Depth to	Water:		ft
Stainless Steel Baile	er	Pressure			Hydroca	rbon Thickne	ess:	ft
Stack Pump		Discrete I	Bailer		Visual C	onfirmation/[Description:	
Suction Pump		Other:			i	(A b - a - b - a - a	t Sock (circle o	ne)
Grundfos					Skimme	noved from	Skimmer:	gal
Other:			•		Amt Rer	noved from	Well:	gal
					Water R	emoved:		
					Product	Transferred	to:	 ·
				Z.,,	uns			
Start Time (pur	ge): \333		Conditions: _			Odor	10	
Sample Time/[-061 W	ater Color: _		non			
Purging Flow F		Sediment D			10 4	gal.		
Did well de-wa		If yes, Time: _	1840	Volume:	<u> </u>	yaı.		
Dia won do ma	——\ _i /	Co	nductivity	Temperature		0.0.	ORP	
Time	Volume رہے (gal.)		nhos/cm)	((C) / F _a) (n	ng/L)	(mV)	
(2400 hr. (33.42		LX S	130	71.6				
								
·	- 72							
·								
								
		LABOR	ATORY INFO	ORMATION_	5)/ J	AN	ALYSES	
SAMPLE ID	(#) CONTAINER	REFRIG. PR	ESERV. TYPE	LABORATO		G(8015)/BTE		
MW- L		YES	HCL	LANCASTE	14011	ow/sg(8015)		
1444-1	2 x 500ml Amber	YES	NP	LANCASTE	R ITPH-L	JW/5y(0010)		
				ļ				
				 				
		 		 				
				 		:		
		 						
		 						
		 						
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	\							
COMMENTS); 	<u> </u>						
								
						3 /	Size: 20	
۸ ططال <i>ا</i> م	placed Lock:		1	Add/Replace	d Plug:	<u> </u>	Size:	
∆uu/i4€	p							
**								•

Chevron California Region Analysis Request/Chain of Custody



Acct. #:	For Lancaster Laboratories use 10904 Sample # 5088410-19	only Group #:002123
Mode #.	Analyses Requested	7 6#1044025
14-1-b- ·	Preservation Codes	Preservative Codes
Matrix	HHILL	H = HCl T = Thiosulfate N = HNO ₃ B = NaOH

M. Labora	alones		0627	201-	-10)		.	<u> </u>			Ana	lyse	s Re	quest	ed			6-10	44000	<i></i>
						1		Τ-	-			Pre	serv	atio	Cod	88			Preser	rative Code	s
acility #:_ SS#2061	45-OML G-R	386492	Global ID#	06001022	230	. M	atrix		H	AT							4		H = HCI	T = Thiosu B = NaOH	
Site Address. 800 CEN	TER STREET.	OAKL	AND, CA								drug						.	Ì	$N = HNO_3$ $S = H_2SO_4$	O = Other	
55	, Inc., 6747 Sie	Load	CHA	CE	94568		စ္က က္ဆ	Sers	8		Sliica Gel Cleanup								☐ J value repo		on limits
(<u> </u>	, Inc., 6/4/ Sie		n, Oute o, D	com)		-	Potable	Containers	8021-8	ŀ	S C								possible for	8260 compor	unds
Consultant/Office: Consultant Prj. Mgr.: _	eanna L. Hardir	ig (de	аппашуппс.	-		-		ြိ			Z		3						8021 MTBE C		
Consultant Phone #92	25-551-7555		Fax #: 920-	51-7899		4 [8260	GR(띩		ates	Memod			Ì		Confirm hig		60
Sampler:	Agron	CA	andle	1	Grab			Coll Coll Coll Coll Coll Coll Coll Coll	I	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Total Lead Memod	1800 100				Confirm all	oxy's on highe	
			Date	Time Collected	Grab	Soil	Water		BTEX	TPH (TH	8260		eg :	200				☐ Run		s
Sample Identification	RA		Collected	Соиества	×Γ.	7 "	\propto	7	×	×				1		_	-	•	Comments	/ Remarks	
	Mr.	29	1	1330	X		×	5		1			_	_ _	-	-		\dashv	-	-	
	MN	-10		1300	X		X		- 1	1	T		-	-	-		\dashv		-		
	Wh			1215	X			_ 5		X	X						\dashv	\dashv	-		
		1-12		1320	X		3	5		X	X				+	\dashv	-	\dashv	1		
<u> </u>	MW	-13		1220			X	5	X	X	×		-+	-+-			7	1		•	
	MW	-14_		1420	15		×	12	╌┼	X	X		十	_							
	MW		} 	1430	 	- 		5	FIR	Ŕ	X							\perp			
	MW		 	1355	X	1	X	5	- ×	X	×		_					_			
	mw		4	1500						_											
										1	╁				+			\dashv	-		
	<u></u>						لبل				┵	Date		me	BAG	ived	N.:	1		Date 6/21/17	Time
Turnaround Time F	Poguested (TAT)	(nlease (circle)	Reling	uished	K /						12.		53 <u>r</u>	PAGE			1/2	marge_		
SID. TAI	72 hour	48 hc	our	Philipp	uished	W.	77)				1	Date		me i	Rece	1	DW 7	·	U	ATU/E	Time
24 hour	4 day	5 day	·	La	uished	200	(su	no	1		<u>an</u>	ኪ/ረባ Date		ime	Pece	av (/ / / / / ·		1	Date	Time
Data Package Option		f required)									·		-	Post	eived l	hw:		//	Date	Time
QC Summary	Type I - Full			Relino	uished										Lece	۱ ۱۷ ۵ ۷۱۵ مر	1	_/		lash	wo
Type VI (Raw Data) WIP (RWQCB)	Coell Delivere	idie noi ne	ardi iede	<u> </u>	erature	Ked€ Upon f			ther	. 32	<u>1</u>			C°	Cust	topy S	eals	Intact	? Jes No		
Disk			<u> </u>													•					Day 10/

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north). Rev. 10/12/06

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 JUL 0 9 2007

GETTLER-RYAN INC. GENERAL CONTRACTORS

RECEIVED

925-842-8582

Prepared by:

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

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		_	Lancaster Labs Number
QA-T-070622	NA W	ater	5088410
MW-9-W-070622	Grab	Water	5088411
MW-10-W-070622	Grab	Water	5088412
MW-11-W-070622	Grab	Water	5088413
MW-12-W-070622	Grab	Water	5088414
MW-13-W-070622	Grab	Water	5088415
	Grab	Water	5088416
MW-14-W-070622	Grab	Water	5088417
MW-15-W-070622	Grab	Water	5088418
MW-16-W-070622			5088419
MW-17-W-070622	Grab	Water	232272

ELECTRONIC COPY TO

Cambria c/o Gettler-Ryan

Attn: Cheryl Hansen



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

Respectfully Submitted,

Valerie L. Tomayko Group Leader



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Page 1 of 1

5088410 Lancaster Laboratories Sample No.

QA-T-070622

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

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 Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters		•		•	
01730	TPH-GRO - Waters The reported concentration of I gasoline constituents eluting patent time.	n.a. PH-GRO does not rior to the C6	N.D. include MTBE c (n-hexane) TPH-	50. or other GRO range	ug/l	1
05879	BTEX					
02161 02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1

State of California Lab Certification No. 2116

		Laboratory	N1C1E Analysis	Dilution		
CAT No. 01729	Analysis Name TPH-GRO - Waters	Method TPH GRO SW-846 8015B	Trial# 1	Date and Time 06/27/2007 05:26	Analyst Linda C Pape	Factor 1
05879	BTEX GC VOA Water Prep	mod SW-846 8021B SW-846 5030B	1 1	06/27/2007 05:26 06/27/2007 05:26	Linda C Pape Linda C Pape	1 1



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Page 1 of 1

5088411 Lancaster Laboratories Sample No.

Grab MW-9-W-070622 Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected: 06/22/2007 13:30

Account Number: 10904

Submitted: 06/23/2007 10:00

Reported: 07/06/2007 at 14:17

Chevron 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 08/06/2007

CSO09

CAT No.	Analysis Name TPH-DRO (Water) w/Si Gel	CAS Number	As Received Result	As Received Method Detection Limit 50.	Units ug/l	Dilution Factor
06610	TPH-GRO - Waters				. •	
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the C6	500. t include MTBE o (n-hexane) TPH-	50. or other -GRO range	ug/l	1
05879	BTEX					
02161 02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	4.4 N.D. N.D.	0.5 0.5 0.5 1.5	ug/1 ug/1 ug/1 ug/1	1 1 1

State of California Lab Certification No. 2116

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



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Page 1 of 1

5088412 Lancaster Laboratories Sample No.

MW-10-W-070622

GRD

MW-10

Facility# 206145 Job# 386492 800 Center Street-Oakland T0600102230

Account Number: 10904

Collected:06/22/2007 13:00

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

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 08/06/2007

CS010

CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel	CAS Number	As Received Result	As Received Method Detection Limit 50.	Units ug/l	Dilution Factor
01729	TPH-GRO - Waters TPH-GRO - Waters The reported concentration of gasoline constituents eluting patterns time.	nnu ann desa no	N.D. t include MTBE ((n-hexane) TPH	50. or other -GRO range	ug/l	i
05879 02161 02164 02166 02171	BTEX Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	1.5 N.D. N.D. N.D.	0.5 0.5 0.5	ug/l ug/l ug/l ug/l	1 1 1

State of California Lab Certification No. 2116

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



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Page 1 of 1

Lancaster Laboratories Sample No. 5088413

MW-11-W-070622

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected: 06/22/2007 12:15

Account Number: 10904

Chevron

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

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 08/06/2007

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			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	140.	50.	ug/l	1 .
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the C6	51. t include MTBE c (n-hexane) TPH-	50. or other GRO range	ug/l	1
05879	BTEX	·				
02161 02164 02166	Benzene Toluene Ethylbenzene	71-43-2 108-88-3 100-41-4	N.D. N.D. N.D.	0.5 0.5 0.5	ug/1 ug/1 ug/1	1 1 1

State of California Lab Certification No. 2116

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



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Page 1 of 1

Lancaster Laboratories Sample No. 5088414

MW-12-W-070622

GRD

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

Collected:06/22/2007 13:20

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

CSO12

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

State of California Lab Certification No. 2116

		Laboratory	Chro	Analysis		Dilution
06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B mod		Date and Time 06/27/2007 20:49 06/28/2007 03:55	Analyst Diane V Do Linda C Pape Linda C Pape	Factor 1 1
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH (Waters)	SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	06/28/2007 03:55 06/28/2007 03:55 06/26/2007 18:40	Linda C Pape Mitchell B Crawford	1 1



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Page 1 of 1

Lancaster Laboratories Sample No. 5088415

MW-13-W-070622

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected:06/22/2007 12:20

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

CSO1	3

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

State of California Lab Certification No. 2116

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



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Page I of I

5088416 Lancaster Laboratories Sample No.

MW-14-W-070622

MW-14

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:06/22/2007 14:20

Account Number: 10904

Chevron

Submitted: 06/23/2007 10:00

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Reported: 07/06/2007 at 14:17 Discard: 08/06/2007

CS014

			-	As Received			
a			As Received	Method		Dilution	
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
06610	TPH-DRO (Water) w/Si Gel Due to the nature of the sample for analysis. The reporting 1	n.a. e matrix, a red imits were rais	1,300. Nuced aliquot was sed accordingly.	150 used	ug/l	. 1	
01729	TPH-GRO - Waters						
01730	TPH-GRO - Waters n.a. 3,700. 250. ug/l 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	190.	2.5	ug/l	5	
		108-88-3	150.	2.5	ug/l	5	
02164	Toluene	100-41-4	49.	2.5	ug/l	5	
02166 02171	Ethylbenzene Total Xylenes	1330-20-7	580.	7.5	ug/l	5	

State of California Lab Certification No. 2116

		Laboratory		Dilution		
06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 06/27/2007 21:34 06/28/2007 07:04	Analyst Diane V Do Linda C Pape	Factor 1 5
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	06/28/2007 07:04 06/28/2007 07:04 06/26/2007 18:40	Linda C Pape Linda C Pape Mitchell B Crawford	5 5 1



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Page 1 of 1

5088417 Lancaster Laboratories Sample No.

MW-15-W-070622

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:06/22/2007 12:45

Account Number: 10904

Submitted: 06/23/2007 10:00

Reported: 07/06/2007 at 14:17

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 08/06/2007

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CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	150.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	nnii CBO doed no	N.D. t include MTBE ((n-hexane) TPH-	50. or other -GRO range	ug/l	1
05879	BTEX					
02161 02164 02166	Benzene Toluene Ethylbenzene	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
02171	Total Xylenes					

State of California Lab Certification No. 2116

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



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Page 1 of 1

5088418 Lancaster Laboratories Sample No.

MW-16-W-070622

Grab

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

MW-16

GRD

Collected: 06/22/2007 14:30

Account Number: 10904

CS016

Submitted: 06/23/2007 10:00

Chevron

Reported: 07/06/2007 at 14:17

6001 Bollinger Canyon Rd L4310

Discard: 08/06/2007

San Ramon CA 94583

CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel	CAS Number	As Received Result 2,100.	As Received Method Detection Limit 150	Units	Dilution Factor
01729	TPH-GRO - Waters TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	10,000. t include MTBE of (n-hexane) TPH-C	500. other GRO range	ug/l	10
05879 02161 02164 02166 02171	BETEX Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	130. 1,800. 580. 1,400.	5.0 5.0 5.0 15.	ug/l ug/l ug/l ug/l	10 10 10

State of California Lab Certification No. 2116

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



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Page 1 of 1

5088419 Lancaster Laboratories Sample No.

MW-17-W-070622

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:06/22/2007 13:55 by AC

MW-17

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	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
No.			690.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	630.			
01729	TPH-GRO - Waters		•			•
		n.a.	2,000.	50.	ug/l	i ,
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	mpy CDO door no	- include MTBE 0	r other GRO range		
	PMRY					
05879	BTEX				/1	
00161	Benzene	71-43-2	35.	0.5	ug/1	1
02161	Toluene	108-88-3	27.	0.5	ug/1	1
02164		100-41-4	9.3	0.5	ug/l	1.
02166 02171	Ethylbenzene Total Xylenes	1330-20-7	360.	1.5	ug/l	1

State of California Lab Certification No. 2116

		Laboratory	Chro	NICLE Analysis		Dilution
06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	1	Date and Time 06/27/2007 22:42 06/28/2007 04:58	Analyst Diane V Do Linda C Pape	Factor 1 1
05879	BTEX GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 3510C	1	06/28/2007 04:58 06/28/2007 04:58 06/26/2007 18:40	Linda C Pape Linda C Pape Mitchell B Crawford	1



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Page 1 of 3

Quality Control Summary

Client Name: Chevron

Group Number: 1044025

Reported: 07/06/07 at 02:17 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 071770017A TPH-DRO (Water) w/Si Gel	Sample no	umber(s): ! 29.	5088411-50 ug/l	99 99	103	63-119	4	20
Batch number: 07177A51A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample non N.D. N.D. N.D. N.D. N.D. N.D.	umber(s): 50. 0.5 0.5 0.5	5088410-50 ug/1 ug/1 ug/1 ug/1 ug/1	088412 120 108 102 104 105	119 99 100 99 101	75-135 86-119 82-119 81-119 82-120	1 9 2 4 3	30 30 30 30 30
Batch number: 07177A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample n N.D. N.D. N.D. N.D. N.D.	50. 0.5 0.5 0.5 1.5	5088412-5 ug/l ug/l ug/l ug/l ug/l	120 108 102 104 105	119 99 100 99	75-135 86-119 82-119 81-119 82-120	1 9 2 4 3	30 30 30 30 30
Batch number: 07178B54A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample r. N.D. N.D. N.D. N.D.	number(s): 50. 0.5 0.5 1.5	5088414-5 ug/l ug/l ug/l ug/l ug/l	088419 111 97 95 95	115 98 100 101 104	75-135 86-119 82-119 81-119 82-120	3 1 4 6 6	30 30 30 30 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

Background (BRG) = the sample a	MS	MSD	MS/MSD	_	RPD	BKG	DUP	DUP RPD	Dup RI
Analysis Name	%REC	%REC	Limits	RPD	XAM	Conc	Conc	KFD	nun
Batch number: 07177A51A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	128 102 105 104 105		63-154 78-131 78-129 75-133 84-131			PK: P088367,			
Batch number: 07177A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample 128 102 105 104 105	anumber	(s): 508841 63-154 78-131 78-129 75-133 84-131	.2-50884	413 UNS	PK: P088367	, P088368	.·	•

*- 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.



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Page 2 of 3

Quality Control Summary

Group Number: 1044025

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

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name Batch number: 07178B54A	MS %REC Sample	MSD MS/MSD %REC Limits number(s): 5088414	RPD BKG <u>RPD MAX Conc</u> -5088419 UNSPK: 5088414,	DUP Conc 5088415	DUP <u>RPD</u>	Max
TPH-GRO - Waters	123	63-154 78-131				
Benzene Toluene	114 113	78-131 78-129				•
Ethylbenzene	115	75-133 84-131				
Total Xylenes	116	94-131				

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			4	
5088413	98				
5088414	101				
5088415	101				
5088416	106				
5088417	97				•
5088418	111				
5088419	102				
Blank	98				
LCS	115				
LCSD	115				
Timite.	59-131				

Analysis Name: TPH-GRO - Waters

Batch number: 07177A51A

Batch numb	Trifluorotoluene-F	Trifluorotoluene-P	
5088410 5088411 Blank	115 114 112	116 116 116 114	
LCS LCSD MS	113 111 116	114 116 116	
Limits:	63-135	69-129	
	TDU_CDO - Waters		

Analysis Name: TPH-GRO

Batch number: 07177A51B

Trifluorotoluene-P Trifluorotoluene-F

	119	115
5088412		116
5088413	121	110

*- 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.



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Page 3 of 3

Quality Control Summary

Client N	ame: Chevron	Group Number: 1044025
Reported	1: 07/06/07 at 02:17	Surrogate Quality Control
Blank	121	115 114
LCS	113 111	116
LCSD MS	116	116
Limits:	63-135	69-129
Batch numl	Name: TPH-GRO - Waters Der: 07178B54A Trifluorotoluene-F	Trifluorotoluene-P
5088414	85	94
5088415	85	94
5088416	92	97 94
5088417	89	92
5088418	89	
5088419	106	103
Blank	87	94
LCS	95	92
LCSD MS	95 96	94 95
Limite	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:

ne lonowing	<i>ao,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	. DMO!	Below Minimum Quantitation Level
N.D. TNTC IU umhos/cm C Cal meq g ug ml m3	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s) cubic meter(s)	BMQL MPN CP Units NTU F Ib. kg mg I ul fib >5 um/ml	Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s) 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
- 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 ppm 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.
- parts per billion ppb
- Results printed under this heading have been adjusted for moisture content. This increases the analyte weight Dry weight concentration to approximate the value present in a similar sample without moisture. basis

U.S. EPA data qualifiers:

Organic Qualifiers

Inorganic Qualifiers

	Organio California		
A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	BEMNS	Value is <crdl, (msa)="" additions="" amount="" but="" calculation="" compound="" control="" detected<="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
J	Estimated value	U W	Post digestion spike out of control limits
N	Presumptive evidence of a compound (TICs only)	*	Duplicate analysis not within control limits
P	Concentration difference between primary and confirmation columns >25%	. +	Correlation coefficient for MSA <0.995
U	Compound was not detected		
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.

lient/Facility #:	Chevron #2061		Jol				/* l !:
ilicitor dominy	800 Center Stre		Ev	ent Date:	8-17-7	<u> </u>	(inclusive
ity:	Oakland, CA		Sa	mpler:	Aguon	<u> </u>	
Vell ID	MW-\A	Date	Monitored: _ 성	-17.7	Well Condition:	رندده	
Vell Diameter otal Depth	2 in.	· · · · · · · · · · · · · · · · · · ·	Volume Factor (VF)	J/4 - 0.02	"= 0.04 2"= 0.17 "= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
Depth to Water	9,50 ft.	F_11_	_= <u>1,2</u> x3		mated Purge Volume		al. 2400 hrs)
Purge Equipment:			pling Equipment:		Time Started: Time Completed: Depth to Product:		(2400 hrs) ft
Disposable Bailer		•	osable Bailer sure Bailer		Depth to Water:	<u> </u>	<u></u> 11
Stainless Steel Baile Stack Pump			rete Bailer		Hydrocarbon Thickn Visual Confirmation/	ess: Description:	II
Suction Pump		Othe	r:		Skimmer / Absorbar	nt Sock (circle or	ie)
Grundfos	<u> </u>				Amt Removed from Amt Removed from	Skimmer:	gal
Other:			•		Water Removed:		
					Product Transferred	d to:	
Start Time (purg	e): 1144		er Conditions:		Odor	110	_
Start Time (purg Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: 1005 / 8_ ate:gpm.	Sedime If yes, Tim	water Color: Nater Color: nt Description: e: Conductivity (umhos/cm)	Cloud	15ht Odor	ORP (mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: 1703 / 8 ate:gpm. er?	17-7 Sedime If yes, Tim	Water Color: _ nt Description: _ ne: Conductivity	Volume:	Odor gal. p.o.	ORP	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: 1703 / 8 ate:gpm. er?	Sedime If yes, Tim	Water Color: _ nt Description: _ ne: Conductivity	Volume:	Odor gal. p.o.	ORP	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	ate: 1703 / 8 ate:gpm. er?	Sedime If yes, Tim PH 7.38 7.44 7.21	Water Color: nt Description: e: Conductivity (u mhos/cm) SST SU3 SU(2	Volume: Temperature (C) / F) Z / 3 Z / 7 Z 5	gal. D.O. (mg/L)	ORP (mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0	volume (gal.)	Sedime If yes, Tim PH 7.38 7.44 7.21	Water Color: nt Description: ne: Conductivity (u mhos/cm)	Volume: Temperature (C) F) Z L J Z L J Z L S DRMATION LABORATORY	gal. D.O. (mg/L)	ORP (mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0 11 5 3	volume (gal.) (#) CONTAINER	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES	Water Color: nt Description: nt Description: nt Conductivity (umhos/cm) SS7 SY3 SY3 BORATORY INFO PRESERV. TYPE HCL	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S DRMATION LABORATORY LANCASTER	gal gal D.O (mg/L) All TPH-G(8015)/BT	ORP (mV)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0	volume (gal.) (#) CONTAINER (#) X voa vial x voa vial	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES YES	Water Color: nt Description: nt Description: e: Conductivity (u mhos/cm) SY3 SY3 SY3 BORATORY INFO PRESERV. TYPE HCL HCL	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S PRMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L)	ORP (mV) NALYSES EX+MTBE(8021)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0 11 5 3	volume (gal.) (#) CONTAINER (x voa vial	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES	Water Color: nt Description: nt Description: nt Conductivity (umhos/cm) SS7 SY3 SY3 BORATORY INFO PRESERV. TYPE HCL	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S DRMATION LABORATORY LANCASTER	D.O. (mg/L) TPH-G(8015)/BT	ORP (mV) NALYSES EX+MTBE(8021)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0 11 5 3	volume (gal.) (#) CONTAINER (#) X voa vial x voa vial	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES YES	Water Color: nt Description: nt Description: c: Conductivity (u mhos/cm) SS7 SY3 SY3 SY3 SY3 SY1(2 BORATORY INFO PRESERV. TYPE HCL HCL NP	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BT	ORP (mV) NALYSES EX+MTBE(8021)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0 11 5 3	volume (gal.) (#) CONTAINER (#) X voa vial x voa vial	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES YES	Water Color: nt Description: nt Description: c: Conductivity (u mhos/cm) SS7 SY3 SY3 SY3 SY3 SY1(2 BORATORY INFO PRESERV. TYPE HCL HCL NP	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BT	ORP (mV) NALYSES EX+MTBE(8021)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 11 4 8 115 0 11 5 3	volume (gal.) (#) CONTAINER (#) X voa vial x voa vial	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES YES	Water Color: nt Description: nt Description: c: Conductivity (u mhos/cm) SS7 SY3 SY3 SY3 SY3 SY1(2 BORATORY INFO PRESERV. TYPE HCL HCL NP	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BT	ORP (mV) NALYSES EX+MTBE(8021)	
Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.) 1150 1153	te: 1703 / 8 ate:gpm. volume (gal.) (#) CONTAINER x voa vial x voa vial 7 x 500ml Amber	Sedime If yes, Tim PH 7.38 7.44 7.41 LAI REFRIG. YES YES	Water Color: nt Description: nt Description: c: Conductivity (u mhos/cm) SS7 SY3 SY3 SY3 SY3 SY1(2 BORATORY INFO PRESERV. TYPE HCL HCL NP	Volume: Temperature (C) F) Z1-7 Z1-7 Z1-S PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BT	ORP (mV) NALYSES EX+MTBE(8021)	



		16	JUL	Number:	000			_
	hevron #20614			ent Date:		8/17/07		_(inclusive
	00 Center Stre	et				3)		
ty: <u>O</u>	akland, CA		Sa	mpler:				
:	MW- 2	Date Moni	itored: 8/	17/2	We	Il Condition:	see was	·
rell ID		Bate mon				04 2"= 0.17	3"= 0.38	7
ell Diameter	2 in.		Volume	3/4"= 0.02 4"= 0.66			T	
otal Depth	14.15 ft.		Factor (VF)				A 17	
epth to Water	9.88 ft.		. כד	ecco volume	= Estimate	d Purge Volum	e:	gal.
<u>_</u>	4.27 xVF	<u>.17</u> = -	172 X3	case volume	Time	Started:		(2400 hrs)
•		Pampling 2	Equipment:		Tim	e Completed:		(2400 hrs)
urge Equipment:		Disposable		8	Dep	th to Product:_		π
isposable Bailer		Pressure E			Dep	th to Water:		ft
tainless Steel Bailer		Discrete B			Hyd	rocarbon Thick ual Confirmation	ness:	
tack Pump		Other:			N			
uction Pump		<u> </u>			Ski	mmer / Absorba	ant Sock (circle	one)
Grundfos				4.	. Am	t Removed from	n Skimmer:	gal
Other:				,	Am	t Removed from	n Well:	gui
					Pro	duct Transferre	ed to:	
	11955	Weather C	onditions:		Clear			
Start Time (purge) Sample Time/Dat	10/5/8	lizhz Wa	ater Color: _	· · · <u> </u>	Clean		or: <u>xv</u>	
Sample Time/Dat	e: <u>1010 7 01</u>	Sediment D	_		1-541		<u> </u>	
			eschbuon.		1300			
Purging Flow Rate	e:gpm.					-		
Purging Flow Rat Did well de-water	e:gpm.	If yes, Time: _		Volume: _		gal.	OPP	
Did well de-water	?	If yes, Time:		Volume: _	ıre	gal. D.O.	ORP (mV)	
Did well de-water	Yolume	If yes, Time: Cor pH (un	nductivity nhos/cm)	Volume: _ Temperatur	ıre :)	gal.	ORP (mV)	
Did well de-water Time (2400 hr.)	Yolume	If yes, Time:Cor	nductivity nhos/cm)	Volume: _ Temperatur (ıre :)	gal. D.O.		
Did well de-water Time (2400 hr.) 6957	Volume (gal.)	If yes, Time:	nductivity nhos/cm)	Volume: _ Temperatu (Ø / F /9.2	ıre :)	gal. D.O.		
Did well de-water Time (2400 hr.) 6957 0959	Volume (gal.)	If yes, Time:	nductivity nhos/cm)	Volume: _ Temperatur (ıre :)	gal. D.O.		
Did well de-water Time (2400 hr.) 6957	Volume (gal.)	If yes, Time:	nductivity nhos/cm)	Volume: _ Temperatu (Ø / F /9.2	ıre :)	gal. D.O.		
Did well de-water Time (2400 hr.) 6957 0959	Volume (gal.)	If yes, Time:	nductivity nhos/cm) 191 55 6°1	Volume: _ Temperatu (Ø / F	ire :)	gal. D.O. (mg/L)	(mV)	
Did well de-water Time (2400 hr.) 6957 0959 1003	Volume (gal.) .5 (If yes, Time:	nductivity nhos/cm) 9/ 50	Volume: _ Temperatur (Ø / F	TORY	gal. D.O. (mg/L)	(mV)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.)	If yes, Time:	ATORY INFO	Volume: _ Temperatur (TORY	gal. D.O. (mg/L)	(mV) ANALYSES TEX+MTBE(80:	21)
Did well de-water Time (2400 hr.) 6957 0959 1003	Volume (gal.) - 5 (LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) .5 .1.0 .1.5	If yes, Time:	ATORY INFO	Volume: _ Temperatur (TORY STER	gal. D.O. (mg/L)	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 6957 0959 1003 SAMPLE ID MW- 2	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 0957 0959 1003	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 19.2 / 11.] / 15.2 DRMATION LABORA LANCAS LANCAS	TORY STER	gal. D.O. (mg/L) [PH-G(8015)/B	(mV) ANALYSES TEX+MTBE(80: TEX(80:21)	21)
Time (2400 hr.) 6957 0959 1003 SAMPLE ID MW- 2	Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	LABOR REFRIG. PRE	ATORY INFO	Temperatur (P / F / 9.2 /11. } // 15.2 DRMATION LABORA LANCAS LANCAS LANCAS	TORY STER STER STER	gal. D.O. (mg/L) [PH-G(8015)/B	ANALYSES TEX+MTBE(80: TEX(8021)	



	"00044E	Job	Number: 386		
	Chevron #206145		ent Date:	8-17-7	(inclusive
ite Address:	800 Center Street		mpler:	Acron C	·
ity:	Oakland, CA	Sa			
Vell ID	MW-3	Date Monitored:	17.7 V	Vell Condition:	2cs 5
Vell Diameter	2 in.	Volume	3/4 - 0.0-	0.04 2 0.11	3"= 0.38
otal Depth	14.41 ft.	Factor (VF)	4"= 0.66 5"=	1.02 6"= 1.50 1	12"= 5.80
Depth to Water	9.57 ft.	10 0		ated Purge Volume: 2	. Υ gal.
Jepin to Traile	4,84 xVF_6	17 = 0,8 x3		me Started:	
		Sampling Equipment:	/ I T	ime Completed:	(2400 hrs)
ourge Equipment:		Disposable Bailer		epth to Product:	
Disposable Bailer		Pressure Bailer		epth to Water: lydrocarbon Thickness:	
Stainless Steel Baile	·	Discrete Bailer		isual Confirmation/Des	cription:
Stack Pump Suction Pump		Other:		Skimmer / Absorbant Sc	ock (circle one)
Grundfos			14 .	ant Removed from Skir	mmer: gai
Other:			·	Amt Removed from We	ll: gai
•				Water Removed: Product Transferred to:	
Purging Flow F	Date: ISYS / 8-17	Weather Conditions: Water Color: ediment Description: s, Time:		Godor:	Yes
Sample Time/D	Pate: ISY / P.17 Rate: gpm. S Reter? Jo If ye	Water Color: _ ediment Description: es, Time:	Cline	Godor: -	ORP (mV)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.)	volume (gal.)	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) SO CH CONDUCTIVITY (umhos/cm) CONDUCTIVITY (umhos/cm)	Volume:	gal. D.O. (mg/L)	(mV)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1375	Volume (gal.) 2 2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Water Color: ediment Description: s, Time: Conductivity (umhos/cm) CONDUCTIVITY (umhos/cm) CONDUCTIVITY (umhos/cm) CONDUCTIVITY (umhos/cm)	Volume: Temperature (C) F) ORMATION LABORATORY	gal. D.O. (mg/L)	(mV)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	Volume pH (gal.) (#) CONTAINER RE	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) SO LABORATORY INFO FRIG. PRESERV. TYPE ES HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1375	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L)	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	Volume (gal.) (#) CONTAINER RE x voa vial x voa vial	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) SO LABORATORY INFO FRIG. PRESERV. TYPE ES HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	vate: SYS /	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)
Sample Time/E Purging Flow F Did well de-wa Time (2400 hr.) 1322 1375 1330	Volume (gal.) (#) CONTAINER RE x voa vial x x 500ml Amber	Water Color: ediment Description: es, Time: Conductivity (umhos/cm) Conductivity (umhos/cm) Conductivity (umhos/cm) PRICE LABORATORY INFO FRIG. PRESERV. TYPE FRIG. HCL FRIG. HCL	Volume: Temperature (C) F) ORMATION LABORATORY LANCASTER LANCASTER	gal. D.O. (mg/L) ANAI TPH-G(8015)/BTEX- TPH-G(8015)/BTEX-	(mV) LYSES +MTBE(8021)



	Chevron #206	145	Jo	b Number:	386492	· · · · · · · · · · · · · · · · · · ·
,,,o,,,o,, a,o,,,,,,	800 Center Sti		E ₁	vent Date:	8/17/07	(inclusive
				ampler:	JH	
City:	Oakland, CA					
Vell ID	MW- 4	Date	Monitored: 8	117/07	Well Condition:	See was
Vell Diameter	2 in.			3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	/3.23 ft.		Volume Factor (VF)	4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water						234
	7.60 ×	_{VF}	= <u>./8</u> _x	3 case volume= E	Estimated Purge Volume:_	2,) / gal.
·					Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:			npling Equipment:	×	Depth to Product:	(2400 iii 0)
Disposable Bailer	<u> </u>		oosable Bailer ssure Bailer		Depth to Water:	ft
Stainless Steel Bailer			crete Bailer	· · · · · · · · · · · · · · · · · · ·	Hydrocarbon Thicknes	
Stack Pump			er:		Visual Confirmation/De	escription:
Suction Pump Grundfos					Skimmer / Absorbant	
Other:					Amt Removed from S	kimmer: gal
Julei					Amt Removed from W Water Removed:	/ell:gal
•					Product Transferred to	
Olant Time (mine)		Weat	her Conditions:	CI	ear	
Start Time (purge Sample Time/Da): 0925 te: 0945 1 8	<u> 117/17</u>	Water Color:	C	Odor:	<u>vo</u>
Sample Time/Da	te: 0945 1 8	117/-7 Sedime	Water Color: _ ent Description: _	1.,41	- 	<u> </u>
Start Time (purge Sample Time/Da Purging Flow Rat Did well de-water	te: 0945 / 8 te:gpm.	117/-7 Sedime	Water Color:		Odor: gal.	<u> </u>
Sample Time/Da Purging Flow Rat Did well de-water	te: 0945 / 8 te: gpm. r?	Sedime If yes, Tin	Water Color: _ ent Description: _ ne:	Volume:	- 	ORP
Sample Time/Da Purging Flow Rat Did well de-water	te: 0945 1 8 te: gpm. r?	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm)	Volume: Temperature (gal. gal.	
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.)	te: 0945 1 8 te:	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity	Volume: Temperature (gal. gal.	ORP
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) U927	te: 0945 1 8 te: gpm. r? Volume (gal.)	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm)	Volume: Temperature (gal. gal.	ORP
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27	te: 0945 1 8 te: gpm. r? Volume	Sedime If yes, Tin pH 6.95	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm)	Volume: Temperature (gal. gal.	ORP
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) U927	te: 0945 1 8 te: gpm. r? Volume	Sedime If yes, Tin pH 6.95	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 8'('') 8 4 9	Volume: Temperature (gal. gal.	ORP
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27	te: 0945 1 8 te: gpm. r? Volume	Sedime If yes, Tin pH 6.95 6.87 6.82	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 8'/'/ 8'9 853	Volume:	gal	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) U927 0130 0933	te: 0945 1 8 te:	Sedime If yes, Tin pH 6.95 6.87 6.82	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 8'('') 8 4 9	Volume:	gal gal D.O. (mg/L)	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 1 8 te: gpm. r? Volume	Sedime If yes, Tin pH 6.95 6.87 6.82	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 8'/'/ 8'99 853 BORATORY INFO	Temperature (gal. D.O. (mg/L) RY ANA RY TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) U927 0130 0933	te: 0945 / 8 te: gpm. r? Volume (gal.)	Sedime If yes, Tin PH 6.95 6.87 6.82 LA REFRIG.	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.)	Sedime If yes, Tin PH 6.95 6.87 6.82 LA REFRIG. YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8'('/ 8 4 9 8 5 3 BORATORY INFO PRESERV. TYPE HCL	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)
Sample Time/Da Purging Flow Rat Did well de-water Time (2400 hr.) Of 27 Of 35 Of 33	te: 0945 / 8 te: gpm. r? Volume (gal.) 1.0 1.5 (#) CONTAINER 3 x voa vial x voa vial	Sedime If yes, Tin pH 6.95 6.87 6.82 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 8-(-(-/	Temperature (gal. D.O. (mg/L) RY ANA R TPH-G(8015)/BTEX R TPH-G(8015)/BTEX	ORP (mV)



ient/Facility #: te Address:	800 Center Stre	et	Event Date: Sampler:	7.17.7 Aaron ((inclusiv
ty:	Oakland, CA		Sampler		
/ell ID /ell Diameter	MW- 5	Date Monitored:	3/4"= 0.02 1"	Well Condition:	3"= 0.38 12"= 5.80
otal Depth epth to Water	19,33 ft. 9,05 ft. 10,28 xVI	Factor = [.7]	(VF) 4"= 0.66 5":x3 case volume= Estir		5.1 gal.
urge Equipment: isposable Bailer tainless Steel Bail tack Pump	er	Sampling Equipm Disposable Bailer Pressure Bailer Discrete Bailer Other:	ent:	Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thicknes Visual Confirmation/De	(2400 hrsftfs:ft escription:
ouction Pump Grundfos Other:		Outer		Skimmer / Absorbant S Amt Removed from SI Amt Removed from W Water Removed: Product Transferred to	kimmer: ga /ell: ga
Start Time (pur Sample Time/I	ge): <u>0944</u> Date: <u>1015</u> / \$	<u> </u>	olor: <u>Cloue</u>	Odor:	No
Start Time (pur Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Rate: 1015 / ¥: Rate:gpm. ter?Volume		olor: Cloude ion: Volume:	Odor:	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Rate:gpm. ter?Volume	Sediment Descript If yes, Time: PH Conductivity (umhos/cm)	olor: Cloude ion: Volume: Volume: Temperature (C) / F) 72.4 72.6 71.6	gal. D.O. (mg/L)	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Pate: 1015 / X- Rate:gpm. Volume (gal.)	Sediment Descript If yes, Time: PH Conductivity (umhos/cm)	olor: Cloude ion: Volume: Volume: Temperature (C) / F) ZZ. H ZZ. O ZZ. G CINFORMATION TYPE LABORATORY	gal. D.O. (mg/L)	ORP (mV)
Sample Time/I Purging Flow I Did well de-wa Time (2400 hr.	Cate: 1015 / 12 Rate: gpm. Volume (gal.) (#) CONTAINER x voa vial	Sediment Descript If yes, Time: PH Conductivity (umhos/cm 257 401 367 367 401 Conductivity (umhos/cm 257 401 Conductivity	olor: Cloude ion: Volume: Volume: Temperature (C) / F) 77.4 77.9 Z1.9	D.O. (mg/L) AN/ TPH-G(8015)/BTE) TPH-G(8015)/BTE)	ORP (mV) ALYSES (+MTBE(8021)
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr. 0918 0938 SAMPLE ID	Pate: 1015 / ¥: Rate:gpm. ter?	Sediment Descript If yes, Time: pH Conductivity (umhos/cm JOS JOS LABORATORY REFRIG. PRESERV. YES HCL	olor: Cloude ion: Volume: Volume: Temperature (C) / F) ZZ. U ZZ. (O) ZZ	D.O. (mg/L) TPH-G(8015)/BTE) TPH-G(8015)/BTE)	ORP (mV) ALYSES (+MTBE(8021)
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr. 0918 0938 SAMPLE ID	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Water Consider the Sediment Descript of Sediment Description of Sediment De	olor: (Love) ion: Volume: Volume: Temperature (C) / F) ZZ. 4 ZZ. 6 ZZ. 6 ZZ. 7 INFORMATION TYPE LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BTE) TPH-G(8015)/BTE)	ORP (mV) ALYSES (+MTBE(8021)
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr. 0918 0938 SAMPLE ID	Cate: O15 / X- Rate: gpm. Volume (gal.) (#) CONTAINER X voa vial X voa vial Z x 500ml Amber	Water Consider the Sediment Descript of Sediment Description of Sediment De	olor: (Love) ion: Volume: Volume: Temperature (C) / F) ZZ. 4 ZZ. 6 ZZ. 6 ZZ. 7 INFORMATION TYPE LABORATORY LANCASTER LANCASTER	D.O. (mg/L) TPH-G(8015)/BTE) TPH-G(8015)/BTE)	ORP (mV) ALYSES (+MTBE(8021)



te Address:	J110 11 011 11	+U		Number: 38			nclusive
TES ALTITUMENT .	Chevron #20614 800 Center Stre	et	Eve	ent Date:	8-11-1	 '	HOIUSIV
_	Oakland, CA		Sar	mpler:	Haror	1	
Vell ID Vell Diameter Otal Depth Depth to Water Urge Equipment: Disposable Bailer Stainless Steel Bailer	MW-6 2 in. 15.67 ft. 895 ft. 6.72 xVF	Samp Dispo Press Discre	ling Equipment: sable Bailer ure Bailer ete Bailer	3/4"= 0.02 1 4"= 0.66 5	Well Condition: "= 0.04 2"= 0.17 '= 1.02 6"= 1.50 mated Purge Volume: Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickne Visual Confirmation/D	3"= 0.38 12"= 5.80 3 gal	100 hrs) 2400 hrs)
Suction Pump Grundfos Other:		Other			Skimmer / Absorbant Amt Removed from S Amt Removed from N Water Removed: Product Transferred	Skimmer: Well:	gal gal
Start Time (purge Sample Time/Da Purging Flow Ra Did well de-wate	ate: <u>64 SS / X·</u> ate: <u> </u>	. <u>17-7</u> Sedimer	er Conditions: _ Water Color: _ nt Description: _ e:	Cloud Volume:	Odor: - gal. D.O.	ORP	- -
Time (2400 br.) OTIS OTIS OTIS	Volume (gal.)	pH 0.80 0.18 -	(umhos/cm) 3(g) 403 397	27.2 21.6 21.4	(mg/L)	(mV)	
		0.86 0.18 0.18	367 403 397	27.2 21.4 21.4		(mV)	_ _ _ _
		186 - 280 - 218 - -	ORATORY INFO PRESERV. TYPE HCL HCL NP	PRMATION LABORATORY LANCASTER LANCASTER LANCASTER	7 AN TPH-G(8015)/BTE TPH-G(8015)/BTE	(mV) IALYSES EX+MTBE(8021) EX(8021)	
(2400 br.) OTIS OTIS OTIS OTIS SAMPLE ID	(gal.) (#) CONTAINER X voa vial x voa vial	LAE REFRIG. YES	307 397 30RATORY INFO PRESERV. TYPE HCL HCL	LANCASTER LANCASTER	7 AN TPH-G(8015)/BTE TPH-G(8015)/BTE	(mV) IALYSES EX+MTBE(8021) EX(8021)	



Site Address: 80	hevron #20614 00 Center Stre akland, CA		Ev	ent Date:	5492 8/17/07 JH	(inclusive
City: <u>U</u>	MW- 7_	Date	Monitored: 8	117/2	Well Condition: <u>See</u> し	√(&)
Well Diameter Total Depth	2 in. 15.6/ft. 10.5/ft.	.17	Volume Factor (VF)	4"= 0.66 5"	"= 0.04 2"= 0.17 3"= 0.36 = 1.02 6"= 1.50 12"= 5.8 mated Purge Volume: 2.6/	30
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump	5.1 xvF	Sam Disp Pres Disc	pling Equipment: osable Bailer sure Bailer rete Bailer	×	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Description	(2400 hrs) (2400 hrs) ft ft ft
Suction Pump Grundfos Other:					Skimmer / Absorbant Sock (circ Amt Removed from Skimmer:_ Amt Removed from Well:_ Water Removed:_ Product Transferred to:	gal
Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water	e: <u>1335 / F</u> e: <u>gpm.</u>	-/17/-7 Sedime	ner Conditions: _ Water Color: _ ent Description: _ ne:	C/ea	Odor: No	
Time (2400 hr.) /313 1316 /319	Volume (gal.) . 5	pH 7.36 7.30 7.28	Conductivity (u mhos/cm) 725 731 73 £	Temperature (D.O. OF (mg/L) (m	
			BORATORY INF	ORMATION	T ANALYSES	
SAMPLE ID MW- 7	(#) CONTAINER X voa vial x voa vial x voa vial X x 500ml Amber	REFRIG. YES YES YES	PRESERV. TYPE HCL HCL NP	LABORATORY LANCASTER LANCASTER LANCASTER	ANALYSES TPH-G(8015)/BTEX+MTBE(TPH-G(8015)/BTEX(8021) TPH-Dw/sg(8015)	8021)
COMMENTS:						
	ced Lock:			Add/Replaced F	Plug:Size:	



Sampling Equipment: Disposable Bailer Disposable Bailer Pressure Bailer Discrete Bailer Discrete Bailer Other: Start Time (purge): 0836 Weather Conditions: Sample Time/Date: 09078777 Water Color: Purging Flow Rate:	r: 386492
te Address: Sampler: Sample: Sample:	Cinclusive (inclusive
/ell ID /ell Diameter otal Depth pepth to Water urge Equipment: playsosable Bailer tatacks Pump Suction Pump	Laion
Vell ID Vell Diameter Volume Sampling Equipment: Disposable Bailer Discrete Bailer Discr	Aarore
otal Depth ovater	Well Condition: \(\text{VCSS} \)
wrge Equipment: Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Discr	.02 1 2 0.04 2 0.11
Sampling Equipment: Disposable Bailer Disposable Bailer Pressure Bailer Discrete Bailer Di	5
Sampling Equipment: Disposable Bailer Discrete	ne= Estimated Purge Volume:gal
Disposable Bailer Pressure Bailer Pressure Bailer Discrete Bai	Time Started: (2400 hrs)
Disposable Bailer Itainless Steel Bailer Discrete Bailer Discrete Bailer Discrete Bailer Discrete Bailer Other: Start Time (purge): S	Time Completed: (2400 hrs)
Start Time (purge): OSJO Weather Conditions: Other: Start Time (purge): OSJO Weather Conditions: Other: Start Time (purge): OSJO Weather Conditions: Other: Sample Time/Date: OSOJO / Solo Water Color: Osample Time/Date: OSJO / Solo Water Color: Oslo Water Color:	Depth to Product:ft Depth to Water:ft
Start Time (purge): Start Time (purge): Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) (381) (2400 hr.) (381)	Hydrocarbon Thickness:ft
Start Time (purge): 0836 Weather Conditions: Sample Time/Date: 0900 / Sample Time/Date: opm. Sediment Description: Did well de-water? If yes, Time: Volume (2400 hr.) (gal.) 7	Visual Confirmation/Description:
Start Time (purge): 0836 Weather Conditions: Sample Time/Date: 0900 / 8-17 Water Color: Clear Clear Color: Clear C	
Start Time (purge): 0836 Weather Conditions: Sample Time/Date: 0900 / 8077 Water Color: Clear Sediment Description: Purging Flow Rate: gpm. Sediment Description: Did well de-water? // Sediment Description: Time (2400 hr.) (gal.) / 7647	Skimmer / Absorbant Sock (circle one)
Start Time (purge): 0836 Weather Conditions: Sample Time/Date: 0900 / 8-17-1 Water Color: Clean Clean Color: Clean Clean Color: Clean Clean Clean Color: Clean C	Amt Removed from Skimmer: gal Amt Removed from Well: gal
Sample Time (purge). Sample Time/Date: O O O O O O O O O O O O O O O O O O O	Water Removed:
Sample Time (purge). Sample Time/Date: O O O O O O O O O O O O O O O O O O O	Product Transferred to:
Sample Time (purge). Sample Time/Date: O O O O O O O O O O O O O O O O O O O	
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABOR MW- S x voa vial YES HCL LANC x voa vial YES HCL LANC	ature D.O. ORP. F) (mg/L) (mV)
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABOR MW- S x voa vial YES HCL LANC x voa vial YES HCL LANC	N
MW- X voa vial YES HCL LANC x voa vial YES HCL LANC	(ATURT
MW- S X VOO VIAI TEE HCL LANC	ASTER TPH-G(8015)/BTEX+MTBE(8021)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ASTER TPH-G(8015)/BTEX(8021)
	ASTER TPH-Dw/sg(8015)
COMMENTS:	
Add/Rep	



01	nevron #20614	15	Job	Number: 386		
JIIO1107 ====			 Eve	ent Date:	8-17-7	(inclusive
	0 Center Stre	<u>et</u>		npler:	Davon (
City: Oa	akland, CA					
			Monitored: 怪っ	1-7 V	Vell Condition:	wess_
Well ID	MW-C	Date	viorinorea 4 _ 1		01. 0.47	3"= 0.38
Well Diameter	2 in.		Volume		= 0.04 2"= 0.17 1.02 6"= 1.50	12"= 5.80
Total Depth 🔣	897 ft	100	Factor (VF)			
Depth to Water	9.15 ft.	17	- 49 x3	rase volume= Estim	ated Purge Volume:	15 gal.
	29.22 XVF		_=		ime Started:	(2400 hrs)
	the second second	Samp	ling Equipment:	_ T	ime Completed:	(2400 nrs)
Purge Equipment:			sable Bailer 🔑		epth to Product:	
Disposable Bailer		•	ure Bailer		Depth to Water:	
Stainless Steel Bailer		Discr	ete Bailer	\	/isual Confirmation/De	scription:
Stack Pump		Other	r: <u> </u>			
Suction Pump				1	Skimmer / Absorbant S Amt Removed from Sk	Sock (circle one)
Grundfos Other:				·	Amt Removed from W	ell:gal
Other				l l	Water Removed:	
					Product Transferred to):
Sample Time/Date		17.7 Sedime	Water Color: _ nt Description:	Con		
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 1034	e: Z gpm.	Sedime If yes, Tim	nt Description:	Volume:	gal. D.O. (mg/L)	ORP (mV)
Purging Flow Rate Did well de-water? Time (2400 hr.) 1034	e: Z gpm. ? Volume	Sedime If yes, Tim	conductivity (umhos/cm) (97 684	Temperature (C/F) 22.4 71.7 21.5 DRMATION	D.O. (mg/L)	(mV)
Purging Flow Rate Did well de-water? Time (2400 hr.) 1037	Volume (gal-)	Sedime If yes, Tim	nt Description:e:	Temperature (C/F) ZZ-Y ZI-7 ZI-7 ZI-S DRMATION LABORATORY	D.O. (mg/L)	(mV)
Purging Flow Rate Did well de-water Time (2400 hr.) 1037 1040	Volume (gal.) (#) CONTAINER	Sedime If yes, Tim pH 2. 68 3. 60 LA REFRIG.	Conductivity (umhos/cm) (92 684 685	Temperature (C F) Z Z Y Z I S DRMATION LABORATORY LANCASTER.	D.O. (mg/L) ANA TPH-G(8015)/BTEX	(mV) LYSES +MTBE(8021)
Purging Flow Rate Did well de-water? Time (2400 hr.) 1037	Volume (gal-) (#) CONTAINER x voa vial	Sedime If yes, Tim	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV) LYSES +MTBE(8021)
Purging Flow Rate Did well de-water Time (2400 hr.) 1034 1040 SAMPLE ID	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH COLUMN LA REFRIG. YES	Conductivity (umhos/cm) (97 684 684 BORATORY INFO PRESERV. TYPE HCL	Temperature (C F) Z Z Y Z I S DRMATION LABORATORY LANCASTER.	D.O. (mg/L) ANA TPH-G(8015)/BTEX	(mV)
Purging Flow Rate Did well de-water? Time (2400 hr.) 1034 1040	Volume (gal-) (#) CONTAINER x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV)
Purging Flow Rate Did well de-water? Time (2400 hr.) 1034 1040	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV)
Purging Flow Rate Did well de-water Time (2400 hr.) 1037 1040	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV)
Purging Flow Rate Did well de-water Time (2400 hr.) 1037 1040	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV) LYSES +MTBE(8021)
Purging Flow Rate Did well de-water Time (2400 hr.) 1037 1040	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV) LYSES +MTBE(8021)
Purging Flow Rate Did well de-water Time (2400 hr.) 1037 1040 SAMPLE ID	Volume (gal.) (#) CONTAINER x voa vial x voa vial	Sedime If yes, Tim PH C C C LA REFRIG. YES YES	Conductivity (umhos/cm) (972 (685) BORATORY INFO PRESERV. TYPE HCL HCL	Temperature (C/ F) 22. 4 71.7 21.5 PRMATION LABORATORY LANCASTER LANCASTER	D.O. (mg/L) ANA TPH-G(8015)/BTEX TPH-G(8015)/BTEX	(mV) LYSES +MTBE(8021)



	Chevron #2061	45		Number: 38	8-17-7	(inclusive
J.10	800 Center Stre Oakland, CA			mpler:	Janon 9	<u></u>
Well ID Well Diameter Total Depth Depth to Water Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:	MW-10 2 in. 58.92 ft. 10.18 ft. 48.74 xVF	Sam Disp Pres Disc	Monitored: 8 Volume Factor (VF) = 8,7 x3 pling Equipment: osable Bailer sure Bailer rete Bailer er:	3/4"= 0.02 4"= 0.66	Well Condition: 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from W Water Removed: Product Transferred to	(2400 hrs) (2400 hrs) (2400 hrs) ft ft st scription: Sock (circle one) simmer:gal ell:gal
Start Time (purg Sample Time/D Purging Flow R Did well de-wat Time (2400 hr.)	tate: $\frac{1155}{2}$ gpm. ter? $\frac{1}{1}$ Volume	.17-7 Sedime	water Color: water Color: ent Description: ne: Conductivity (umhos/cm) 905 917	01	gal. D.O. (mg/L)	ORP (mV)
		· · ·	BORATORY INFO	ORMATION		LVOES.
SAMPLE ID MW-1C	x voa vial	REFRIG. YES YES YES	PRESERV. TYPE HCL HCL NP	LANCASTEF LANCASTEF LANCASTEF	TPH-G(8015)/BTEX	+MTBE(8021) (8021)
COMMENTS						
Add/Rep	olaced Lock:	:		Add/Replaced	l Plug:	Size:



	Chevron #2061	45	Job Number:	386492	
and the second s	800 Center Str	eet	Event Date:	8/17/07	(inclusiv
Site Address:			– Sampler:	JI	· .
City:	Oakland, CA		- 		1.46
Nell ID	MW-	Date Monitored	1: 8/17/17	Well Condition: 500	
Well Diameter	2 in.	Volum	3/4"= 0.02	2 1"= 0.04 2"= 0.17 3"= 0	
* •	39.64 ft.		or (VF) 4"= 0.66		5.80
Fotal Depth	10.62 ft.			15	do.
Depth to Water	29.62 ×	1F 17 = 5.0	3 x3 case volume	= Estimated Purge Volume: 15.	gal.
			,	Time Started: Time Completed:	(2400 1115)
Purge Equipment:		Sampling Equip	_	Depth to Product:	ft
Disposable Bailer		Disposable Baile	[_ 	Depth to Water:	fi
Stainless Steel Baile	r	Pressure Bailer		Hydrocarbon Thickness:	ft
Stack Pump		Discrete Bailer		Visual Confirmation/Descripti	on:
Suction Pump		Other:		Skimmer / Absorbant Sock (pircle one)
Grundfos				Skimmer / Absorbant Sock (Amt Removed from Skimme	r: ga
Other:		•		Amt Removed from Well:	gal
	* *			Water Removed:	
•	•			Product Transferred to:	
				Clear	
		141 the Condit		C/200	
Start Time (nur	1200	Weather Condit	10115.	CC 1 Oden A	•
Start Time (purg	ge): 1200	vveather Condit Water C	olor	Clouly Odor: M	<u> </u>
Sample Time/D	ate: 12 40 / 8	117/-> Water C	Color:		<u></u>
Sample Time/D Purging Flow R	Pate: 12 40 / 8 Late: 1 gpm.	Sediment Descrip	Color:	1.3 48	
Sample Time/D	Pate: 12 40 / 8 Late: 1 gpm.	117/-> Water C	Color:	gal.	
Sample Time/D Purging Flow R	Pate: 12 1/0 / 8 Pate: 1 gpm. Pater?	Sediment Description of the Mater Control of the Ma	Color:	gal. D.O.	ORP
Sample Time/D Purging Flow R Did well de-war	Pate: 12 1/0 / 8 Pate: 1 gpm. Pate: 1 gpm. Volume	Sediment Descrip	otion: Volume: Temperatu (C)/ F	gal. D.O.	
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	vate: 12 40 / 8 parte: 1 gpm. volume (gal.)	Sediment Description If yes, Time: Conductive (u mhos/ci	Color: Otion: Volume: Temperatu (C) F	gal. D.O.	ORP
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	Volume (gal.)	Sediment Description If yes, Time: PH Conductive (u mhos/color) 7.07 525	otion: Volume: Temperatu (C) F 28.3	gal. D.O.	ORP
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	Volume (gal.)	Sediment Description	otion: Volume: Temperatu (C) F 15.1	gal. D.O.	ORP
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	Volume (gal.)	Sediment Description If yes, Time: PH Conductive (u mhos/color) 7.07 525	otion: Volume: Temperatu (C) F 15.1	gal. D.O.	ORP
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	Volume (gal.)	Sediment Description	otion: Volume: Volume: Temperatu (C) F 18.3 19.1	gal. pre D.O. (mg/L)	ORP
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.))フル 1211 1217	Volume (gal.) 10 15 15 15 15 15 15 15 15 15 15 15 15 15	Sediment Descrip If yes, Time: pH Conductiv (umhos/ci 7.07 7.01 C.\$9 CABORATOR	Volume: Volume: Temperatu (C) F 78.3 19.1 19.4	gal. gal. ire D.O. (mg/L) TORY ANALYSE	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)	(#) CONTAINER	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 525 7.01 537 6.89 554 LABORATOR REFRIG. PRESERV	tity Temperatu (C) F F S S S S S S S S S S S S S S S S S	gal. gal. ire D.O. (mg/L) TORY ANALYSE STER TPH-G(8015)/BTEX+MTB	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.) リン・レ /211 /217	(#) CONTAINER x voa vial	Sediment Description Sediment Description If yes, Time: pH	tity Temperatu (C) F F F S 3	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 U 12 11 12 17	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 U 12 11 12 17	(#) CONTAINER x voa vial	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 vc 1211 1217	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 U 12 11 12 17	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 U 12 11 12 17	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 vc 1211 1217	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 vc 1211 1217	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 vc 1211 1217	(#) CONTAINER x voa vial 3 x v	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.) 1211 1217 SAMPLE ID MW-11	(#) CONTAINER x voa vial 2 x 500ml Amber	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.)) 2 vc 1211 1217	(#) CONTAINER x voa vial 2 x 500ml Amber	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 15. 1 17. 4 RY INFORMATION TYPE LABORATION LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)
Sample Time/D Purging Flow R Did well de-war Time (2400 hr.) 1211 1217 SAMPLE ID MW-11	(#) CONTAINER x voa vial 2 x 500ml Amber	Sediment Description Sediment Description If yes, Time: PH Conductive (umhos/color) 7.07 S 25 7.01 S 37 6.59 S 54 LABORATOR REFRIG. PRESERV YES HCI YES HCI	Temperatu (C) F 28.3 19.1 19.4 RY INFORMATION TYPE LABORAT LANCAS LANCAS	gal. gal. TORY ANALYSE STER TPH-G(8015)/BTEX+MTB STER TPH-G(8015)/BTEX(8021	ORP (mV)



ite Address: 8		45	Jo	b Number: 38	6492	
	00 Center Str		· E\	ent Date:	8/17/07	(inclus
ity	akland, CA		Sa	ampler:	שעב	
Vell ID	MW- 12	Date	Monitored: 8	117/07	Well Condition:	seems
Vell Diameter	2 in.	. · · · · · · · · · · · · · · · · · · ·	Volume	J)-1 U.U.	"= 0.04 2"= 0.17 '= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
	58,20 ft. 10.55 ft.		Factor (VF)			2// 2 =
epth to Water _	47.65 ×V	F .17	_= 8.10 x	case volume= Esti	mated Purge Volume:_	
urge Equipment:		San	npling Equipment:		Time Started: Time Completed: Depth to Product:	(2400 hr (2400 h
isposable Bailer			oosable Bailer ssure Bailer		Depth to Water:	
Stainless Steel Bailer Stack Pump		Disc	crete Bailer		Hydrocarbon Thicknes Visual Confirmation/De	escription:
Suction Pump Grundfos					Skimmer / Absorbant S Amt Removed from Sl	Sock (circle one)
Other:	 .			·	Amt Removed from W	/ell:
	•				Water Removed: Product Transferred to	D:
•						
	. 1115	Weat	her Conditions:	cle		
Start Time (purge): Sample Time/Date		117/0	Water Color:	clea	Odor:	<u>la</u>
Purging Flow Rate		Sedime	ent Description:		Mone	
Did well de-water		If yes, Tir	ne:	Volume:	gal.	
Time (2400 hr.)	Volume (gal.)	рН	Conductivity (umhos/cm)	Temperature	D.O. (mg/L)	ORP (mV)
1119	8	7.07	386	20.2		· · · · · · · · · · · · · · · · · · ·
1124		6.89	354	19.7		
1130	24	6.52	<u> 417 </u>			
				DOMATION		
	(#) CONTAINER	REFRIG.	BORATORY INFO	LABORATORY		LYSES
SAMPLE ID	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX	
MW- 12	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX TPH-Dw/sg(8015)	.(8021)
	2 x 500ml Amber	YES	NP	LANCASTER	TPH-DW/Sg(8013)	
I .						
	·					
			1			
			 			
COMMENTS:						
COMMENTS:						



e Address: 80	: gpm.	Date Date Sam Disp Pres Disc Other Weath 17.1 Sedime	Monitored: Volume Factor (VF) Pling Equipmen rosable Bailer rete Bailer rete Bailer rete Bailer rete Bailer rete Bailer rete Conditions Water Colo rent Description re: Conductivity	Event Date: Sampler: 3/4"= 0.02 4"= 0.66 x3 case volume= Et: Clear Volume:	Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed fron Amt Removed fron Water Removed: Product Transferre	7 3"= 0.38 0 12"= 5.80 ne: / 4 gal. (2400 (2400	00 hrs) ft ft ft
ell ID ell Diameter otal Depth epth to Water arge Equipment: sposable Bailer ainless Steel Bailer ack Pump action Pump rundfos ther: Cample Time/Date Did well de-water? Time (2400 hr.)	NW- 3 in.	Date F Sam Disp Pres Disc Other Weath 17:1 Sedime If yes, Tim	Monitored: Volume Factor (VF LANGE Factor (VF Appling Equipmen osable Bailer ssure Bailer crete Bailer er: mer Conditions Water Colo ent Description ne: Conductivity	Sampler: 3/4"= 0.02	Well Condition: 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 Estimated Purge Volum Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed from Water Removed: Product Transferred Odd gal.	7 3"= 0.38 0 12"= 5.80 ne: 144 gal. (2400 (2400 ness:	00 hrs)ftftftftftgal
rell ID rell Diameter otal Depth epth to Water rarge Equipment: sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	MW-13 2 in. 28.43 ft. 29.40 ft. 28.53 xvi	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	Monitored: Volume Factor (VF) Liping Equipment Posable Bailer Po	8-17-7 3/4"= 0.02 4"= 0.66 x3 case volume= E t: Clea Volume:	Well Condition: 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 Estimated Purge Volum Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed from Water Removed: Product Transferre Odc gal.	7 3"= 0.38 0 12"= 5.80 ne: 144 gal. (2400 (2400 ness:	00 hrs)ftftftftgal
rell Diameter otal Depth epth to Water arge Equipment: sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water?	2 in. S8.43 ft. 9.90 ft. 78.53 xVI 1248 1310 /8. 2 gpm. Volume	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	Volume Factor (VF — 4 8 spling Equipmen rosable Bailer resure Bailer rete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	3/4"= 0.02 4"= 0.66 x3 case volume= E t:	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 Estimated Purge Volum Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed from Water Removed: Product Transferre Odd gal.	7 3"= 0.38 0 12"= 5.80 ne: / / (gal. (2400 (2400 (2400 ness: _ n/Description: _ n Skimmer: _ n Well: _ n Well: _ n Well: n Well: _	00 hrs)ftftftftftgal
rell Diameter otal Depth epth to Water arge Equipment: sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water?	2 in. S8.43 ft. 9.90 ft. 78.53 xVI 1248 1310 /8. 2 gpm. Volume	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	Volume Factor (VF — 4 8 spling Equipmen rosable Bailer resure Bailer rete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	3/4"= 0.02 4"= 0.66 x3 case volume= E t:	Stimated Purge Volum Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre	12"= 5.80 ne:	00 hrs)ftftftftftgal
otal Depth epth to Water arge Equipment: sposable Bailer ainless Steel Bailer ack Pump action Pump rundfos ther: Chart Time (purge): Chart Time	1248 1310 /8. Volume	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	ractor (VF = 4,8 spling Equipmen sosable Bailer source Bailer serete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	2) 4"= 0.66 x3 case volume= E t:	Stimated Purge Volum Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre	12"= 5.80 ne:	00 hrs)ftftftftft
epth to Water urge Equipment: sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1248 : 1310 /8. : Z gpm. Volume	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	pling Equipmen posable Bailer pure Bailer prete Bailer per Conditions Water Colo pent Description me: Conductivity	x3 case volume= E t: S: Clear T: Volume:	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Amt Removed from Water Removed: Product Transferre	gal. (2400 (00 hrs)ftftftftgal
srge Equipment: sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther:	78 53 xVI	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	nosable Bailer seure Bailer crete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	s: S r: Clean	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre Odc gal.	(2400 (2400	00 hrs)ftftftftftgal
sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther:	1248 1310 /8. 2 gpm. Volume	Sam Disp Pres Disc Othe Weath 17:1 Sedime If yes, Tim	nosable Bailer seure Bailer crete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	s: S r: Clean	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre Odc gal.	(2400 (2400	00 hrs)ftftftftft
sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther:	1310 /8. 2 gpm. Volume	Weath 17:1 Sedime If yes, Tim	nosable Bailer seure Bailer crete Bailer er: her Conditions Water Colo ent Description ne: Conductivity	s: S r: Clean: Volume:	Depth to Product:	aness:_ n/Description: ant Sock (circle one) n Skimmer:_ n Well:_ ed to:	ft ft ft gal
sposable Bailer ainless Steel Bailer ack Pump uction Pump rundfos ther:	1310 /8. 2 gpm. Volume	Weath 17.1 Sedime If yes, Tim	ner Conditions Water Colo ent Description Conductivity	r: <u>Ceo</u> n: Volume:	Depth to Water: Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed fron Water Removed: Product Transferre Odc gal.	aness:	ft ft gal
ainless Steel Bailer lack Pump luction Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Weath 17.1 Sedime	ner Conditions Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Hydrocarbon Thick Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre Odc gal.	ant Sock (circle one) skimmer: where we have a content of the content of the content one) where we have a content of the content one of the content on the cont	ft gal
ack Pump uction Pump rundfos ther:	1310 /8. 2 gpm. Volume	Weath 17:1 Sedime	ner Conditions Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Visual Confirmation Skimmer / Absorba Amt Removed from Water Removed: Product Transferre Odc gal.	n/Description: ant Sock (circle one) n Skimmer: m Well: ed to:	_ gal _ gal _ _
oution Pump rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Weath 17-1 Sedime If yes, Tim	ner Conditions Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Amt Removed from Amt Removed from Water Removed: Product Transferre Odc	n Skimmer: n Well: ed to: Dr:	gal gal
rundfos ther: Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Amt Removed from Amt Removed from Water Removed: Product Transferre Odc	n Skimmer: n Well: ed to: Dr:	gal gal
Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Amt Removed from Water Removed: Product Transferre Odc gal.	or:	gal
Start Time (purge): Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Water Removed:Odc	or:	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Odc gal.	or: <u>A/o</u>	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Odc		
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	1310 /8. 2 gpm. Volume	Sedime If yes, Tim	Water Colo ent Description ne: Conductivity	r: <u>Ceo</u> n: Volume:	Odc		
·	10	7.40 7.33 1.29	(umhos/cm) 471 464 467	7 (4) 21. 2) (mg/L)	(mV)	
		1.4	BORATORY IN	IFORMATION			
	(#) CONTAINER	REFRIG.	PRESERV. TY	E LABORATO		ANALYSES	
SAMPLE ID	(#) CONTAINER		HCL	LANCASTE	R TPH-G(8015)/B	TEX+MTBE(8021)	
MW-13	x voa vial	YES	HCL	LANCASTE	1 1004		
	2 x 500ml Amber	YES	. NP	LANCASTE	R TPH-Dw/sg(801	10)	\dashv
			1				
			 				
		<u></u>	_ 		- 		
COMMENTS:							
Add/Replace						Size:	



	Chevrou #Zuu i	40	Job Number:		· · ·
10(10)	Chevron #2061 800 Center Stre		Event Date:	8.17-7	(inclusi
te Address:	Oakland, CA		Sampler:	Agron (
ty: 	Outraina, si				
ell ID	MW-14	Date Monitored:	8-17-7	Well Condition:	<u>ددی کی</u>
/ell Diameter	2 in.	Volum	3/4"= 0.02	1 - 0.04	3"= 0.38
	58-91 ft.	Factor		5"= 1.02 6"= 1.50	12"= 5.80
otal Depth epth to Water		<u> </u>			743
eptil to vvaio.	48-14 XVI	F_17 = 8.1	x3 case volume=	Estimated Purge Volume:	(2400 hrs)
		Sampling Equipn	nent:	Time Started: Time Completed:	
urge Equipment:		Disposable Bailer	3/	Depth to Product:	
isposable Bailer		Pressure Bailer		Depth to Water:	
tainless Steel Baile	r	Discrete Bailer		Hydrocarbon Thickness:	ft
tack Pump				Visual Confirmation/Des	cription:
uction Pump		Other:		Skimmer / Absorbant Sc	ock (circle one)
Grundfos				Amt Removed from Skir	nmer: 9
other:				Amt Removed from We	ll: 9;
•				Water Removed: Product Transferred to:	
				Product transferred to.	
	. 12.17	Weather Condition	ons: Sr	MAY	
Start Time (purg	ge): 1217		716		No
		i i vvateru	olor: Clea	<u> </u>	_
Sample Time/D	oate: 1240 18	Vvater Co			
Sample Time/D	Date: 1240 18 Late: 2 gpm.	Segment pescup	tion:		
Sample Time/D Purging Flow F	Pate: 1240 / & gpm.	Sediment Descrip	tion:		
Sample Time/D	tate: 1240 / 8 gpm. ster?	If yes, Time:	tion: Volume:	gal.	ORP
Sample Time/D Purging Flow F Did well de-wa Time	tate: 1240 / 8 gpm. ter?	If yes, Time:	tion: Volume: y Temperature	gal.	ORP (mV)
Sample Time/D Purging Flow F Did well de-wa	tate: 1240 / 8 gpm. ter?	If yes, Time:	tion: Volume: y Temperature	gal.	•
Sample Time/D Purging Flow F Did well de-wa Time	vate: 1240 / 8 gpm. ter? Volume (sel.)	If yes, Time:	tion: Volume: y Temperature	gal.	•
Sample Time/D Purging Flow F Did well de-wa Time	vate: 1240 / 8 gpm. ter?	If yes, Time:	tion: Volume: y Temperature	gal. gal. 	•
Sample Time/D Purging Flow F Did well de-wa Time	vate: 1240 / 8 gpm. ter? Volume (sel.)	If yes, Time:	Volume: Volume: Temperature (C) / F	gal. gal. 	
Sample Time/D Purging Flow F Did well de-wa Time	vate: 1240 / 8 gpm. ter?	If yes, Time:	Volume:	gal. . D.O. .) (mg/L)	(mV)
Sample Time/Depurging Flow Flow Flow Flow Flow Flow Flow Flow	vate: 1240 / 8 gpm. ter?	If yes, Time:	Volume: Yolume: Yol	gal. D.O. (mg/L)	(mV)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (ask) (#) CONTAINER	If yes, Time:	Volume: Volume: Y Temperature Y Temperature Y Y TEMPERATION TYPE LABORATO LANCAST	galgal	(mV) YSES MTBE(8021)
Sample Time/Depurging Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial	If yes, Time: PH Conductivit (umhos/cm 17/2 GUY GUY GUY GUY FEFRIG. PRESERV. YES HCL	Volume: Volume: Y Temperature Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	volume (#) CONTAINER x voa vial x voa vial	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurying Flow Flow Flow Flow Flow Flow Flow Flow	(#) CONTAINER (#) CONTAINER x voa vial x x 500ml Amber	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)
Sample Time/Depurging Flow For Did well de-ward Time (2400 hr.) VICE VICE VICE VICE VICE VICE VICE VIC	(#) CONTAINER (#) CONTAINER x voa vial x x 500ml Amber	If yes, Time:	Volume: Volume: Y INFORMATION TYPE LABORATO LANCAST LANCAST		(mV) YSES MTBE(8021)



Client/Facility #. Site Address: 800 Center Street Event Date: 8/17/07 (incl City: Oakland, CA Sampler: Well Condition: See Wass Well ID MW- IT Date Monitored: 8/17/07 Well Condition: See Wass Well ID Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38 Well Diameter 36. F2 ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80 Depth to Water 9.73 ft. 17 4"-0.66 5"= 1.02 6"= 1.50 12"= 5.80 gal.	 4. C	Chevron #206145		Job Number:	386492	
Marrie M				· ·	8/17/07	(inclusive
Well ID MW				Sampler:	JU	
Well Dameter 2 in.	City:	Jakiand, CA				
Well Diameter 2 in. Volume Factor (VF) 3/4"= 0.02 4"= 0.04 2"= 0.17 3"= 0.38 12"= 5.80 Total Depth 36. \$2 ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80 Depth to Water 9.73 ft. 27.09 xVF 1/7 = 41.00 x3 case volume= Estimated Purge Volume: 13.81 gal. Purge Equipment: Disposable Bailer Stack Pump Disposable Bailer Discrete Bailer		2014 IT	Date Monitored	8/17/02	Well Condition: Se	e wiss
Time Conditions Condition			Date Monitored.		·	
Depth to Water	Well Diameter _				1 = 0.04 = 0111	
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Start Time (purge): Disposable Time/Date: Disposable Bailer Disposable Bailer Start Time (purge): Disposable Bailer Other: Start Time (purge): Disposable Bailer Other: Start Time (purge): Disposable Bailer Discrete Bailer Other: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Water Removed: Product Transferred to: Skimmer / Absorbant Sock (circle one) Amt Removed from Well: Water Removed: Product Transferred to: Start Time (purge): Did well de-water? Volume (2 gpm. Sediment Description: Did well de-water? Volume (2400 hr.) (gal.) (gal.) (487 462 (7.87 497 (7.3) (91.2) LABORATORY INFORMATION LABORATORY INFORMATION LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY TPH-L6(8015)/BTEX+MTBE(8021) THIP-LOW/SQR015) TPH-LOW/SQR015) Novo vial YES HCL LANCASTER TPH-L6(8015)/BTEX+MTBE(8021) LANCASTER TPH-L6(8015)/BTEX+MTBE(8021)	•		Factor (V			· ·
Purge Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Pressure Bailer Discrete Bailer D	Depth to Water _		.17 _ 4.60	v3 case volume=	Estimated Purge Volume:	3. <i>81</i> gal.
Purge Equipment: Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Discrete Bailer	-	21.09 xVF_		_ X3 case volume	Time Started:	(2400 hrs)
Disposable Bailer	D Equipment		Sampling Equipme	nt:	Time Completed:	(2400 hrs)
Start Time (purge): 10 30			Disposable Bailer			
Stack Pump			Pressure Bailer			·
Start Time (purge): 10 30			Discrete Bailer		Hydrocarbon Thickness.	cription:
Start Time (purge): 10 30			Other:		- 1	
Start Time (purge): 10 30	•				Skimmer / Absorbant So	ck (circle one)
Start Time (purge): 10 30 Weather Conditions: Clean	*			•	Amt Removed from Skin	i: gal
Start Time (purge): 10 30 Weather Conditions: Clean		•			Water Removed:	<u></u>
Start Time (purge): 10 30	••				Product Transferred to:	
Start Time (purge): 10 30		•		*		
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALTSES MW- 5 x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX+MTBE(8021) X voa vial YES HCL LANCASTER TPH-G(8015)/BTEX(8021)	(2400 hr.) 1033 1036	(gal.) 6.	84 (<i>u</i> mhos/cm) 84 462 81 487	(C) F 19.8	. (
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALTSES MW- 15 x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX+MTBE(8021) X voa vial YES HCL LANCASTER TPH-G(8015)/BTEX(8021) X voa vial YES HCL LANCASTER TPH-Dw/sq(8015)				NEODMATION		
SAMPLE ID (#) CONTAINER REPRIS. TRES. THI-G(8015)/BTEX+MTBE(8021) MW- 15 x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX(8021) X voa vial YES HCL LANCASTER TPH-G(8015)/BTEX(8021) LANCASTER TPH-Dw/sq(8015)		Two courses D		PE LABORATO		
MW- 13					ER TPH-G(8015)/BTEX+	
A VOS VIOLENTE LANCASTER TPH-DW/sg(8015)	MW- 13				ER TPH-G(8015)/BTEX(8	021)
				LANCAST	ER TPH-Dw/sg(8015)	
		A COOME, SHIPON				
						, l
COMMENTS:	COMMENTS:					



/IICI 101 GUIII	Chevron #2061		Job Number: 38	8/17/07	(inclusive
site Address:	800 Center Stre	eet	Event Date:	J)	(IIICIUSIV
	Oakland, CA		Sampler:	0#	
			-1.7		See Wiss
Vell ID	MW- / (Date Monitored:	8/17/7	Well Condition:	
Vell Diameter	2 in.	Volume	3/4"= 0.02 1	"= 0.04 2"= 0.17	3"= 0.38
Total Depth	58.18 ft.	Factor (V		'= 1.02 6"= 1.50	12"= 5.80
Depth to Water		a col	x3 case volume= Esti		24.18
, septim to 11210	47.42 xV	F. 17 = 8.06			
•		o		Time Started:	(2400 hrs) (2400 hrs)
Purge Equipment:		Sampling Equipmer	" ×	Depth to Product:	
Disposable Bailer		Disposable Bailer	<u></u>	Depth to Water:	ft
Stainless Steel Bailer		Pressure Bailer		Hydrocarbon Thickne	ss:ft
Stack Pump		Discrete Bailer		Visual Confirmation/D	escription:
Suction Pump		Other:		Skimmer / Absorbant	Sock (circle one)
Grundfos				Amt Removed from S	kimmer: gal
Other:				Amt Removed from V	Vell:gal
,				Water Removed: Product Transferred	10:
,				Product Transferred	
Start Time (purge	1030	Weather Condition	J.	?au	
Sample Time/Da	ite: 1/60 / 8	117/07 Water Cold	or: Clo-		LO
Sample Time/Da	ite: 1/60 / 8	Vater Colo Sediment Descriptio	or:	1.5/1/	
Sample Time/Da Purging Flow Ra	ite: 1/60 / 8 ite: 2 gpm.	Sediment Descriptio	or:		
Sample Time/Da	ite: 1/60 / 8 ite: 2 gpm.	Sediment Descriptio	or: Clo- n: Volume:	gal.	ORP
Sample Time/Da Purging Flow Ra	ite: 1/60 / 8 ite: 2 gpm.	Sediment Descriptio If yes, Time: Conductivity	or: Clo- on: Volume:	gal.	
Sample Time/Da Purging Flow Ra Did well de-wate	te: 1/60 / 8 te: 2 gpm. tr? No Volume (gal.)	Sediment Descriptio If yes, Time: pH	Volume: Temperature	gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate	volume (gal.)	Sediment Description If yes, Time: pH Conductivity (u mhos/cm) 7.01	Volume: Temperature (P / F)	gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034	volume (gal.)	Sediment Description If yes, Time: PH Conductivity (u mhos/cm) 7.01 8% 6.59 834	Temperature (gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	volume (gal.)	Sediment Description If yes, Time: pH Conductivity (u mhos/cm) 7.01	Volume: Temperature (P / F)	gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034	volume (gal.)	Sediment Description If yes, Time: pH Conductivity (umhos/cm) 7.0) 6.59 6.59 867	Temperature (gal.	ORP
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039	volume (gal.) y 160 / 8 2 gpm. Volume (gal.) y 16 24	Sediment Description If yes, Time: pH Conductivity (umhos/cm) 7.01 8% 6.59 839 6.79 867 LABORATORY II	Volume: Temperature (P F) /9.8 15.4 11.5	gal	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	te: 1/60 / 8 the: 2 gpm. Volume (gal.) Y 16 24 (#) CONTAINER	Sediment Description If yes, Time: pH Conductivity (umhos/cm) 7.0) 8% 6.59 834 6.78 LABORATORY II REFRIG. PRESERV. TY	Temperature (P F) /9.8 /15.4 /15.5 NFORMATION PE LABORATORY	gal. D.O. (mg/L) AN. TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039	(#) CONTAINER x voa vial	Sediment Description If yes, Time: pH Conductivity (umhos/cm) 7.0) 8% 6.59 834 6.79 867 LABORATORY II REFRIG. PRESERV. TY YES HCL	Volume: Temperature (P F) /9.8 15.4 11.5	gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (P F) /9.8 /9.1 /11.) NFORMATION PE LABORATORY LANCASTER	gal. D.O. (mg/L) AN. TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial	Sediment Description If yes, Time: pH Conductivity (umhos/cm) 7.0) 8% 6.59 8.34 8.57 LABORATORY II REFRIG. PRESERV. TY YES HCL YES HCL	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1034 1039 1044 SAMPLE ID MW- 16	(#) CONTAINER x voa vial 3 x voa vial	Sediment Description If yes, Time: pH	Temperature (gal. D.O. (mg/L) ANA TPH-G(8015)/BTE: TPH-G(8015)/BTE	ORP (mV)



	havron #2064	45	Job	Number: 386	1432	
	hevron #2061			ent Date:	8/17/07	(inclusive
	00 Center Str	eet			JI	
ity: <u>C</u>	akland, CA			mpler:		
	nava. 17	Date	Monitored: 8/	17/07	Well Condition: See	e wij
Vell ID	<u>MW- //</u>	Date	Mornicorea.			nu - 0 00
Vell Diameter _	2 in.		Volume	3/7 - 0.02	- 0,0-1	3"= 0.38 2"= 5.80
otal Depth	73.08 ft.		Factor (VF)		1,02	
	16.22 ft.	F17	= 9.66 x3	case volume= Estin	nated Purge Volume:2	8.99 gal.
-	56.86x	F		T 1	ime Started:	(2400 hrs)
urge Equipment:		San	pling Equipment:		Fime Completed:	
Disposable Bailer		Disp	oosable Bailer		Depth to Product:	
Stainless Steel Bailer		Pres	ssure Bailer		Depth to Water: Hydrocarbon Thickness:_	
		Disc	crete Bailer		Hydrocamon Thickness. Visual Confirmation/Desc	
Stack Pump		Oth	er:		·	
Suction Pump		•			Skimmer / Absorbant So	ck (circle one)
Grundfos	· ·				Amt Removed from Skim	ımer: gal · gal
Other:	1				Amt Removed from Well Water Removed:	gai
	1.				Product Transferred to:_	
		•				
						and the second s
Start Time (purge):	0830		her Conditions: _	<i>~</i> 1 1		10
Start Time (purge)		Weat	her Conditions: _ Water Color: _			<u> </u>
Sample Time/Date	6915 18	117/07		Clay	Odor:	<u> </u>
Sample Time/Date Purging Flow Rate	e: <u>0915 8</u> e: <u> </u> gpm.	<u>17/07</u> Sedime	Water Color: _ ent Description: _	Clay		LO
Sample Time/Date	e: <u>0915 8</u> e: <u> </u> gpm.	<u>17/07</u> Sedime	Water Color: _ ent Description: _ ne:	Clay Volume:	Odor: gal.	
Sample Time/Date Purging Flow Rate Did well de-water	e: <u>0915 8</u> e: <u> </u> gpm.	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity	Volume:	Odor: gal. b.o.	ORP (mV)
Sample Time/Date Purging Flow Rate	e: 6515 / 8 e:	<u>17/07</u> Sedime	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm)	Volume:	Odor: gal.	ORP
Sample Time/Date Purging Flow Rate Did well de-water Time	9: 6915 / 8 9: 1 gpm. 7 NO Volume	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) & 32	Volume: Temperature (• / F) 19.3	Odor: gal. b.o.	ORP
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) \$ 90	9: 6515 / 8 9: 1 gpm. 7 NO Volume (gal.)	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 632	Volume: Temperature (• / F) /9.3	Odor: gal. b.o.	ORP
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.)	9: 6515 / 8 9: gpm. Volume (gal.) 10	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) & 32	Volume: Temperature (• / F) 19.3	Odor: gal. b.o.	ORP
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0840	9: 6515 / 8 9:	Sedime If yes, Tin	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 632	Volume: Temperature (• / F) /9.3	Odor: gal. b.o.	ORP
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0840	9: 6515 / 8 9:	Sedime If yes, Tin pH 6.87 6.65 6.59	Water Color:ent Description:ent Description:ene:	Volume:	gal. D.O. (mg/L)	ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0840 0850 0860	9: 6515 8 9: gpm.	Sedime If yes, Tin pH 6.87 6.65 6.59	Water Color: _ ent Description: _ ne: Conductivity (umhos/cm) 632 654 661	Volume: Temperature (• / F) /9.3 /8.9 /8.7 DRMATION LABORATORY	gal. D.O. (mg/L)	ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6515 / 8 9:	117/07 Sedime If yes, Tin pH 6.87 6.65 6.59	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 659 661 BORATORY INFO PRESERV. TYPE HCL	Volume: Temperature (• / F) /9.3 /8.9 /8.7 PRMATION LABORATORY LANCASTER	gal. D.O. (mg/L) ANALY TPH-G(8015)/BTEX+N	ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0 8 4 0 0 8 5 0 0 9 60	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG.	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 664 661 ABORATORY INFO PRESERV. TYPE HCL HCL	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6515 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 659 661 BORATORY INFO PRESERV. TYPE HCL	Volume: Temperature (• / F) /9.3 /8.9 /8.7 PRMATION LABORATORY LANCASTER	gal. D.O. (mg/L) ANALY TPH-G(8015)/BTEX+N	ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 664 661 ABORATORY INFO PRESERV. TYPE HCL HCL	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0 \$ 40 0 \$ 50 6 \$ 60 SAMPLE ID MW- 17	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)
Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0846 0850 6960	9: 6915 / 8 9:	Sedime If yes, Tin PH 6.87 6.65 6.59 LA REFRIG. YES YES	Water Color: ent Description: ne: Conductivity (umhos/cm) 632 654 661 ABORATORY INFO PRESERV. TYPE HCL NP	Volume: Temperature (gal. D.O. (mg/L) TPH-G(8015)/BTEX+M TPH-G(8015)/BTEX(ORP (mV)

Chevron California Region Analysis Request/Chain of Custody 08707 - 67 Acct. #: 10904 | Sample # 5132324-32 Group #: 002603 Lancaster Laboratories C#1052180 **Preservation Codes Preservative Codes** Facility #: SS#206145-OML G-R#386492 Global ID#T0600102230 Matrix T = Thiosulfate H = HCl Site Address 800 CENTER STREET, OAKLAND, CA B = NaOH $N = HNO_3$ S = H2SO4 O = Other Lead Consultant CRACE Chevron PM.SS Containers ☐ J value reporting needed Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568 ☐ Potable 8021 PH 8015 MOD DRO KX Silica Gel ☐ Must meet lowest detection limits
 Consultant Prj. Mgr. Deanna L. Harding (deanna@grinc.com) possible for 8260 compounds 8260 8021 MTBE Confirmation ₹ Fax #: 925-551-7899 Consultant Phone #925-551-7555 Sampler Agron Chandles Confirm highest hit by 8260 Confirm all hits by 8260 Fotal Lead Run ____ oxy's on highest hit Water Grab Time ☐ Run ____ oxy's on all hits Date Collected Collected Sample Identification Comments / Remarks X 205 × MW-6 XX MOO MM-8

					1 1	1 1 1				1 1 1	1 1				
Turnaround Time I	Requested (TAT) 72 hour 4 day	(please circle) 48 hour 5 day		Reling	ished by		er_	Date	Time	Received by: Received by:	14	2	- 37 87	907	Time Time
Data Package Option QC Summary Type VI (Raw Data)	ons (please circle l Type I - Full □ Coelt Delivera		F/EDD	Relingi		Commercial	Carrier:	- Date		Received by:	12AM			Date A	Time
WIP (RWQCB)				Tempe	rature U	oon Receipt_	07-50		℃	Custody Sea	is intact?	Y98 I	40		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north) Rev. 10/12/06

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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



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		Lancaster Labs Number
QA-T-070817	NA Water	5132224
	Grab Water	5132225
MW-1A-W-070817	Grad Transfer	5132226
MW-2-W-070817	Grab Water	5132227
MW-3-W-070817	Grab Water	5132228
MW-4-W-070817	Grab Water	<u> </u>
MW-5-W-070817	Grab Water	5132229
MW-6-W-070817	Grab Water	5132230
	Grab Water	5132231
MW-7-W-070817	Oldo III	5132232
MW-8-W-070817	Grab Water	

ELECTRONIC COPY TO

CRA c/o Gettler-Ryan

Attn: Cheryl Hansen



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

Respectfully Submitted,

Devan M Goshert Susan M. Goshert

Group Leader



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Page 1 of 1

Lancaster Laboratories Sample No.

QA-T-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected: 08/17/2007

Account Number: 10904

Submitted: 08/18/2007 09:45 Reported: 09/07/2007 at 13:56

6001 Bollinger Canyon Rd L4310

Discard: 10/08/2007

San Ramon CA 94583

CSOQA

I 5E W				As Received		Dilution
CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. f TPH-GRO does no g prior to the CG	N.D. ot include MTBE (6 (n-hexane) TPH	50. or other -GRO range	ug/l	1
02159	BTEX, MTBE					
-		71-43-2	N.D.	0.5	ug/l	1
02161	Benzene	108-88-3	N.D.	0.5	ug/l	1
02164	Toluene	100-41-4	N.D.	0.5	ug/1	1
02166	Ethylbenzene	1330-20-7	N.D.	1.5	ųg/l	1
02171 02172	Total Xylenes Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

		Laboratory	Chro	nicle Analysis	•	Dilution
	Analysis Name TPH-GRO - Waters	Method TPH GRO SW-846 8015B	Trial#	Date and Time 08/20/2007 16:46	Analyst Martha L Seidel	Factor 1
01729	BTEX, MTBE GC VOA Water Prep	mod SW-846 8021B SW-846 5030B	1	08/20/2007 16:46 08/20/2007 16:46	Martha L Seidel Martha L Seidel	1 1



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Page 1 of 1

5132225 Lancaster Laboratories Sample No.

MW-1A-W-070817 Grab

GRD

Facility# 206145 Job# 386492 800 Center Street-Oakland T0600102230

MW-1A

Collected: 08/17/2007 12:05

Submitted: 08/18/2007 09:45

Account Number: 10904

Reported: 09/07/2007 at 13:56

6001 Bollinger Canyon Rd L4310

Discard: 10/08/2007

San Ramon CA 94583

С	S001	
•	5 T 147	

I 5E w				As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	As Received Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,100.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the Co	160. bt include MTBE of (n-hexane) TPH-	50. or other GRO range	ug/l	1
02159	BTEX, MTBE		•			
02161 02164 02166 02171 02172	Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	2.5 0.8 2.0 2.7 N.D.	0.5 0.5 0.5 1.5 2.5	ug/l ug/l ug/l ug/l ug/l	1 1 1 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

1.0		-		Analysis		Dilucion
CAT		Method	Trial#	Date and Time	Analyst	Factor
No.	Analysis Name	SW-846 8015B	1	08/31/2007 15:59	Diane V Do	1 .
06610 01729	TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	TPH GRO SW-846 8015B	ı	08/20/2007 20:36	Martha L Seidel	1
		mod SW-846 8021B	1	08/20/2007 20:36	Martha L Seidel	. 1
02159	BTEX, MTBE		1	08/20/2007 20:36	Martha L Seidel	1
01146 02376	GC VOA Water Prep Extraction - Fuel/TPH (Waters)	SW-846 5030B SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	1



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Page 1 of 1

5132226 Lancaster Laboratories Sample No.

MW-2-W-070817 Grab Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230

GRD

Collected:08/17/2007 10:15

Account Number: 10904

Submitted: 08/18/2007 09:45

Reported: 09/07/2007 at 13:56

(Waters)

6001 Bollinger Canyon Rd L4310

Discard: 10/08/2007

San Ramon CA 94583

CS002

I 5E w				As Received		
			As Received	Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel The surrogate data is outside available for a reextraction,	n.a. the QC limits. the data is rep	1,000. Since there was ported.	50. s no sample	ug/l	
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the Co	N.D. ot include MTBE 5 (n-hexane) TPH	50. or other -GRO range	ug/l	
02159	BTEX, MTBE					
02161 02164 02166 02171 02172	Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5 2.5	ug/l ug/l ug/l ug/l ug/l	1 1 1 1

State of California Lab Certification No. 2116

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 17:08 08/20/2007 21:09	Analyst Diane V Do Martha L Seidel	Factor 1 1
02159 01146 02376	BTEX, MTBE GC VOA Water Prep Extraction - Fuel/TPH	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/20/2007 21:09 08/20/2007 21:09 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 1

5132227 Lancaster Laboratories Sample No.

MW-3-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected: 08/17/2007 13:45

CSO03

Submitted: 08/18/2007 09:45 Reported: 09/07/2007 at 13:56 Discard: 10/08/2007

6001 Bollinger Canyon Rd L4310

San Ramon CÃ 94583

Account Number: 10904

I 5E W			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	4,900.	160.	ug/1	5
01729	TPH-GRO - Waters				/2	100
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does not prior to the C6	46,000. include MTBE on (n-hexane) TPH-0	5,000. c other GRO range	ug/l	100
02159	BTEX, MTBE			•		
02161 02164 02166 02171 02172	Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	240. 1,900. 3,800. 5,600.	5.0 5.0 5.0 15. 25.	ug/l ug/l ug/l ug/l ug/l	10 10 10 10

State of California Lab Certification No. 2116

		Laboratory	Chro	N1C1E Analysis		Dilution
CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 16:22 08/21/2007 04:51	Analyst Diane V Do Martha L Seidel	Factor 5 100
01729 02159 01146 01146 02376	TPH-GRO - Waters BTEX, MTBE GC VOA Water Prep GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 5030B SW-846 3510C	1 1 2 1	08/21/2007 09:15 08/21/2007 04:51 08/21/2007 09:15 08/21/2007 11:00	Martha L Seidel Martha L Seidel Martha L Seidel Jessica Agosto	10 100 10



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Page 1 of 2

5132228 Lancaster Laboratories Sample No.

MW-4-W-070817

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected: 08/17/2007 09:45

Account Number: 10904

Submitted: 08/18/2007 09:45 Reported: 09/07/2007 at 13:56

6001 Bollinger Canyon Rd L4310

Discard: 10/08/2007

interferent.

San Ramon CA 94583

CSO04

I 5B w				As Received		
CAT		•	As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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 gasoline constituents elutin start time.	f TPH-GRO does no g prior to the Co	ot include MTBE (5 (n-hexane) TPH	or other -GRO range		
02159	BTEX, MTBE					
02161	Benzene	71-43-2	870.	2.5	ug/l	5
02161	Toluene	108-88-3	3.8	0.5	ug/l	1
	Ethylbenzene	100-41-4	49.	0.5	ug/l	1
02166	-	1330-20-7	N.D.	10.	ùg/1	1
02171	Total Xylenes	1634-04-4	30.	2.5	ug/l	1
02172	Methyl tert-Butyl Ether Due to the presence of an in			e, the normal		
	reporting limit was not attaconcentration of this compo	ined for total x	ylenes. The pre	sence or	nis	

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	CILO.	Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 16:45 08/21/2007 03:45	Analyst Diane V Do Martha L Seidel	Factor 2 5
02159 02159 01146 01146 02376	BTEX, MTBE BTEX, MTBE GC VOA Water Prep GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 8021B SW-846 5030B SW-846 5030B SW-846 3510C	1 1 1 2	08/21/2007 03:45 08/21/2007 08:09 08/21/2007 03:45 08/21/2007 08:09 08/21/2007 11:00	Martha L Seidel Martha L Seidel Martha L Seidel Martha L Seidel Jessica Agosto	5 1 5 1

Talanahama Chroniala



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Page 2 of 2

5132228 Lancaster Laboratories Sample No.

MW-4-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW - 4

Collected:08/17/2007 09:45

Account Number: 10904

Chevron

Submitted: 08/18/2007 09:45 Reported: 09/07/2007 at 13:56 Discard: 10/08/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CSO04



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Page 1 of 1

5132229 Lancaster Laboratories Sample No.

MW-5-W-070817

Grab

MW - 5

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected:08/17/2007 10:15

Account Number: 10904

Submitted: 08/18/2007 09:45

Chevron

Reported: 09/07/2007 at 13:56

6001 Bollinger Canyon Rd L4310

Discard: 10/08/2007

San Ramon CA 94583

I SE W			As Received	As Received Method		Dilution
CAT	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
No.			66.	50.	ug/l	1
06610	TPH-DRO (Water) w/Si Gel	n.a.	00.			
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no orior to the C6	N.D. t include MTBE ((n-hexane) TPH	50. or other -GRO range	ug/l	1
02159	BTEX, MTBE					
	*.	71-43-2	N.D.	0.5	ug/l	1
02161	Benzene	108-88-3	N.D.	0.5	ug/l	1
02164	Toluene		N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	1.5	ug/1	1
02171 02172	Total Xylenes Methyl tert-Butyl Ether	1330-20-7 1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

		Laboratory	Chro	N1CIE Analysis		Dilution
CAT No. 06610 01729 02159 01146 02376	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters BTEX, MTBE GC VOA Water Prep Extraction - Fuel/TPH (Waters)	Method SW-846 8015B TPH GRO SW-846 8015B mod SW-846 8021B SW-846 5030B SW-846 3510C		Date and Time 08/31/2007 03:54 08/20/2007 21:42 08/20/2007 21:42 08/20/2007 21:42 08/21/2007 11:00	Analyst Diane V Do Martha L Seidel Martha L Seidel Martha L Seidel Jessica Agosto	Factor 1 1 1 1 1



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Page 1 of 1

5132230 Lancaster Laboratories Sample No.

MW-6-W-070817

MW-6

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:08/17/2007 09:35

Account Number: 10904

3 - Damairod

Submitted: 08/18/2007 09:45

Chevron

Reported: 09/07/2007 at 13:56

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 10/08/2007

CS	3006	
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E 5E W		the state of the state of		As Received		
·	•		As Received	Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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 o gasoline constituents elutin start time.	n.a. f TPH-GRO does no g prior to the C6	N.D. ot include MTBE (i (n-hexane) TPH	50. or other -GRO range	ug/l	
02159	BTEX, MTBE					
02161 02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5 2.5	ug/l ug/l ug/l ug/l ug/l	1 1 1

State of California Lab Certification No. 2116

		Laboratory	Chro	Analysis		Dilution
CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 04:16 08/20/2007 23:54	Analyst Diane V Do Martha L Seidel	Factor 1 1
01729 02159 01146 02376	BTEX, MTBE GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1	08/20/2007 23:54 08/20/2007 23:54 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 1

5132231 Lancaster Laboratories Sample No.

MW-7-W-070817 Facility# 206145 Job# 386492 GRD

800 Center Street-Oakland T0600102230 MW-7 Collected:08/17/2007 13:35

Account Number: 10904

Submitted: 08/18/2007 09:45 Reported: 09/07/2007 at 13:56 Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 10/08/2007

С	٤	300	7	
т		512	w	

I 5E W		• •		As Received		Dilution
CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	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 gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the C6	N.D. t include MTBE ((n-hexane) TPH	50. or other -GRO range	ug/l	1
02159	BTEX, MTBE				• .	
02161 -02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	N.D. N.D. N.D. N.D. N.D.	0.5 0.5 0.5 1.5 2.5	ug/1 ug/1 ug/1 ug/1 ug/1	1 1 1 1
02172	Methyl tert-Butyl Ether	7024 04 1				

State of California Lab Certification No. 2116

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T - 1-	 Chroni	\sim	Θ.

06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial#	Analysis Date and Time 08/31/2007 04:40 08/21/2007 00:27	Analyst Diane V Do Martha L Seidel	Factor 1 1
01729 02159 01146 02376	BTEX, MTBE GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 3510C	1	08/21/2007 00:27 08/21/2007 00:27 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132232

MW-8-W-070817 Grab Water Facility# 206145 Job# 386492 800 Center Street-Oakland T0600102230 MW-8

GRD

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

C	S008	
_		

I SE W				As Received		
CAT No.	Analysis Name	CAS Number	As Received Result	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 gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the C6	N.D. t include MTBE ((n-hexane) TPH	50. or other -GRO range	ug/l	1
02159	BTEX, MTBE					
02161 02164 02166	Benzene Toluene Ethylbenzene	71-43-2 108-88-3 100-41-4	N.D. N.D. N.D.	0.5 0.5 0.5	ug/l ug/l ug/l	1 1 1

State of California Lab Certification No. 2116

Laboratory	Chronicle
	CIII OIII CIC

		20202011		Analysis		Dilution
CAT No. Ans	lysis Name	Method	Trial#	Date and Time	Analyst	Factor
	-DRO (Water) w/Si Gel	SW-846 8015B	1	08/31/2007 05:03	Diane V Do	1
	I-GRO - Waters	TPH GRO SW-846 8015B	1	08/21/2007 01:00	Martha L Seidel	
		mod SW-846 8021B	1	08/21/2007 01:00	Martha L Seidel	1
V	X, MTBE	SW-846 5030B	1	08/21/2007 01:00	Martha L Seidel	1
02376 Ext	VOA Water Prep traction - Fuel/TPH aters)	SW-846 3510C	1	08/21/2007 11:00	Jessica Agosto	. 1



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Page 1 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1052180

Reported: 09/07/07 at 01:56 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank MDL	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max	
Batch number: 07231A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	Sample n N.D. N.D. N.D. N.D. N.D.	number(s): 50. 0.5 0.5 0.5 1.5 2.5	5132224-51 ug/l ug/l ug/l ug/l ug/l ug/l	32232 114 99 99 99 100 84	123 101 97 97 97 91	75-135 86-119 82-119 81-119 82-120 82-124	7 2 2 2 3 8	30 30 30 30 30 30	
Batch number: 072320019A TPH-DRO (Water) w/Si Gel	Sample n	number(s): 29.	5132225÷53 ug/l	132232 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 <u>Limits</u>	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07231A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	Sample 137 104 110 106 108 83		: 5132224 63-154 78-131 78-129 75-133 84-131 70-134	-513223	2 UNSPI	(: P132189,	P132190		

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

Batth huma	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.



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Page 2 of 2

Quality Control Summary

Group Number: 1052180 Client Name: Chevron) Reported: 09/07/07 at 01:56 PM Surrogate Quality Control 117 5132231 118 120 116 5132232 115 Blank 116 116 117 115 LCSD 116 120 MS 69-129 Limits: 63-135 Analysis Name: TPH-DRO (Water) w/Si Gel Batch number: 072320019A Orthoterphenyl 112 153* 5132225 5132226 5132227 129 5132228 338* 5132229 5132230 108 107 5132231 103 108 127 5132232 Blank_. LCS LCSD 135*

*- Outside of specification

59-131

Limits:

(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. TNTC IU umhos/cm C Cal meq g ug ml	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s)	BMQL MPN CP Units NTU F Ib. kg mg I ul	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s) fibers greater than 5 microns in length per ml
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per mi

- 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.

Inorganic Qualifiers

- 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	
•		

	3. 9		
A B C D E J N P	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument Estimated value Presumptive evidence of a compound (TICs only) Concentration difference between primary and confirmation columns >25% Compound was not detected Defined in case narrative	BEMNS UW*+	Value is <crdl, (msa)="" <0.995<="" additions="" amount="" analysis="" but="" calculation="" coefficient="" compound="" control="" correlation="" detected="" digestion="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" msa="" not="" of="" out="" post="" precision="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
X,Y,Z	Delitied in case namenvo		

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 California Region Analysis Request/Chain of Custody 081707-02 p262 - Acct #10904 For Lancaster Laboratories use only Sample # 513933-41 Lancaster Group # 002698 C# 1052181 **Analyses Requested** Preservation Codes Facility #: SS#206145-OML G-R#386492 **Preservative Codes** Matrix HH Site Address 800 CENTER STREET, OAKLAND, CA H = HCI T = Thiosulfate B = NaOH $N = HNO_3$ _Lead Consultant CRACE $S = H_2SO_4$ O = Other Chevron PM:SS Silica Gel 1 G-R. Inc., 6747 Sierra Court, Suite J. Dublin, Ca. 94568 ☐ J value reporting needed 8027 Consultant/Office: Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com) ☐ Must meet lowest detection limits possible for 8260 compounds TPH 8015 MOD DRO Fax #:925-551-7899 8021 MTBE Confirmation Consultant Phone #925-551-7555 ☐ Confirm highest hit by 8260 Sampler: Confirm all hits by 8260 Total Lead Run ____ oxy's on highest hit Grab Date Time Soll Run ____ oxy's on all hits Sample Identification Collected Collected Mh-9 Comments / Remarks แอง mw-10 No EDD/EDF 240 mw-11 × X X mW-17 mW-13 310 1240 × lozo MW-15 1100 mw-16 0915 MW-17 Time Time 1020 Date Refinguished by Date Turnatound Time Requested (TAT) (please circle) 814/11/620 8:177 STO. JAR 72 hour 48 hour Time Received by: Relinquis Red b Time Date 24 hour 4 day 5 day

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Other.

0-7-5-0

Relinquished by Commercial Carrier:

FedEx

Temperature Upon Receipt

Data Package Options (please circle if required)

QC Summary

WIP (RWQCB)

Disk

Type VI (Raw Data)

Type I - Full

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Date

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Received by:

HWUM

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Date

Date

Time

Time

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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





SAMPLE GROUP

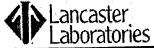
The sample group for this submittal is 1052181. Samples arrived at the laboratory on Saturday, August 18, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			<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



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

Respectfully Submitted,

Martha h Scidel
Martha L. Scidel
Senior Chemist



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5132233

MW-9-W-070817

ab Wat

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

02230 MW-9

Collected: 08/17/2007 11:00

by AC

Submitted: 08/18/2007 09:45 Reported: 09/04/2007 at 15:16

Discard: 10/05/2007

Account Number: 10904

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CSO09

I SE W				As Received		' •
CAT No.	Analysis Name	CAS Number	As Received Result	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 gasoline constituents eluting start time.	ug/l	1			
05879	BTEX					
02161 02164 02166 02171	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	и.D. и.D. и.D. и.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1

State of California Lab Certification No. 2116

	Laboratory Chronicle						
CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 05:26 08/21/2007 01:33	Analyst Diane V Do Martha L Seidel	Factor 1 1	
01729 05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH	mod SW-846 8021B SW-846 5030B SW-846 3510C		08/21/2007 01:33 08/21/2007 01:33 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1	



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Page 1 of 1

5132234 Lancaster Laboratories Sample No.

MW-10-W-070817

Water

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230 MW-10

Collected:08/17/2007 11:35

by AC

Account Number: 10904

Chevron

GRD

Submitted: 08/18/2007 09:45 Reported: 09/04/2007 at 15:16

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 10/05/2007

C	201	LU
T	512	w

I 5E w				As Received		
			As Received	Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	53.	50.	ug/l	1
01729	TPH-GRO - Waters	* .				
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. TPH-GRO does no orior to the C6	N.D. t include MTBE ((n-hexane) TPH	50. or other -GRO range	ug/l	1
05879	BTEX					
02161 02164	Benzene Toluene	71-43-2 108-88-3	N.D. N.D.	0.5	ug/l ug/l ug/l	1 1
02166 02171	Ethylbenzene Total Xylenes	100-41-4 1330-20-7	N.D. N.D.	0.5 1.5	ug/l	1

State of California Lab Certification No. 2116

Extraction - Fuel/TPH

(Waters)

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

SW-846 3510C

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 05:48 08/21/2007 02:06	Analyst Diane V Do Martha L Seidel	Factor 1 1
05879 01146	BTEX GC VOA Water Prep	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/21/2007 02:06 08/21/2007 02:06 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 1

5132235 Lancaster Laboratories Sample No.

MW-11-W-070817

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 SE w

T DE M				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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 gasoline constituents eluting gatart time.	n.a. TPH-GRO does not prior to the C6	N.D. include MTBE o (n-hexane) TPH-	50. or other GRO range	ug/l	1
05879	BTEX					
	D	71-43-2	N.D.	0.5	ug/l	1
02161	Benzene	108-88-3	N.D.	0.5	ug/l	1
02164	Toluene	100-41-4	N.D.	0.5	ug/l	1
02166 02171	Ethylbenzene 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	CHIO.	Analysis		Dilution
CAT No. Analysis Name	Method SW-846 8015B	Trial#	Date and Time 08/31/2007 06:11	Analyst Diane V Do	Factor
06610 TPH-DRO (Water) w/Si Gel 01729 TPH-GRO - Waters	TPH GRO SW-846 8015B	1,	08/21/2007 02:39	Martha L Seidel	1
05879 BTEX 01146 GC VOA Water Prep 02376 Extraction - Fuel/TPH (Waters)	SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/21/2007 02:39 08/21/2007 02:39 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1

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Page 1 of 1

5132236 Lancaster Laboratories Sample No.

MW-12-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-12

Collected:08/17/2007 11:45

Account Number: 10904

Submitted: 08/18/2007 09:45

Chevron

Reported: 09/04/2007 at 15:16 Discard: 10/05/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CS012 I SE W

T DE W				As Received		
CAT			As Received Result	Method Detection	Units	Dilution Factor
No.	Analysis Name	CAS Number	Kesuic	Limit		
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 gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the Co	N.D. of include MTBE (of (n-hexane) TPH	50. or other -GRO range	ug/l	1
05879	BTEX			•		
	_	71-43-2	N.D.	0.5	ug/l	1 .
02161	Benzene	108-88-3	N.D.	0.5	ug/l	1
02164	Toluene			0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	1.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.7	~5/ ~	

State of California Lab Certification No. 2116

Laboratory	Chronicle
Laborarory	THEOHEGE .

		Edzordan		Analysis		Dilution
CAT No. 06610	Analysis Name TPH-DRO (Water) w/Si Gel	Method SW-846 8015B	Trial#	Date and Time 08/31/2007 06:33 08/21/2007 03:12	Analyst Diane V Do Martha L Seidel	Factor 1 1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod SW-846 8021B	1	08/21/2007 03:12	Martha L Seidel	1
05879 01146	GC VOA Water Prep	SW-846 5030B SW-846 3510C	1	08/21/2007 03:12 08/21/2007 11:00	Martha L Seidel Jessica Agosto	1 1
02376	Extraction - Fuel/TPH (Waters)	DW 040 33236				



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Page 1 of 1

5132237 Lancaster Laboratories Sample No.

MW-13-W-070817

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 Collected:08/17/2007 13:10

MW-13

Submitted: 08/18/2007 09:45

Chevron 6001 Bollinger Canyon Rd L4310

Reported: 09/04/2007 at 15:16

San Ramon CA 94583

As Received

Account Number: 10904

Discard: 10/05/2007

-1	201	LO	
ľ	5B	w	

			As Received		
		As Received	Method		Dilution
Analysis Name	CAS Number	Result	Detection Limit		Factor
TPH-DRO (Water) w/Si Gel	n.a.	N.D.	50.	ug/l	1
TPH-GRO - Waters					
TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	N.D. t include MTBE ((n-hexane) TPH-	50. or other -GRO range	ug/l	
BTEX					•
Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
	TPH-DRO (Water) w/Si Gel TPH-GRO - Waters TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time. BTEX Benzene Toluene Ethylbenzene	TPH-DRO (Water) w/Si Gel n.a. TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does no gasoline constituents eluting prior to the C6 start time. BTEX Benzene 71-43-2 Toluene 108-88-3 Ethylbenzene 100-41-4	Analysis Name CAS Number Result TPH-DRO (Water) w/Si Gel n.a. N.D. TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or gasoline constituents eluting prior to the C6 (n-hexane) TPH start time. BTEX Benzene 71-43-2 N.D. Toluene 108-88-3 N.D. TOLUENE Ethylbenzene	Analysis Name CAS Number Result Detection Limit TPH-DRO (Water) w/Si Gel n.a. N.D. TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 start time. BTEX Benzene 71-43-2 N.D. 0.5 Toluene 108-88-3 N.D. 0.5 Ethylbenzene N.D. 0.5	Analysis Name CAS Number Result Detection Limit 50. ug/l TPH-DRO (Water) w/Si Gel n.a. N.D. TPH-GRO - Waters TPH-GRO - Waters TPH-GRO - Waters n.a. N.D. So. ug/l 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. BTEX Benzene 71-43-2 N.D. 0.5 ug/l Toluene 108-88-3 N.D. 0.5 ug/l Ethylbenzene N.D. 0.5 ug/l

State of California Lab Certification No. 2116

	1 7 _
Laboratory	Chronicle
Laboratory	CITTOTITE

		Laboratory	Chro	MICIE Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 06:57 08/21/2007 23:12	Analyst Diane V Do Martha L Seidel	Factor 1 1
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH (Waters)	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/21/2007 23:12 08/21/2007 23:12 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 1

5132238 Lancaster Laboratories Sample No.

MW-14-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-14

Collected:08/17/2007 12:40

Account Number: 10904

An Bonnirod

Submitted: 08/18/2007 09:45

Chevron

6001 Bollinger Canyon Rd L4310

Reported: 09/04/2007 at 15:16 Discard: 10/05/2007

San Ramon CÃ 94583

CS014 I 5E w

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	780.	50.	ug/l	1 .
01729	TPH-GRO - Waters	* .				
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	2,600. t include MTBE ((n-hexane) TPH-	50. or other -GRO range	ug/l	1
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

Laboratory	Chronicle
Habbtatory	CITTOTITOTO

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
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



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Page 1 of 1

5132239 Lancaster Laboratories Sample No.

MW-15-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

Collected:08/17/2007 10:50

Account Number: 10904

Submitted: 08/18/2007 09:45

Chevron

Reported: 09/04/2007 at 15:16

6001 Bollinger Canyon Rd L4310

Discard: 10/05/2007

San Ramon CA 94583

CSO15 I 5E w

I PE W				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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 Tigasoline constituents eluting prostart time.	n.a. PH-GRO does not rior to the C6	N.D. include MTBE of (n-hexane) TPH-0	50. r other GRO range	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

		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
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



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Page 1 of 1

5132240 Lancaster Laboratories Sample No.

MW-16-W-070817

Grab

Facility# 206145 Job# 386492

MW-16

GRD

800 Center Street-Oakland T0600102230

Collected:08/17/2007 11:00

Submitted: 08/18/2007 09:45

Reported: 09/04/2007 at 15:16 Discard: 10/05/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Account Number: 10904

CS016

Analysis Name		As Received	Method		Dilution
Analysis Name			*********		Dilucion
	CAS Number	Result	Detection Limit	Units	Factor
TPH-DRO (Water) w/Si Gel	n.a.	640.	50.	ug/l	1
TPH-GRO - Waters					
TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does not prior to the C6	8,200. include MTBE c (n-hexane) TPH-	500 or other GRO range	ug/l	10
BTEX			•		
Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	110. 1,400. 280. 730.	5.0 5.0 5.0 15.	ug/l ug/l ug/l ug/l	10 10 10 10
	TPH-GRO - Waters TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time. BTEX Benzene Toluene	TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does not gasoline constituents eluting prior to the C6 start time. BTEX Benzene 71-43-2 Toluene 108-88-3 Ethylbenzene 100-41-4	TPH-GRO - Waters TPH-GRO - Waters TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE of gasoline constituents eluting prior to the C6 (n-hexane) TPH-start time. BTEX Benzene Toluene Toluene Ethylbenzene TOLUENE TOLUENE	TPH-DRO (Water) W/Si Gel II.a. Str. TPH-GRO - Waters TPH-GRO - Waters II.a. 8,200. 500. 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. BTEX Benzene 71-43-2 110. 5.0 Toluene 108-88-3 1,400. 5.0 Ethylbenzene 100-41-4 280. 5.0	TPH-DRO (Water) W/Si Gel II.a. 540. TPH-GRO - Waters TPH-GRO - Waters II.a. 8,200. 500. ug/l 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. BTEX Benzene 71-43-2 110. 5.0 ug/l Toluene 108-88-3 1,400. 5.0 ug/l Ethylbenzene 100-41-4 280. 5.0 ug/l

State of California Lab Certification No. 2116

		Laboratory	CIII O.	Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 08:05 08/22/2007 07:59	Analyst Diane V Do Martha L Seidel	Factor 1 10
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/22/2007 07:59 08/22/2007 07:59 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	10 10 1



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Page 1 of 1

5132241 Lancaster Laboratories Sample No.

MW-17-W-070817

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-17

Collected:08/17/2007 09:15

Account Number: 10904

Submitted: 08/18/2007 09:45

Reported: 09/04/2007 at 15:16

6001 Bollinger Canyon Rd L4310

(Waters)

San Ramon CA 94583

3 - D---d---d

Discard: 10/05/2007

C٤	3():	17	
r	5	r	7.7	

T PE M				As Received		
CAT	Analysis Name	CAS Number	As Received Result	Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	240.	50.	ug/l	1
01729	TPH-GRO - Waters					•
01730	TPH-GRO - Waters The reported concentration of gasoline constituents eluting start time.	n.a. TPH-GRO does no prior to the Co	380. ot include MTBE (5 (n-hexane) TPH	50. or other -GRO range	ug/l	1
05879	BTEX					
02161 02164 02166	Benzene Toluene Ethylbenzene Total Xylenes	71-43-2 108-88-3 100-41-4 1330-20-7	6.7 2.3 0.5 15.	0.5 0.5 0.5 1.5	ug/l ug/l ug/l ug/l	1 1 1
02171	Incar varence	the state of the s				

State of California Lab Certification No. 2116

		Laboratory	Chro	N1CLE Analysis		Dilution
CAT No. 06610 01729	Analysis Name TPH-DRO (Water) w/Si Gel TPH-GRO - Waters	Method SW-846 8015B TPH GRO SW-846 8015B	Trial# 1 1	Date and Time 08/31/2007 08:27 08/22/2007 00:50	Analyst Diane V Do Martha L Seidel	Factor 1
05879 01146 02376	BTEX GC VOA Water Prep Extraction - Fuel/TPH	mod SW-846 8021B SW-846 5030B SW-846 3510C	1 1 1	08/22/2007 00:50 08/22/2007 00:50 08/21/2007 11:00	Martha L Seidel Martha L Seidel Jessica Agosto	1 1 1



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Page 1 of 2

Dup RPD Max

Quality Control Summary

Client Name: Chevron

Group Number: 1052181

Reported: 09/04/07 at 03:16 PM

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

Laboratory Compliance Quality Control

Analysis	Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch nu	mber: 07231A51B - Waters zene	N.D. N.D. N.D. N.D. N.D.	50. 0.5 0.5 0.5 1.5	5132233-5 ug/l ug/l ug/l ug/l ug/l	99 99 99 100	123 101 97 97 97	75-135 86-119 82-119 81-119 82-120	7 2 2 2 2 3	30 30 30 30 30
Batch nu	umber: 072320019A (Water) w/Si Gel	Sample n	umber(s): 29.	5132233-5 ug/l	132241 106	109	63-119	2	20
Batch ni	umber: 07233A51A - Waters	Sample n N.D. N.D. N.D. N.D. N.D.	number(s): 50. 0.5 0.5 1.5	5132237-5 ug/l ug/l ug/l ug/l ug/l	132241 107 96 96 97 97	113 101 97 98 99	75-135 86-119 82-119 81-119 82-120	6 5 1 1 2	30 30 30 30 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

Background (BKG) = the sample a	MS	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP <u>RPD</u>
Analysis Name Batch number: 07231A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene	%REC Sample 137 104 110 106 108					K: P132189,	P132190	
Total Xylenes Batch number: 07233A51A TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes		number(s)	5132237 63-154 78-131 78-129 75-133 84-131	7-51322·	41 UNSF	K: P132245,	P132246	

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.



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Page 2 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1052181

Reported: 09/04/07 at 03:16 PM

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters Batch number: 07231A51B

Baccii iidiii	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		
5132233	108		
5132235	103		
5132236	107		
5132237	104		
5132238	70		
5132239	99		
5132240	111	·	
5132241	131		
Blank	108		
LCS	127		
LCSD	135*		
Timits:	59-131		

Limits: 59-131

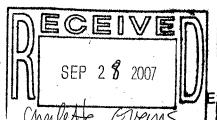
Analysis	Name:	TPH-GRO -	Waters
		07233A51A	

Batch numb	oer: 07233A51A Trifluorotoluene-F	Trifluorotoluene-P	
5132237	117	116 122	
5132238 5132239	136* 118	113	
5132240 5132241	119 123	115 116	
Blank	118 119	115 116	
LCS LCSD	119	115	
MS	117	114	
Limits:	63-135	69-129	

*- Outside of specification

(2) The unspiked result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.



umh

Lancaster Laboratories Explanation of Symbols and Abbreviations

and abbreviations used in reporting technical data:

N.D. TNTC IU nos/cm C Cal meq g ug ug ml	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s) cubic meter(s)	BMQL MPN CP Units NTU F Ib. kg mg I ul	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s) fibers greater than 5 microns in length per	
ml m3	milliliter(s) cubic meter(s)		fibers greater than 5 microns in length pe	

- 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
- 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 ppm 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.
- parts per billion ppb
- 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. Dry weight basis

U.S. EPA data qualifiers:

В

D

Ε

Organic Qualifiers

Analyte was also detected in the blank

Pesticide result confirmed by GC/MS

TIC is a possible aldol-condensation product

Compound quatitated on a diluted sample

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

Correlation coefficient for MSA < 0.995

Inorganic Qualifiers

Estimated value Presumptive evidence of a compound (TICs only)

Concentration exceeds the calibration range of

- Concentration difference between primary and confirmation columns >25%
- Compound was not detected
- Defined in case narrative X,Y,Z

the instrument

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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ATTACHMENT G
Boring Logs



11/29/1995 tithlog-jan93

rolect Signal S0800				_ Owl	ner <u>CHV/USA</u>	For Boring Location
anation 800 Center	St.	F	Project	No.	020200105 Date drilled 10717795	
Surface Elev. <u>16.2 ft.</u>	Tot	al Hole D	epth <u>16</u>	3.5 ft.	Diameter <u>8.25 in.</u>	COMMENTS:
rop of Casing <u>15.69 i</u>	<u>(t. </u> Wat	er Level	Initial 1	U It.	Static 10.54 ft.	
Screen: Dia <u>2 in.</u> Casing: Dia <u>2 in.</u>	Len	igth <u>10 10</u>	:		Type/Size PVC/0.020 in.	
Casing: Dia <u>2 m. </u>	Len	igth <u>3 / L</u>		Die	/Core Type CME 75/Splitspoon	
Filter Pack Material 🕭	Aroa E	volor	Makh	- nić	ollow Stem Auger Permit # 65664	
Orilling Company <u>Bay</u> Oriller <u>Scott Fitche</u>	AI CO LI	pior.	. Metin	יי טע	g By <i>Terry James</i>	
Checked By <u>E K Sim</u>	onis		Licen	se N	0. R.G. 4422	. \
	11		Licen	. 11		
Depth (ft.) Well Completion	_	Sample ID Blow Count/ x Recovery	ပ္	ass	Descript	tion
Depth (ft.)	PID (ppm)	Sog	Graphic Log	Cla	(Color, Texture,	Structure)
	# F	25 2 2 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Gra	SCS	Trace < 10%, Little 10% to 20%, Some	e 20% to 35%, And 35% to 50%
ŏ		ω <u>m</u> ×		5		
2 -						
	l	· ·	1	}\ \		
	l					
			1111111		Vacant lot	1
		!	11111			· ·
2 17 17		<u> </u>				Į.
		1				1
						·
4 4						·
		9		SM	II CIGABA' 211(A' AGLA IIIIG DALAD (1019)	0,60):, red-yellow, dry, medium
	393	i to		11	dense, moderate hydrocarbon odo	r.
├ 6 ┤ ड		NW1/5 16	፟	11		
-		N .				
L 8 → 1 = 1 : 1		}	11.11	.		
		1	1111	·[]	Fine SAND: light brown, moist, loos	e, strong hydrocarbon odor.
		ii.	ببلا		₹ Groundwater encountered during of	
<u> </u>		3		$\cdot \parallel$	Static water level after 24 hours	Si ming
-	252	12 H91/10 17		∵. sı	A Static water level after 24 hours	
- 12 -						
		ii .		. : :		
1 1 1			رنز. ا			
- 14 -	\\	1				•
	.))	- ∥ :	3 H	// s	Silty, clayey, very fine SAND (10,	,30,60):, green-gray, wet, loose,
	522		3 		strong hydrocarbon odor.	
- 16 - 	4	HH1/15	5 4/2	: <u>/</u> }-	End of boring.	
├ - ╣ '	l l	1	1	1		
- 18 -		N .))	(All percentages are approximat	e.)
	1	1	N N		\	
	1	\ <u>\</u>				
- 20 -		.			N.	
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- 22 -	1					
[44]					·	
}		1	ļļ			
- 24 -		1	1	I		
						Page: 1 of

Class II aggregate base.	Gettler-Ryan, Inc.								Log of Boring MW-1A			
ATE STARTED: 01/29/03 NIL (ft. bgs): 12.5 DATE: 01/29/03 TIME: 11/10 ATE FINISHED: 01/29/03 NIL (ft. bgs): 12.5 DATE: TIME: T	ROJE	ECT:	Former (Chevi	on :	Serv	ice S	tation No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
ATE FINISHED: 01/29/03 ML (fit. bgs): DATE: TIME: RILLING METHOD: 8 in. Hollow Stem Auger TOTAL DEPTH: 16.5 feet RILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith GEOLOGIST: Andrew Smith GEOLOGIC DESCRIPTION Class II aggregate base. Class II aggregate base. SP-SM POORLY GRADED SAND WITH SILT (SP-SM) - greenish gray (SS 4/1), wet, medium dense; 60% fine to medium sond, 10% of the medium sond, 10% of t	R PF	ROJEC.	NO.:	DG26	3145	I.4C	Ţ1		CASING ELEVATION:			
RILLING METHOD: 8 in. Hollow Stem Auger RILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith MELL CIAGRAM M	DATE	STAR	TED: 0	1/29/	/03				WL (ft. bgs): 12.5 DATE: 01/29/03 TIME: 11:10			
RILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith MELL DIAGRAM GEOLOGIC DESCRIPTION GEOLOGIC DESCRIP	ATE	FINIS	SHED: (01/29	/03				WL (ft. bgs); DATE; TIME;			
HILLING COMPANY: Grego Drilling GEOLOGIC DESCRIPTION MELL DIAGRAM MEL	RILI	ING M	ETHOD:	8 ir	n. Но	ollow	Sten	n Auger				
Class II aggregate base.	RILL	_ING Ç		: Gi	regg	Dril	ling		GEOLOGIST: Andrew Smith			
Class II aggregate base. Class II aggregate base. The state of th	(feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	0 100	SUIL ULASS	G E0		М		
8- 12- 15- 119 MW-IA (16) Round of porting at 16.5 feet bgs.	-			1-1				Class II aggregate ba	ase.	1		
12-	3-								minin schedule 40 PVC	bentonite		
15— 119 MW-1A (16) POORLY GRADED SAND WITH SILT (SP-SM) - greenish gray (56Y 4/1), wet, medium dense; 90% fine to medium sand, 10% silt. Bottom of boring at 16.5 feet bgs.	6-		-	-		-				**		
15— 119 MW-1A (16) POORLY GRADED SAND WITH SILT (SP-SM) - greenish gray (56Y 4/1), wet, medium dense; 90% fine to medium sand, 10% silt. Bottom of boring at 16.5 feet bgs.	9-								O inch/	, p		
SP-SM POORLY GRADED SAND WITH SILT (SP-SM) - greenish gray (56Y 4/1), wet, medium dense; 90% fine to medium sand, 10% silt. Bottom of boring at 16.5 feet bgs.		-			-				PVC (0.0)	nestar sar		
15— 119 MW-1A (16) Bottom of boring at 16.5 feet bgs.	12-				-			Ā				
119 MW-1A (16) Bottom of boring at 16.5 feet bgs.						=	P-SM	POORLY GRADED SA (5GY 4/1), wet, med silt.				
	10.		MW-1A	(16)								
18-		+			+	1		Bottom of boring a	t lota teet pgs.			
	18			-								

JOB NUMBER: DG261451.4CT1



11/29/1995 tithlog-lan93

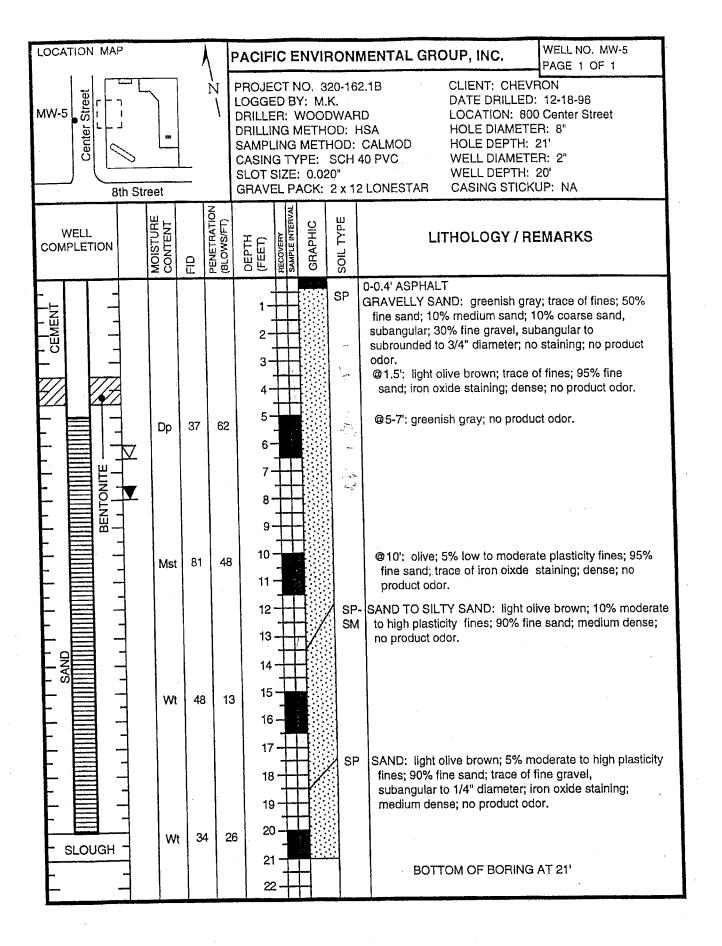
I I ECHNOLOGY		
Star - 1 C00000	CHV/USA	See Site Map
rolect <u>Signal S0800</u> Ow. ocation <u>800 Center St.</u> Project No.	020200105 Date drilled 10/17/95	For Boring Location
Surface Elev. <u>16.3 ft.</u> Total Hole Depth <u>16.5 ft</u>	t. Diameter 8.25 in.	COMMENTS:
Fop of Casing 15.77 ft. Water Level Initial 10 ft.	Static 10.60 ft.	COMPLETE IS.
Screen: Dia <u>2 in.</u> Length <u>10 ft.</u>	Type/Size PVC/0.020 in.	
Casing: Dia <u>2 in.</u> Length 10 71. Length 5 ft,	Type PVC	Ì
Tiller Dook Material #3 Monterey Sand Rig	a/Care Type <u>CME /5/Splitspoon</u>	
Orilling Company <u>Bay Area Explor.</u> Method H	Hollow Stem Auger Permit # 65664	
Driller Scott Fitche Lo	og By Terry James	
Checked By <u>E K Simonis</u> License N	lo. <i>R.G. 4422</i>	
Depth (ft.) Well ompletion (ppm) PID (ppm) Comple IC (ppm) Comple IC (ppm) Scovery	Descript	ion
Depth (ft.) Well smpletlic (ppm) (p	(Color, Texture,	Structure)
Depth (ft.) Well Completion (ppm) Sample ID Blow Count/ X Recovery Craphic Log USCS Class.	Trace < 10%, Little 10% to 20%, Some	e 20% to 35%, And 35% to 50%
J 7 W 1 5		
2- 		
	This Appholi	ŀ
	Thin Asphalt	Ì
		į
1-2-121 [2]		
		ļ
	Clayey, silty, very fine SAND (10,20	7701: red-vellow, damp, medium
	dense, no hydrocarbon odor.	5,70). Ted yellow, damp, median
- 6 - 1 1 4 NH2/5 12 1 1 1 1 1 1	delise, no my di deli di	
	4 ∥	ļ
	1	
	Grades fine sand, reddish-brown,	wet.
	Groundwater encountered during of	drilling
	Static water level after 24 hours	-
- HI = 1 MM2/10 25	Statio note: 1870, arts. E : 110010	
L 14 - 1 1 ■ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	sc Silty, clayey, very fine SAND (10,	30,60): saturated, soft, no
3 6	hydrocarbon odor.	
- 16 - MH2/15 10 MH2/15		
	End of boring.	
	(All percentages are approximat	e.)
- 18 -	(All percentages are approximat	
- 20 -		
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- 22 -		
	1	
-24-		
		Page: I of
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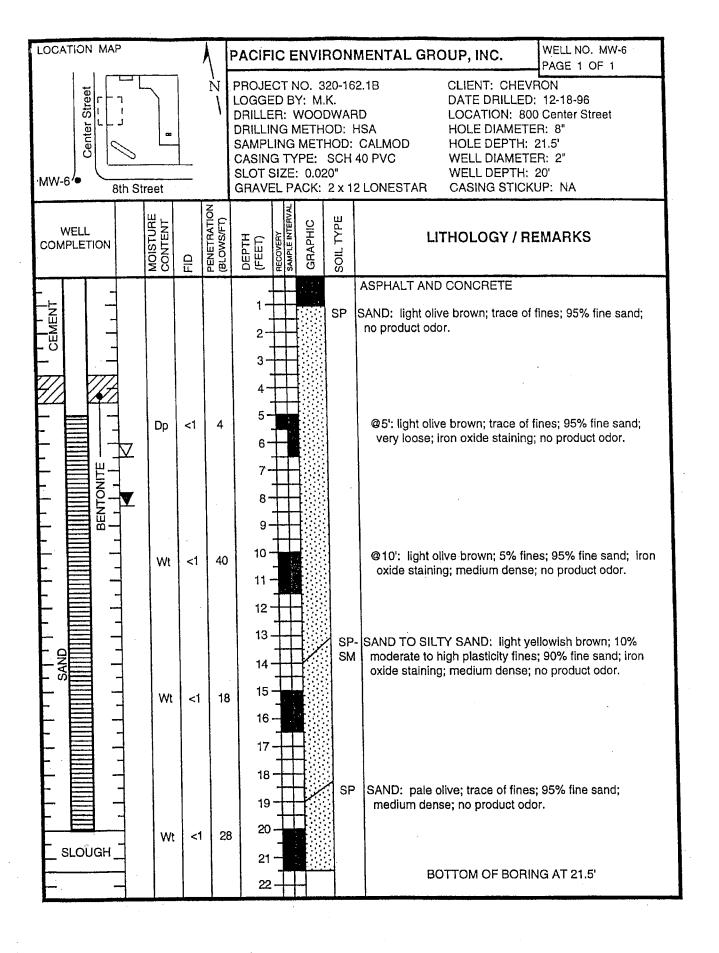


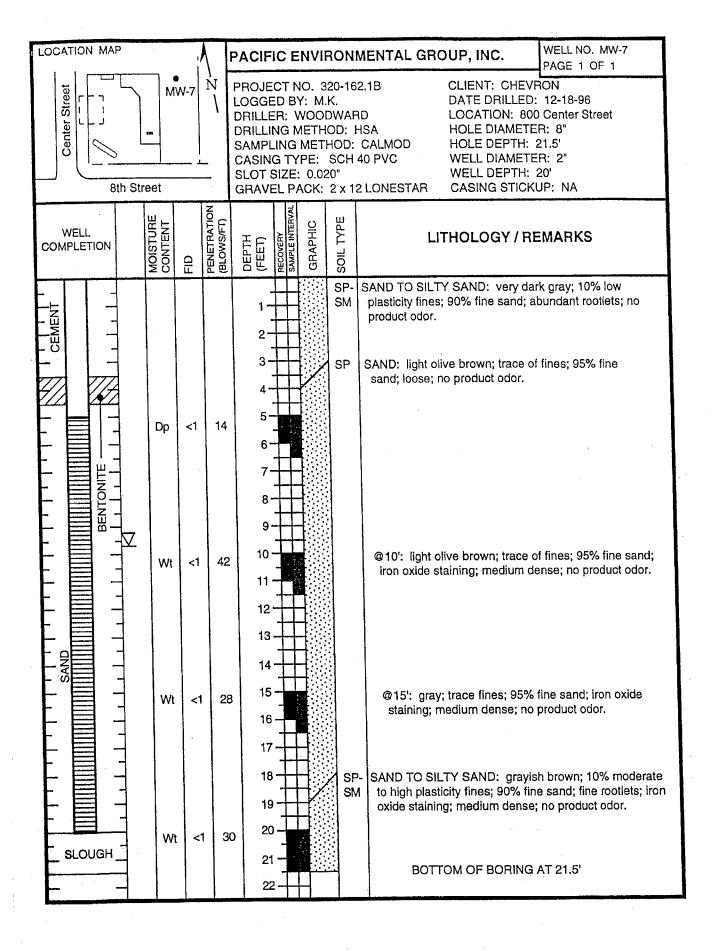
ocation <u>800 Center St.</u> Surface Elev. <u>16.1 ft.</u> To Top of Casing <u>15.46 ft.</u> Wascreen: Dia <u>2 in.</u> Le Casing: Dia <u>2 in.</u> Le Filter Pack Material <u>#3 Monto Drilling Company Bay Area Education of Caster Fitche</u> Checked By <u>E K Simonis</u>	Project tal Hole Depth <u>IC</u> ter Level Initial <u>I</u> ngth <u>IO ft.</u> ngth <u>5 ft.</u> erey Sand Explor. Metho	No. 6.5 ft. 10 ft. Ricod Long Long No. 10 ft. Ricod No. 10 ft. Ricod Long No. 10 ft. Ric	Static 10.37 ft. Type/Size PVC/0.020 in. Type PVC g/Core Type CME 75/Splitspoon follow Stem Auger Permit # 65664 Dig By Terry James	See Site Map For Boring Location COMMENTS:
Depth (ft.) Weil Completion PID (ppm)	Sample ID Blow Count, & Recovery Graphic Log	uscs Class.	Descrip (Color, Texture, Trace < 10%, Little 10% to 20%, Som	
2 2	7 9 15 16 MW3/10 17 MW3/15 8 MW3/15 8		hydrocarbon odor, trace root sten Fine SAND: green-gray, wet, loos Groundwater encountered during	e, strong hydrocarbon odor. drilling ,20,70): mottled orange-brown/ ght hydrocarbon odor

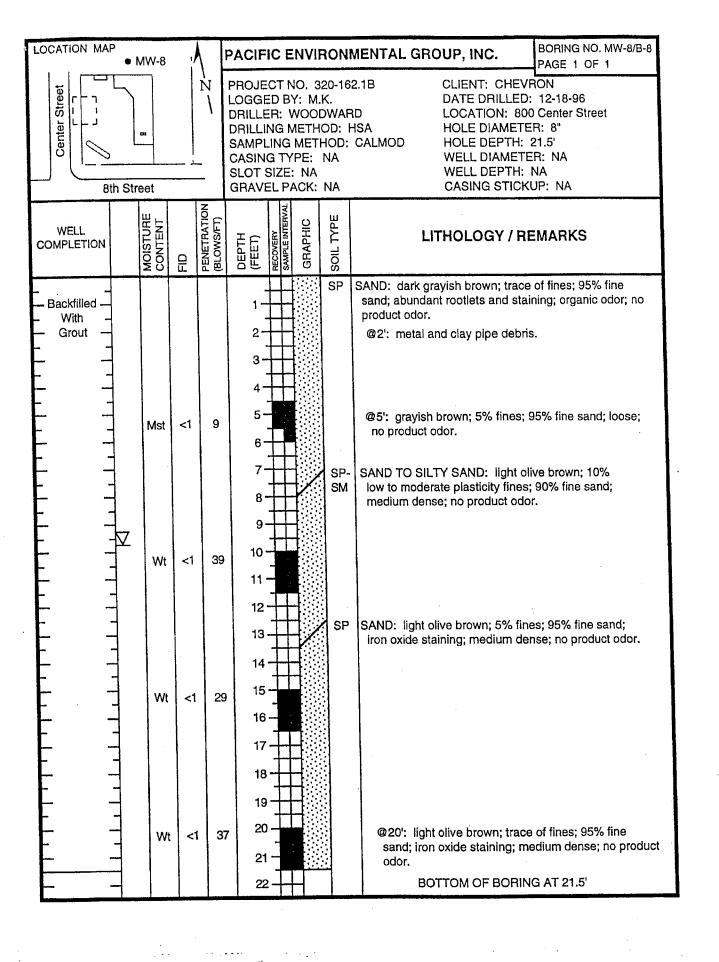


Surface Elev. <u>14.84</u> Fop of Casing <u>14.43</u> Screen: Dia <u>2 in.</u> Casing: Dia <u>2 in.</u> Filter Pack Material Orilling Company <u>Ba</u> Driller <u>Scott Fitche</u> Checked By <u>E K Si</u>	er St. ft. Tot ft. Wal Ler Ler #3 Monte ay Area E.	Proceed Hole Depositer Level In agth 10 ft. agth 5 ft. agrey Sand explor.	oject Noth 16.5 litial 10 Method	Rig. Log	/Core Type <u>CME 55/Splitspoon</u> blow Stem Auger Permit # 65664 By Terry James	See Site Map For Boring Location COMMENTS:
Depth (ft.) Well Completion	PID (maa)	Sample ID Blow Count/ X Recovery	ልያ∥፣	∥ د	(Color, Texture, Trace < 10%, Little 10% to 20%, Some	Structure)
- 2 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 16 -	10	4		SM	Clayey, silty, very fine SAND (10,2	oose Irilling
- 18 - - 20 -					(All percentages are approximate	e.)
- 22 - - 24 -						•









PAGE 1 OF 2



Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME MW-9 09-Apr-07 JOB/SITE NAME 20-6145 **DRILLING STARTED** DRILLING COMPLETED 09-Apr-07 LOCATION 800 Center Street, Oakland CA WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **GROUND SURFACE ELEVATION DRILLER** Gregg Drilling **DRILLING METHOD** Hollow-stem auger TOP OF CASING ELEVATION Not Surveyed 35 to 40 fbg **BORING DIAMETER** 8" **SCREENED INTERVALS** 13.0 fbg (09-Apr-07) **LOGGED BY** I. Hull DEPTH TO WATER (First Encountered)_ B. Foss, RG# 7445 REVIEWED BY **DEPTH TO WATER (Static)** 8.03 fbg (20-Apr-07)

REMARKS Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE ID PID (ppm) GRAPHIC LOG BLOW COUNTS EXTENT DEPTH (fbg) U.S.C.S. LITHOLOGIC DESCRIPTION WELL DIAGRAM <u>FILL</u> ▼ 8.0 SAND with Silt Red-brown; loose; 90% fine-grained, poorly graded sand; 10% silt; moist; non-plastic; moderate estimated permeability. WELL LOG (PID) INCHEVRON/206145~1/2007IN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07 SM 13.5 14.0 6 SP Silty SAND with Gravel Brown-grey; loose; 70% fine-grained, poorly graded sand; 20% silt; 10% gravel; MW-9-\$-14.5 27 \moist; low plasticity; moderate estimated permeability. SAND with Silt Red-brown; loose; 90% fine-grained, Portland Type poorly graded sand; 10% silt; moist; non-plastic; moderate 1/11 estimated permeability. At 14.5 fbg a 6" layer of mottled grey 13 15 15 MW-9-S-19.5 4 SP 30 MW-9-S-24.5 25 30 54 30.0 MW-9-

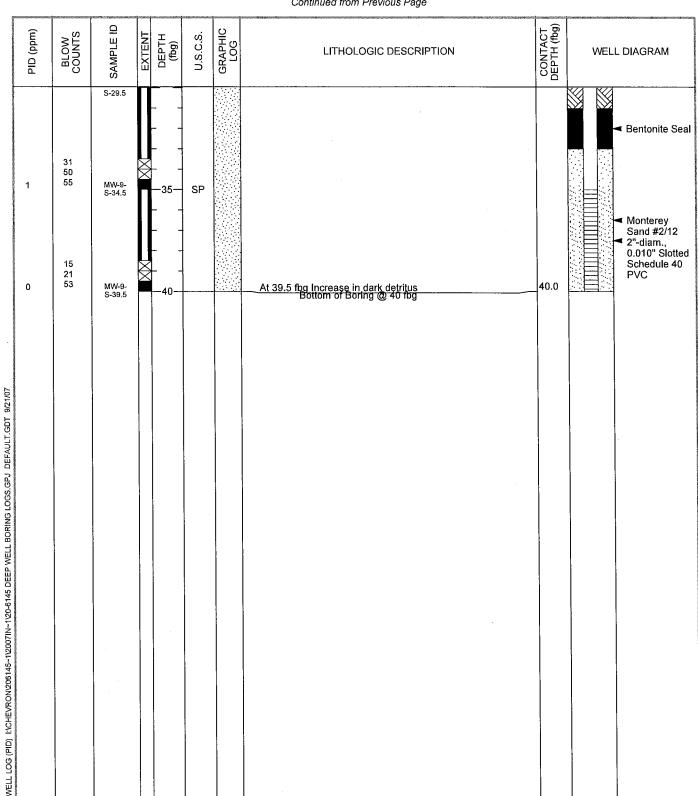


Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company **BORING/WELL NAME** MW-9 **DRILLING STARTED** 09-Apr-07 20-6145 09-Apr-07 800 Center Street, Oakland CA DRILLING COMPLETED

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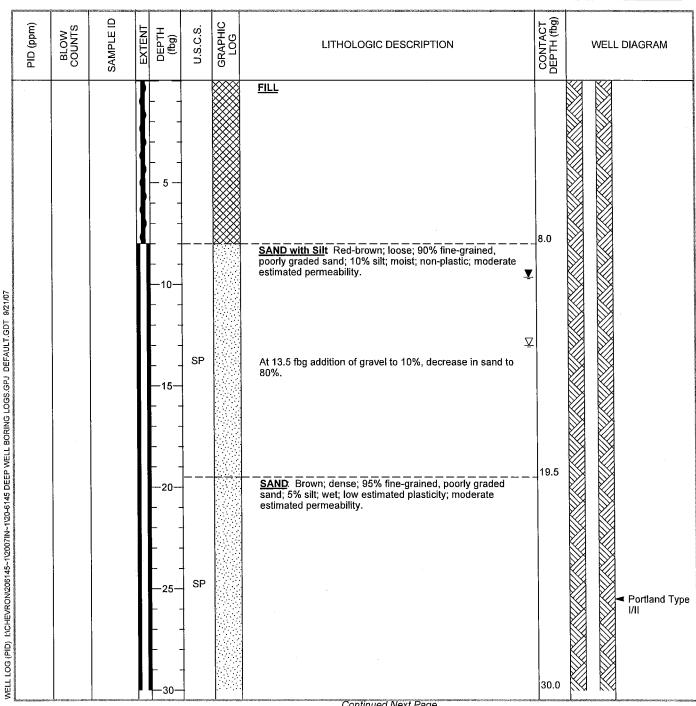




Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME MW-10 10-Apr-07 JOB/SITE NAME 20-6145 **DRILLING STARTED** 10-Apr-07 LOCATION 800 Center Street, Oakland CA DRILLING COMPLETED WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **DRILLER** Gregg Drilling **GROUND SURFACE ELEVATION DRILLING METHOD** Hollow-stem auger TOP OF CASING ELEVATION Not Surveyed **BORING DIAMETER 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.





Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

CLIENT NAME JOB/SITE NAME

LOCATION

 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-10

 20-6145
 DRILLING STARTED
 10-Apr-07

 800 Center Street, Oakland CA
 DRILLING COMPLETED
 10-Apr-07

Continued from Previous Page

	Continued from Previous Page												
	PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM			
GDT 9/21/07	1	50 50 50 50 50	MW-10 -S-41.5 MW-10 -S-44.5	X X	-3540	SP		At 39.5 fbg increase in dark detritus					
BORING LOGS.GPJ DEFAULT	1	50 50 50	MW-10 -S-49.5		 -50-					■ Bentonite Seal			
37IN~1\20-6145 DEEP WELL	0	33 50 50	MW-10 S-54.5		 55 			At 53.5 fbg color change to grey		✓ Monterey Sand #2/12			
WELL LOG (PID) INCHEVRONI206145~1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07	0	23 50 55	MW-10 -S-59.5		-60	SM		Silty SAND. Grey; very dense; 85% fine-grained, poorly graded sନ୍ୟୁ ଓ ଅନୁ ଅନ୍ୟୁଷ୍ଟ ଓ ଅନୁ ଅନୁ ଅନୁ ଆଧିକାର estimated permeability.	_59.5 _60.0	■ 2"-diam., 0.010" Slotted Schedule 40 PVC			

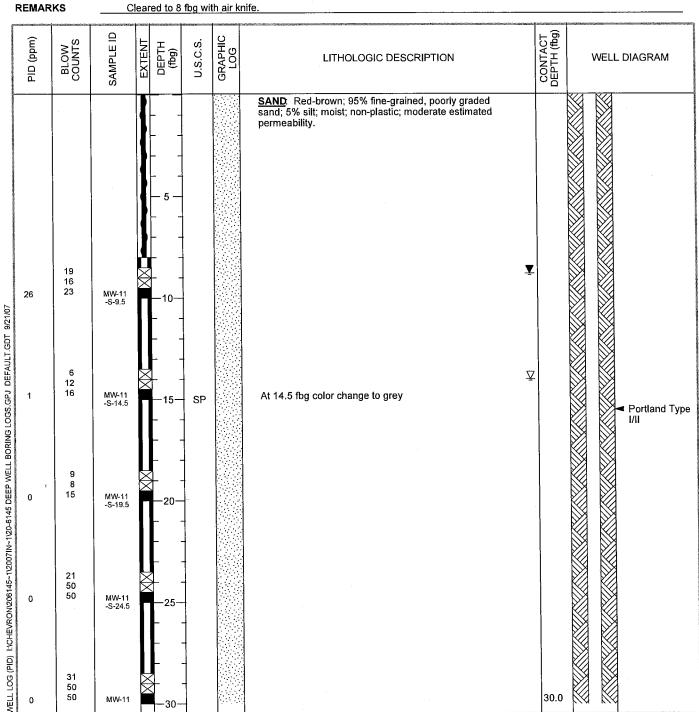


REMARKS

Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

Fax:

Chevron Environmental Management Company **BORING/WELL NAME** MW-11 **CLIENT NAME** 09-Apr-07 20-6145 **DRILLING STARTED JOB/SITE NAME** DRILLING COMPLETED 09-Apr-07 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Gregg Drilling TOP OF CASING ELEVATION DRILLING METHOD Hollow-stem auger Not Surveyed **SCREENED INTERVALS** 35 to 40 fbg **BORING DIAMETER** DEPTH TO WATER (First Encountered) 14.0 fbg (09-Apr-07) LOGGED BY I. Hull **REVIEWED BY** B. Foss, RG# 7445 **DEPTH TO WATER (Static)** 8.80 fbg (20-Apr-07)





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Fax:

CLIENT NAME JOB/SITE NAME LOCATION
 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-11

 20-6145
 DRILLING STARTED
 09-Apr-07

 800 Center Street, Oakland CA
 DRILLING COMPLETED
 09-Apr-07

Continued from Previous Page CONTACT DEPTH (fbg) GRAPHIC LOG PID (ppm) SAMPLE ID BLOW COUNTS DEPTH (fbg) U.S.C.S. EXTENT LITHOLOGIC DESCRIPTION WELL DIAGRAM -S-29.5 ■ Bentonite Seal 42 50 55 Monterey Sand #2/12 MW-11 -S-34.5 0 At 34.5 fbg color change to red-brown SP 2"-diam., 0.010" Slotted Schedule 40 31 54 PVC 56 40.0 MW-11 -S-39,5 At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 fbg 0 WELL LOG (PID) INCHEVRONIZ06145-112007IN-1120-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

Fax:

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME MW-12 10-Apr-07 **JOB/SITE NAME** 20-6145 **DRILLING STARTED** DRILLING COMPLETED 10-Apr-07 LOCATION 800 Center Street, Oakland CA PROJECT NUMBER 312002 WELL DEVELOPMENT DATE (YIELD) NA **GROUND SURFACE ELEVATION** Not Surveyed DRILLER Gregg Drilling DRILLING METHOD Hollow-stem auger TOP OF CASING ELEVATION Not Surveyed **BORING DIAMETER** 8" **SCREENED INTERVALS** 55 to 60 fbg DEPTH TO WATER (First Encountered) 14.0 fbg (10-Apr-07) I. Hull LOGGED BY **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	SAMPLE ID	EXTENT	ОЕРТН (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT	DEPIR (10g)	WELL DIAGRAM
WELL LOG (PID) INCHEVRONZOBI 45-1/2007/N-1/20-6145 DEEP WELL BURING LOGS. SPJ DEFAULT SDJ SYZINJ					SP			30		■ Portland Type

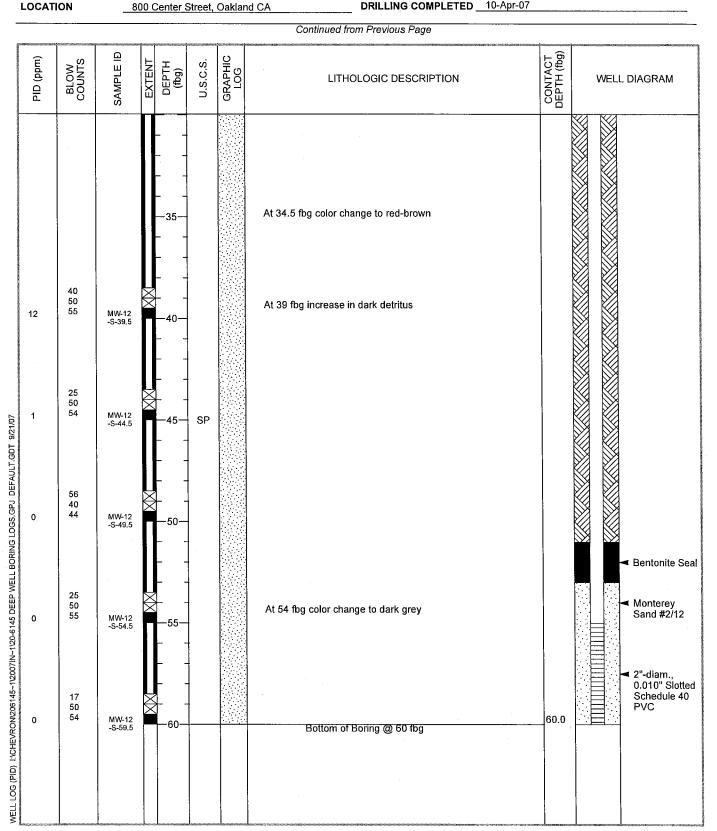


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CLIENT NAME JOB/SITE NAME
 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-12

 20-6145
 DRILLING STARTED
 10-Apr-07

 800 Center Street, Oakland CA
 DRILLING COMPLETED
 10-Apr-07





REMARKS

Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700 Fax:

CLIENT NAME MW-13 Chevron Environmental Management Company BORING/WELL NAME JOB/SITE NAME 20-6145 **DRILLING STARTED** 11-Apr-07 DRILLING COMPLETED 11-Apr-07 LOCATION 800 Center Street, Oakland CA PROJECT NUMBER 312002 WELL DEVELOPMENT DATE (YIELD) NA Not Surveyed DRILLER Gregg Drilling **GROUND SURFACE ELEVATION 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)

Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS EXTENT DEPTH (fbg) U.S.C.S. LITHOLOGIC DESCRIPTION WELL DIAGRAM **FILL** 8.5 SAND: Red-brown; loose; 95% fine-grained, poorly sorted sand; 5% silt; moist; non-plastic; moderate estimated permeability. WELL LOG (PID) I:/CHEVRON/206145-1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07 ∇ At 15 fbg color change to grey Portland Type SP 30.0



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CLIENT NAME JOB/SITE NAME

Chevron Environmental Management Company	BORING/WELL NAME	MW-13
20-6145	DRILLING STARTED	11-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	11-Apr-07

LOCATION Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE 1D GRAPHIC LOG PID (ppm) BLOW COUNTS U.S.C.S. EXTENT DEPTH (fbg) LITHOLOGIC DESCRIPTION WELL DIAGRAM ■ Bentonite Seal Monterey Sand #2/12 SP 2"-diam., 0.010" Slotted Schedule 40 PVC 40.0 At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 fbg WELL LOG (PID) INCHEVRONI206145-1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07



REVIEWED BY

Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

Chevron Environmental Management Company

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME JOB/SITE NAME 20-6145 LOCATION 800 Center Street, Oakland CA PROJECT NUMBER 312002 DRILLER Gregg Drilling DRILLING METHOD Hollow-stem auger BORING DIAMETER 8" LOGGED BY I. Huli

B. Foss, RG# 7445

 BORING/WELL NAME
 MW-14

 DRILLING STARTED
 11-Apr-07

 DRILLING COMPLETED
 11-Apr-07

 WELL DEVELOPMENT DATE (YIELD)
 NA

 GROUND SURFACE ELEVATION
 Not Surveyed

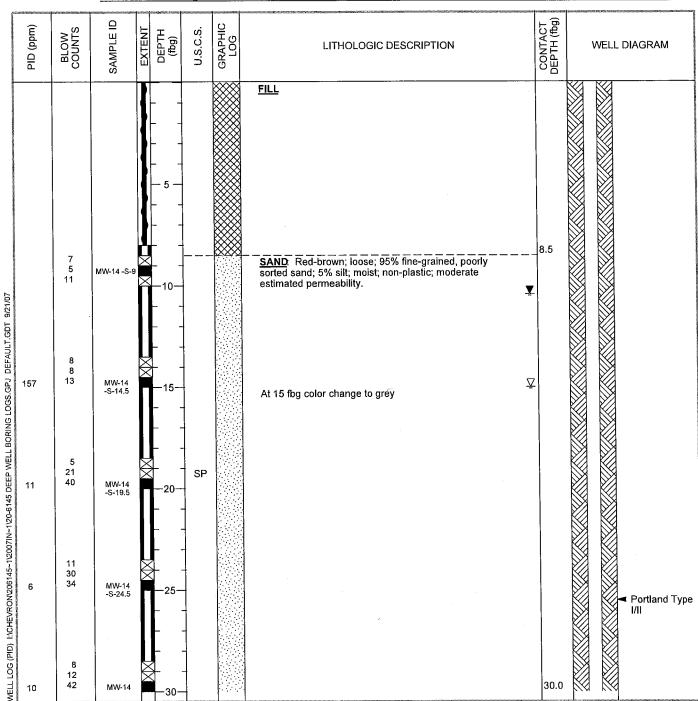
 TOP OF CASING ELEVATION
 Not Surveyed

SCREENED INTERVALS 55 to 60 fbg

 DEPTH TO WATER (First Encountered)
 15.0 fbg (11-Apr-07)
 ✓

 DEPTH TO WATER (Static)
 10.42 fbg (20-Apr-07)
 ✓

REMARKS Cleared to 8 fbg with air knife.





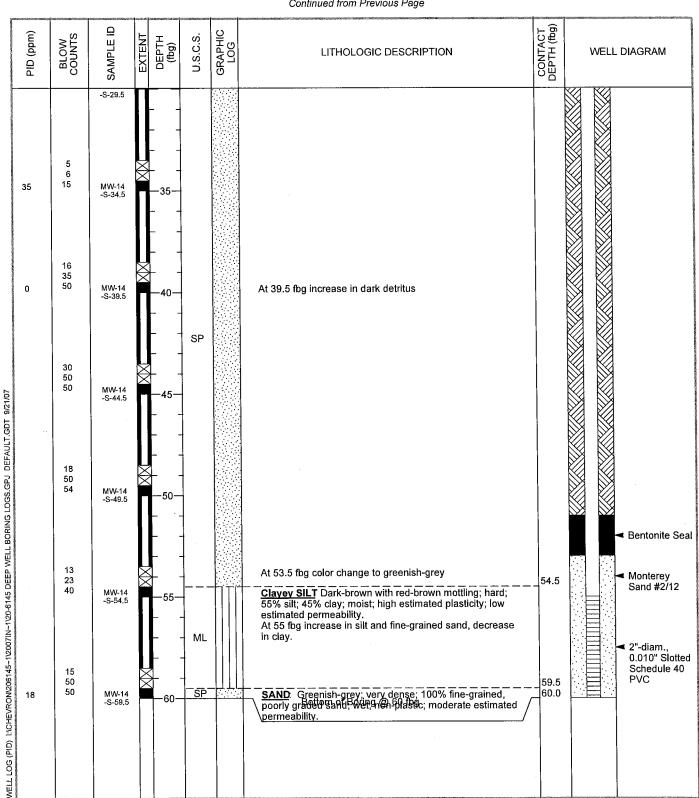
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Telephone: 510-420-0700

CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company **BORING/WELL NAME** MW-14 11-Apr-07 **DRILLING STARTED** 20-6145 DRILLING COMPLETED 11-Apr-07 800 Center Street, Oakland CA

Continued from Previous Page





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Fax:

CLIENT NAME Chevron Environmental Management Company BORING/WELL NAME MW-15 JOB/SITE NAME **DRILLING STARTED** 12-Apr-07 20-6145 DRILLING COMPLETED 12-Apr-07 LOCATION 800 Center Street, Oakland CA WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Gregg Drilling **DRILLING METHOD** TOP OF CASING ELEVATION Not Surveyed Hollow-stem auger **BORING DIAMETER SCREENED INTERVALS** 35 to 40 fbg DEPTH TO WATER (First Encountered) 14.0 fbg (12-Apr-07) LOGGED BY 1. Hull **REVIEWED BY** B. Foss, RG# 7445 **DEPTH TO WATER (Static)** 8.60 fbg (20-Apr-07)

REMARKS Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE 1D PID (ppm) GRAPHIC LOG BLOW COUNTS **EXTENT** DEPTH (fbg) U.S.C.S. LITHOLOGIC DESCRIPTION WELL DIAGRAM <u>SAND</u> Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. Ţ WELL LOG (PID) INCHEVRONI208145~1/2007IIN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07 ∇ SP Portland Type At 20 fbg color change to dark red-brown 30.0

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SP

WELL/BORING LOG

Monterey Sand #2/12

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

40.0

Fax:

CLIENT NAME
JOB/SITE NAME

 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-15

 20-6145
 DRILLING STARTED
 12-Apr-07

 800 Center Street, Oakland CA
 DRILLING COMPLETED
 12-Apr-07

A STANDON BOO Center Street, Oakland CA DRILLING COMPLETED 12-Apr-07

Continued from Previous Page

LITHOLOGIC DESCRIPTION

WELL DIAGRAM

WELL DIAGRAM

Bentonite Seal

Bottom of Boring @ 40 fbg



CLIENT NAME

LOCATION

DRILLER

LOGGED BY

REVIEWED BY

JOB/SITE NAME

PROJECT NUMBER 312002

BORING DIAMETER 8"

DRILLING METHOD Hollow-stem auger

Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700 Fax:

800 Center Street, Oakland CA

Chevron Environmental Management Company BORING/WELL NAME MW-16 12-Apr-07 DRILLING STARTED DRILLING COMPLETED 12-Apr-07 WELL DEVELOPMENT DATE (YIELD) NA Not Surveyed **GROUND SURFACE ELEVATION** TOP OF CASING ELEVATION Not Surveyed **SCREENED INTERVALS** 55 to 60 fbg

DEPTH TO WATER (First Encountered) 14.0 fbg (12-Apr-07) DEPTH TO WATER (Static) 9.82 fbg (20-Apr-07)

I. Hull

20-6145

Gregg Drilling

B. Foss, RG# 7445

Ppm) WW JTS WITS WITS WITS WITS WITS WITS WITS WI	WELL DIAGRAM
PID (ppm) BLOW COUNTS SAMPLE ID EFTH (fbg) U.S.C.S. CONTACT DEPTH (fbg)	
SAND Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% sit; molst; non-plastic; moderate estimated permeability.	▼ Portland Type



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CLIENT NAME

Chevron Environmental Management Company	BORING/WELL NAME	MW-16
20-6145	DRILLING STARTED	12-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	12-Apr-07

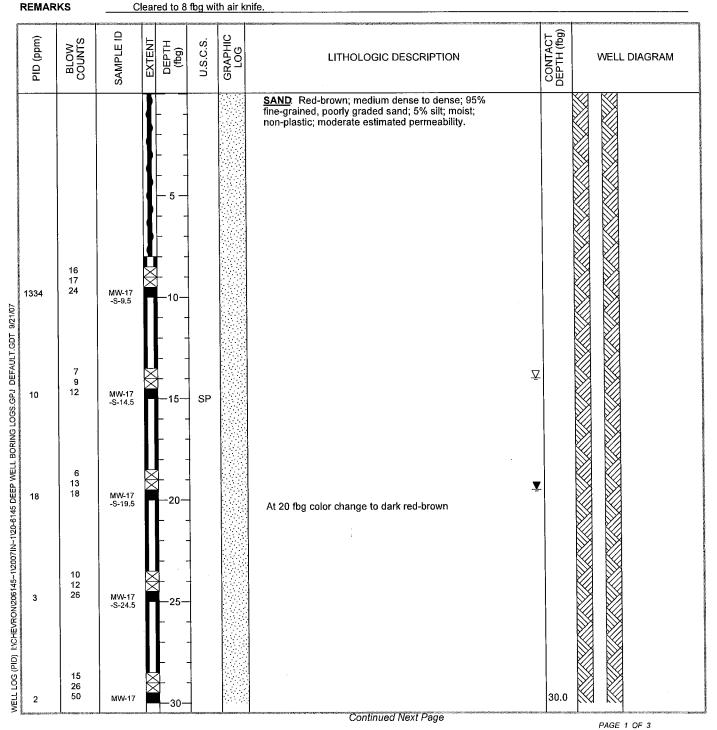
JOB/SITE NAME LOCATION Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS EXTENT DEPTH (fbg) U.S.C.S. LITHOLOGIC DESCRIPTION WELL DIAGRAM



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CLIENT NAME Chevron Environmental Management Company **BORING/WELL NAME** MW-17 **DRILLING STARTED** 13-Apr-07 JOB/SITE NAME 20-6145 DRILLING COMPLETED 13-Apr-07 LOCATION 800 Center Street, Oakland CA WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Gregg Drilling DRILLING METHOD **TOP OF CASING ELEVATION** Not Surveyed Hollow-stem auger BORING DIAMETER **SCREENED INTERVALS** 70 to 75 fbg 8" DEPTH TO WATER (First Encountered) 14.0 fbg (13-Apr-07) LOGGED BY I. Hull 19.50 fbg (20-Apr-07) **REVIEWED BY** B. Foss, RG# 7445 **DEPTH TO WATER (Static)**





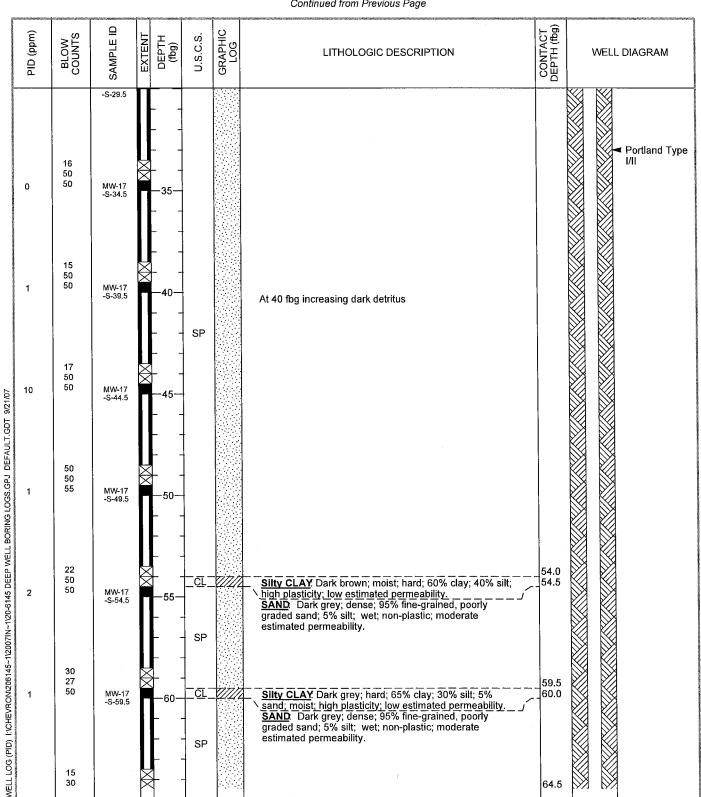
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CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company **BORING/WELL NAME** MW-17 20-6145 **DRILLING STARTED** 13-Apr-07 13-Apr-07 **DRILLING COMPLETED** 800 Center Street, Oakland CA

Continued from Previous Page



Continued Next Page

PAGE 2 OF 3



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CLIENT NAME JOB/SITE NAME

LOCATION

Chevron Environmental Management Company BORING/WELL NAME MW-17 13-Apr-07 20-6145 **DRILLING STARTED** DRILLING COMPLETED 13-Apr-07 800 Center Street, Oakland CA

_							•	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	35	MW-17 -S-64.5		65 	_CL_		At 64 fbg color change to brown \[\sum_{\text{Silty CLAY}} \text{ Dark grey; hard; 65% clay; 30% silt; 5% } \] \\ \sand; \text{moist; high plasticity; low estimated permeability.} \] \[\sum_{\text{SAND}} \text{ Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability.} \]	65.0	■ Bentonite Seal
***************************************	0	13 13 25	MW-17 -S-69.5		 70 	SP				Monterey Sand #2/12
	0	16 16 50	MW-17 -S-74.5	\bigotimes	 75-			Bottom of Boring @ 75 fbg	75.0	2"-diam., 0.010" Slotted Schedule 40 PVC
/07										
J DEFAULT.GDT 9/21										
L BORING LOGS.GP.				į						
-1\20-6145 DEEP WEL									1	
WELL LOG (PID) INCHEVRONIZO6145~1/2007IN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 9/21/07						;				
LOG (PID) INCHEVRO										
ÆLL L					-		,			



BORING/WELL LOG

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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 A	
DRILLER	Woodward Drilling Co., C57 #710079	GROUND SURFACE ELEVATION	Not Surveyed	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION Not Surve	eyed	
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	Ţ

0 Silty SAND: Grey brown; 85% poorly-graded, ☐ fine-grained sand, 15% silt; wet; low estimated plasticity; high estimated permeability.	REMAR	KS _	Н	and	augere	d to 8	fbg			
O Sility SAND: Grey brown; 85% poorly-graded, fine-grained sand, 15% silt; wet; low estimated plasticity; high estimated permeability.	PiD (ppm)	BLOW	SAMPLEID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG		CONTACT DEPTH (fbg)	WELL DIAGRAM
LLOG (PID) 1:208145-11EXCAVA-11	00 00 00 00 00 00 00 00 00 00 00 00 00		81-10 81-15		- 10- - 10- 	SM		@ 5' - increase in moisture	11.5	Bottom of Boring @ 20



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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME B2	_
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) 13.0 fbg (12-Jun-06)	$\overline{\Delta}$
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static) NA	Ţ
DEMARKS	Hand augered to 8 fbg		

SAMPLE ID SAMPLE ID SAMPLE ID DEPTH (fbg) U.S.C.S. GRAPHIC LOG	NACDAM
	JIAGRAWI
@ 11' - color change to gray @ 13' - wet D2-15 B2-17 B2-17 B2-19.5	Portland Type I/II Bottom of Boring @ 20 fbg



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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)	<u></u> _ <u>_</u>
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static) NA	Ţ
REMARKS	Hand augered to 8 fbg		

REMARKS	На	nd	augere	d to 8 f	bg					
PID (ppm)	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT	DEPTH (fbg)	WELL	DIAGRAM
WELL LOG (PID) INZUG145-1/EXCAVA-1/SOILPR-1/BORING LOGS.GPJ DEFAULT.GDT 10/5/06 O O O O	B3-15 B3-17 B3-19_5			SM	A RECORD CONTROL OF CONTROL CO	Silty SAND : Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability. @ 12' - wet	▼	20.0		Portland Type I/II Bottom of Boring @ 20 fbg

BORING/WELL LOG



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DRILLER DRILLIN BORING LOGGEI REVIEW REMARI	E NAME ON IT NUMBE R G METHO IDIAMETE D BY VED BY KS —	Woodward Drilling Co., C57 #710079 Hydraulic push ER 2 3/4" J. Ortega B. Foss PG #7445 Hand augered to 8 fbg						DRILLING STARTED 07-Jun-06 DRILLING COMPLETED 12-Jun-06 WELL DEVELOPMENT DATE (YIELD) NA GROUND SURFACE ELEVATION Not Surveyed TOP OF CASING ELEVATION Not Surveyed SCREENED INTERVALS NA DEPTH TO WATER (First Encountered) 12.0 fbg (12-Jun-06) DEPTH TO WATER (Static) NA				
PID (ppm)	BLOW	SAMPLE	EXTENT	(fbg)	U.S.C.S.	GRAPHIC LOG	LITH	OLOGIC DESCRIPTION		CONT DEPTH	WELL	DIAGRAM
0		B4-9, 5		5	SM		TOPSOIL with gras Silty SAND: Dark fine-grained sand, 1 high estimated perr	brown; 85% poorly-graded, 5% silt; moist; low estimate		0.5		Portland Type
0	ļ	 B4-19 .5	H	_20_				<u>, , , , , , , , , , , , , , , , , , , </u>		20.0		Bottom of Boring @ 20
LLOG (PID) (200145-1-XCAVA-13-01-F-X-1-0-0-N)												fbg

BORING/WELL LOG



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CLIENT NAME JOB/SITE NAME LOCATION PROJECT NUMBER DRILLER DRILLING METHOD BORING DIAMETER LOGGED BY REVIEWED BY REMARKS	20-6145 800 Center Street, 31J-2002 Woodward Drilling Hydraulic push 2 3/4" J. Ortega B. Foss PG #7445 Hand augered to 8	3 fbg	DRILLING STARTED 07-Jun-06 DRILLING COMPLETED 12-Jun-06 WELL DEVELOPMENT DATE (YIELD) NA GROUND SURFACE ELEVATION Not Surveyed TOP OF CASING ELEVATION Not Surveyed SCREENED INTERVALS NA DEPTH TO WATER (First Encountered) 12.5 fbg (12-Jun-06) DEPTH TO WATER (Static) NA				
PID (ppm) BLOW COUNTS	SAMPLE ID EXTENT DEPTH (fbg) U.S.C.S.	GRA L	DLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM		
0 0 0 0	BS-0. 5	high estimated perm	je to gray	20.0	Portland Type I/II Bottom of Boring @ 20 fbg		

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BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME B6
JOB/SITE NAME	20-6145	DRILLING STARTED 07-Jun-06
LOCATION	800 Center Street, Oakland, California	DRILLING COMPLETED 12-Jun-06
PROJECT NÚMBER	31,J-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
DEMARKS	Hand augered to 8 fbg	

REMAR	KS			augere		og	DEL HILLOWING		
PID (ppm)	BLOW	SAMPLEID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0	m O	BG-9. 5			1	GR	TOPSOIL with grass Silty SAND: Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability. @ 12' - wet @ 15' - color chage to gray brown	0.5 -0.5	Portland Type
WELL LOG (PID) INZOS145-11EXCAVA-11SOILFR-11BORING LOGS GPJ DEFALLT.CDT 105/06-15		96-19.5		20-			@ 19' - color change to dark brown	20.1	Bottom of Boring @ 20 fbg

BORING/WELL LOG



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		•
CLIENT NAME _	Chevron Environmental Management Company	BORING/WELL NAME B7
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	
KEMNKV9	Traine adjected to 6 lbg	
		(figg)
		125 l

PID (ppm) BLOW COUNTS	SAMPLE ID EXTENT DEPTH (fbg)	U.S.C.S. GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0 0 0	87-10 - 10·	SM	Silty SAND: Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability. @ 4' - moist @ 12' - wet	↓ 0.5 ↓ 0.5 ↓ 20.0	Portland Type I/II Bottom of Boring @ 20 fbg

PAGE 1 OF



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BORING/WELL LOG

CLIENT NAME	Cheyron Environmental Management Company	BORING/WELL NAME B8		
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	GIVOOUS COUNTY OF THE COUNTY O	Not Surveyed	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION Not Surve	eyed	
BORING DIAMETER	2 3/4"	SCREENED INTERVALS NA		
LOGGED BY	J. Ortega	DEPTH TO WATER (First Encountered)	13.0 fbg (12-Jun-06)	
REVIEWED BY	B. Foss PG #7445	DEPTH TO WATER (Static)	NA	

PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEРТН (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT	DEPIH (10g)	WELL 0	DIAGRAM
0		88-0. S		5	·		TOPSOIL with grass Silty SAND: Dark brown; 85% poorly-graded, fine-grained sand, 15% silt; moist; low estimated plasticity; high estimated permeability. @ 4' - moist	0.5			Portland Type
0		B8-14.5		 15 - -	SW		@ 13' - wet	又	NILL CALLES CALLED CONTRACTOR		VIII
0		68-19.5		20-				20	0.0		Bottom of Boring @ 20 fbg



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C-1 **CLIENT NAME** Chevron Environmental Management Company BORING/WELL NAME 01-Nov-04 **DRILLING STARTED JOB/SITE NAME** 20-6145 DRILLING COMPLETED 01-Nov-04 LOCATION 800 Center Street, Oakland CA WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 31H-2002 **GROUND SURFACE ELEVATION** Not Surveyed **DRILLER** Woodward Drilling Company, Inc. TOP OF CASING ELEVATION Not Surveyed DRILLING METHOD Hydraulic push NA **SCREENED INTERVALS BORING DIAMETER** 2" DEPTH TO WATER (First Encountered) 11.0 fbg (01-Nov-04) LOGGED BY Sarah Owen NA **DEPTH TO WATER (Static) REVIEWED BY** B. Foss, RG# 7445 REMARKS Cleared to 8 fbg with air knife.

CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW COUNTS PID (ppm) DEPTH (fbg) U.S.C.S. EXTENT WELL DIAGRAM LITHOLOGIC DESCRIPTION Gravel 5.0 Gravelly SAND: Medium gray; dry; loose; 80% sand, 5.5 C1@5 SW S 0 20% gravel; moderate to high estimated permeability. Fill? 8.0 Silty SAND: Light brown, damp; dense; 90% fine sand, 10% silt; moderate to high estimated permeability. SM 9.0 <u>Silty SAND</u>: Light brown with gray mottling; damp; moderately dense; 80% fine sand, 20% silt; moderate to C1@10 0 high estimated permeability. ∇ SM Portland Type WELL LOG (PID) I:ICHEVRONI206145~1/2004IN~1/B-LOGSISOIL BORINGS.GPJ DEFAULT.GDT 9/19/07 14.0 Silty SAND: Light brown with gray mottling; damp; moderately dense; 85% fine sand, 15% silt; moderate to C1@15 high estimated permeability. At 19 fbg approximately 3" of soil with black and red staining was observed. SM C1@20 25.0 C1@ 24.5 Bottom of Boring @ 25 fbg



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Fax:

CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	C-2		
JOB/SITE NAME	20-6145	DRILLING STARTED	01-Nov-04		
OCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	01-Nov-04		
PROJECT NUMBER	31H-2002	WELL DEVELOPMENT D	ATE (YIELD)_	NA	
DRILLER	Woodward Drilling Company, Inc.	GROUND SURFACE ELE	VATION _	Not Surveyed	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVA	ГІОН _	Not Surveyed	
BORING DIAMETER	2"	SCREENED INTERVALS	_	NA	
LOGGED BY	Sarah Owen	DEPTH TO WATER (First	Encountered	I) NA	Δ
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Stati	c)	NA	Y
	Classed to O flow with air knife	•	-	·	

REMARKS Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS U.S.C.S. EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION Gravel <u>Gravelly SAND</u>: Dark gray; dry; loose; 60% fine to medium sand, 40% angular gravel; high estimated permeability. Fill? sw limi 5.5 0 C2@5 8.0 Sandy GRAVEL: Dark gray; dry; loose; 60% angular gravel, 40% fine to medium sand; high estimated permeability. Fill? Becomes wet at 12 fbg. C2@10 GW 12,5 Silty SAND: Light brown; wet; moderately loose; 85% fine sand, 15% silt; moderate to high estimated permeability. Approximately 2" of soil with red and black staining was observed at 19.5 fbg. Portland Type WELL LOG (PID) INCHEVRONIZ06145~1/2004IN-1/B-LOGS/SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07 C2@15 SM C2@20 25.0 C2@ 24.5 Bottom of Boring @ 25 fbg



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Chevron Environmental Management Company BORING/WELL NAME **CLIENT NAME** C-3 01-Nov-04 **DRILLING STARTED** JOB/SITE NAME DRILLING COMPLETED 01-Nov-04 LOCATION 800 Center Street, Oakland CA WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 31H-2002 Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Woodward Drilling Company, Inc. TOP OF CASING ELEVATION Not Surveyed DRILLING METHOD Hydraulic push **SCREENED INTERVALS** NA **BORING DIAMETER** DEPTH TO WATER (First Encountered) NA **LOGGED BY** Sarah Owen NA **REVIEWED BY** B. Foss, RG# 7445 **DEPTH TO WATER (Static) REMARKS** Cleared to 8 fbg with air knife.

REMARKS Cleared to 8 tog with air knile.	
PID (ppm) BLOW COUNTS SAMPLE ID EXTENT (fbg) U.S.C.S. GRAPHIC LOG CONTACT DEPTH (fbg)	VELL DIAGRAM
SW ::: Gravelly SAND Dark brown; dry, very loose; 60% sand, 40% gravel; high estimated permeability. Moderate hydrocarbon odor. Fili?	▼ Portland Type



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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	d) NA	Z
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	NA	Ž
REMARKS	Cleared to 8 fbg with air knife.			

Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE ID PID (ppm) GRAPHIC LOG BLOW COUNTS DEPTH (fbg) U.S.C.S. EXTENT LITHOLOGIC DESCRIPTION WELL DIAGRAM Gravel 5.0 **Gravelly SAND**: Medium brown; dry; moderately loose; 60% sand, 40% gravel; high estimated permeability. Fill? C4@5 5 sw 8.0 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 894 C4@10 observed at 9 fbg. Soil becomes damp at 11 fbg and wet Portland Type WELL LOG (PID) INCHEVRONIZ08145-1/2004IN-1/B-LOGSISOIL BORINGS.GPJ DEFAULT.GDT 9/19/07 From 13 to 16 fbg soil is loose and greenish gray with black staining. C4@15 From 16-18 soil is light brown with light gray mottling. SM From 18 to 23 fbg soil becomes moderately dense and light brown. C4@20 25.0 C4@ 24.5 Bottom of Boring @ 25 fbg



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CLIENT NAME	Chevron Environmental Management Company
JOB/SITE NAME	20-6145
LOCATION	800 Center Street, Oakland CA
PROJECT NUMBER	31H-2002
DRILLER	Woodward Drilling Company, Inc.
DRILLING METHOD	Hydraulic push
BORING DIAMETER	2"
LOGGED BY	Sarah Owen
REVIEWED BY	B. Foss, RG# 7445
REMARKS	Cleared to 8 fbg with air knife.

C-5 BORING/WELL NAME 02-Nov-04 **DRILLING STARTED** DRILLING COMPLETED 02-Nov-04 WELL DEVELOPMENT DATE (YIELD) NA Not Surveyed **GROUND SURFACE ELEVATION** Not Surveyed TOP OF CASING ELEVATION **SCREENED INTERVALS** NA DEPTH TO WATER (First Encountered) NA NΑ **DEPTH TO WATER (Static)**

CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS U.S.C.S. EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION Gravel Sandy GRAVEL: Medium gray; dry; loose; 60% gravel, 40% sand; high estimated permeability: Fill? GW • 5.5 0 C5@5 8.0 Sandy Silty GRAVEL Dark brown; dry; moderately loose; 50% gravel, 35% silt, 15% sand; high estimated permeability. GM C5@10 1 11,0 Silty SAND: Light brown; damp; moderately loose; 95% sand, 5% silt; high estimated permeability. At 12 fbg soil becomes wet. Portland Type WELL LOG (PID) I:ICHEVRONI206145~1/2004IN~1/B-LOGSISO!L BORINGS.GPJ DEFAULT.GDT 9/19/07 C5@15 0 16,0 At 16 fbg soil becomes light gray with light brown mottling. SM 19.5 At 19.5 fbg soil becomes light brown and moderately C5@20 dense. 22.0 At 22 fbg soil becomes damp. 25.0 C5@ 24.5 Bottom of Boring @ 25 fbg



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Fax:

Chevron Environmental Management Company BORING/WELL NAME C-6 **CLIENT NAME DRILLING STARTED** 02-Nov-04 JOB/SITE NAME 20-6145 DRILLING COMPLETED 02-Nov-04 800 Center Street, Oakland CA LOCATION 31H-2002 WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER Not Surveyed **GROUND SURFACE ELEVATION** Woodward Drilling Company, Inc. **DRILLER TOP OF CASING ELEVATION** Not Surveyed **DRILLING METHOD** Hydraulic push **SCREENED INTERVALS** NA **BORING DIAMETER** DEPTH TO WATER (First Encountered) NA LOGGED BY Sarah Owen NA **DEPTH TO WATER (Static) REVIEWED BY** B. Foss, RG# 7445 **REMARKS** Cleared to 8 fbg with air knife.

CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW COUNTS PID (ppm) DEPTH (fbg) U.S.C.S. EXTENT LITHOLOGIC DESCRIPTION WELL DIAGRAM Gravel Silty SAND: Dark brown; dry; loose; 90% fine sand, SM . 10% silt; high estimated permeability. 8.0 Silty Gravelly SAND Dark brown; dry; dense; 80% fine 8.5 sand, 10% silt, 10% gravel; high estimated permeability. Strong hydrocarbon odor. Silty SAND: Light brown; dry; dense; 90% sand, 10% 1178 C6@10 silt; high estimated permeability. Strong hydrocarbon odor. 11.0 At 11 fbg soil becmoes loose and damp. Portland Type 9/19/07 13.5 1/11 At 13.5 fbg soil becomes wet and light gray with light DEFAULT.GDT brown mottling. 15.0 C6@15 At 15 fbg, slight hydrocarbon odor. 284 From 16 to 18 fbg soil has intermittent black and green SM LOG (PID) INCHEVRONZ06145~1/2004IN~1/B-LOGS\SOIL BORINGS.GPJ staining. 18.0 19.0 At 19 fbg soil becomes light brown and there is no hydrocarbon odor. C6@20 25.0 C6@ 24.5 Bottom of Boring @ 25 fbg



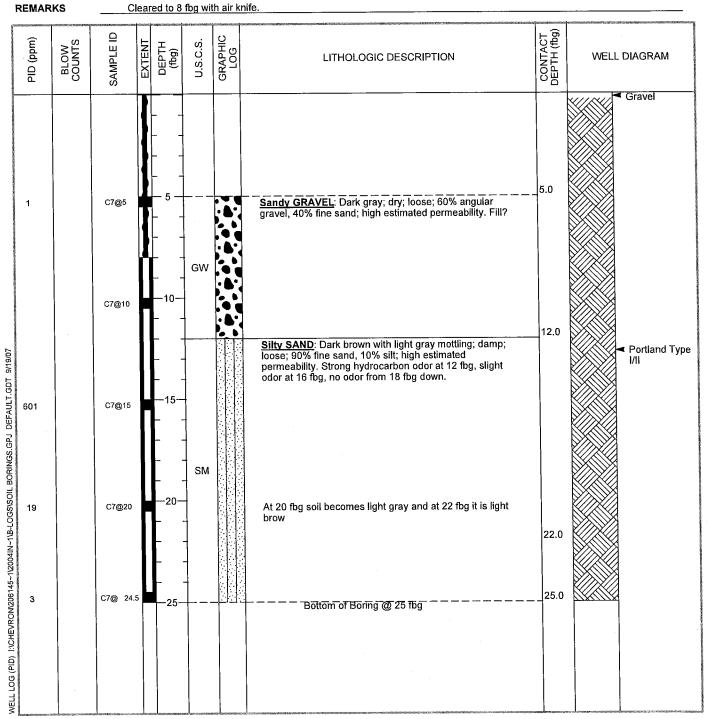
Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA

Telephone: 510-420-0700

Fax:

Chevron Environmental Management Company **CLIENT NAME** JOB/SITE NAME 800 Center Street, Oakland CA LOCATION PROJECT NUMBER 31H-2002 DRILLER Woodward Drilling Company, Inc **DRILLING METHOD** Hydraulic push **BORING DIAMETER LOGGED BY** Sarah Owen B. Foss, RG# 7445 **REVIEWED BY**

BORING/WELL NAME C-7 01-Nov-04 **DRILLING STARTED** DRILLING COMPLETED __01-Nov-04 WELL DEVELOPMENT DATE (YIELD) NA Not Surveyed **GROUND SURFACE ELEVATION** TOP OF CASING ELEVATION Not Surveyed **SCREENED INTERVALS** NΑ DEPTH TO WATER (First Encountered) NA NΑ **DEPTH TO WATER (Static)**





Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA

Telephone: 510-420-0700

Fax:

Chevron Environmental Management Company BORING/WELL NAME **CLIENT NAME DRILLING STARTED** 02-Nov-04 JOB/SITE NAME 20-6145 DRILLING COMPLETED 02-Nov-04 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 31H-2002 Not Surveyed **GROUND SURFACE ELEVATION DRILLER** Woodward Drilling Company, Inc. TOP OF CASING ELEVATION Not Surveyed **DRILLING METHOD** Hydraulic push **SCREENED INTERVALS** NA **BORING DIAMETER** DEPTH TO WATER (First Encountered) NA LOGGED BY Sarah Owen B. Foss, RG# 7445 **DEPTH TO WATER (Static)** NΑ **REVIEWED BY** REMARKS

Cleared to 8 fbg with air knife. CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG (mdd) BLOW COUNTS DEPTH (fbg) U.S.C.S. **EXTENT** WELL DIAGRAM LITHOLOGIC DESCRIPTION Gravel 5.0 Silty SAND: Light brown; dry; moderately loose; 95% fine sand, 5% silt; high estimated permeability. Strong 0 C8@5 hydrocarbon odor. 8.0 Soil becomes damp at 8 fbg. C8@10 1436 SM Portland Type WELL LOG (PID) I:ICHEVRONI206145~1/2004IN~11B-LOGSISOIL BORINGS.GPJ DEFAULT.GDT 9/19/07 13.5 Soil becomes wet at 13.5 fbg. C8@15 1088 16.0 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. 10 C8@20 SM 25.0 2 C8@ 24.5 25 Bottom of Boring @ 25 fbg



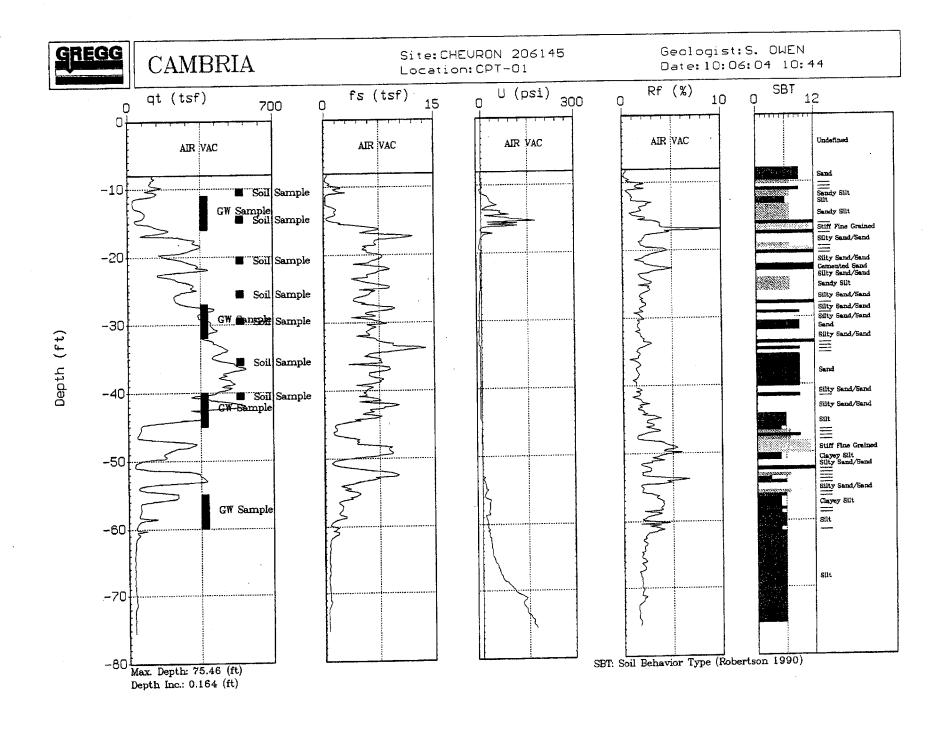
Conestoga-Rovers & Associates 5900 Hollis Street Emeryville CA Telephone: 510-420-0700

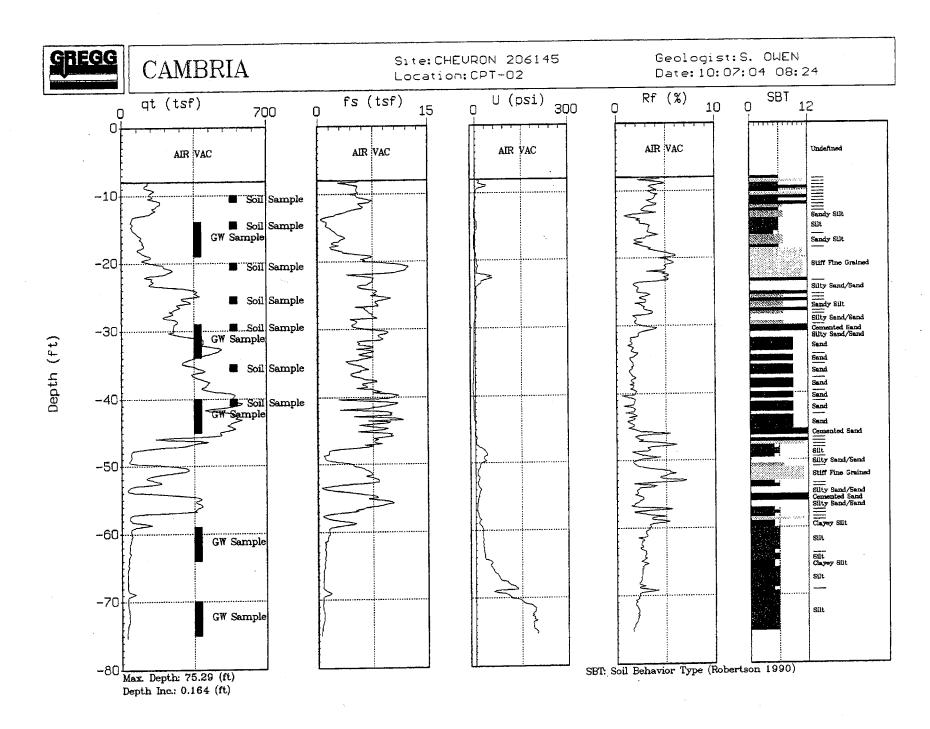
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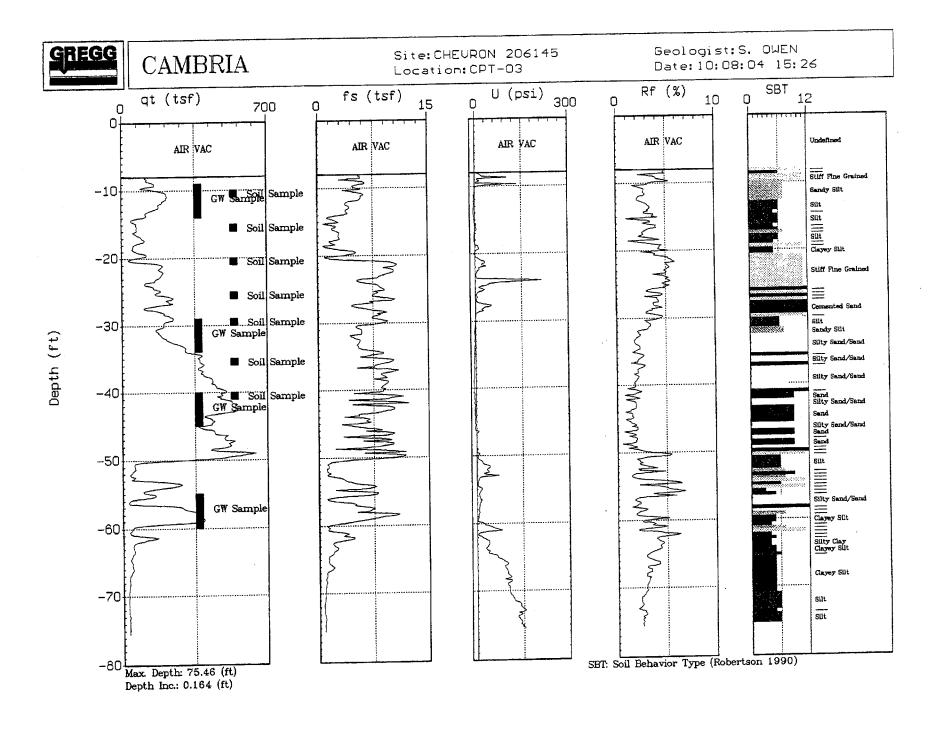
Chevron Environmental Management Company BORING/WELL NAME **CLIENT NAME** 02-Nov-04 JOB/SITE NAME **DRILLING STARTED** 20-6145 DRILLING COMPLETED 02-Nov-04 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA 31H-2002 PROJECT NUMBER Not Surveyed **GROUND SURFACE ELEVATION DRILLER** Woodward Drilling Company, Inc. **DRILLING METHOD** TOP OF CASING ELEVATION Not Surveyed Hydraulic push **SCREENED INTERVALS BORING DIAMETER** NA DEPTH TO WATER (First Encountered) LOGGED BY Sarah Owen B. Foss, RG# 7445 NA **REVIEWED BY DEPTH TO WATER (Static)**

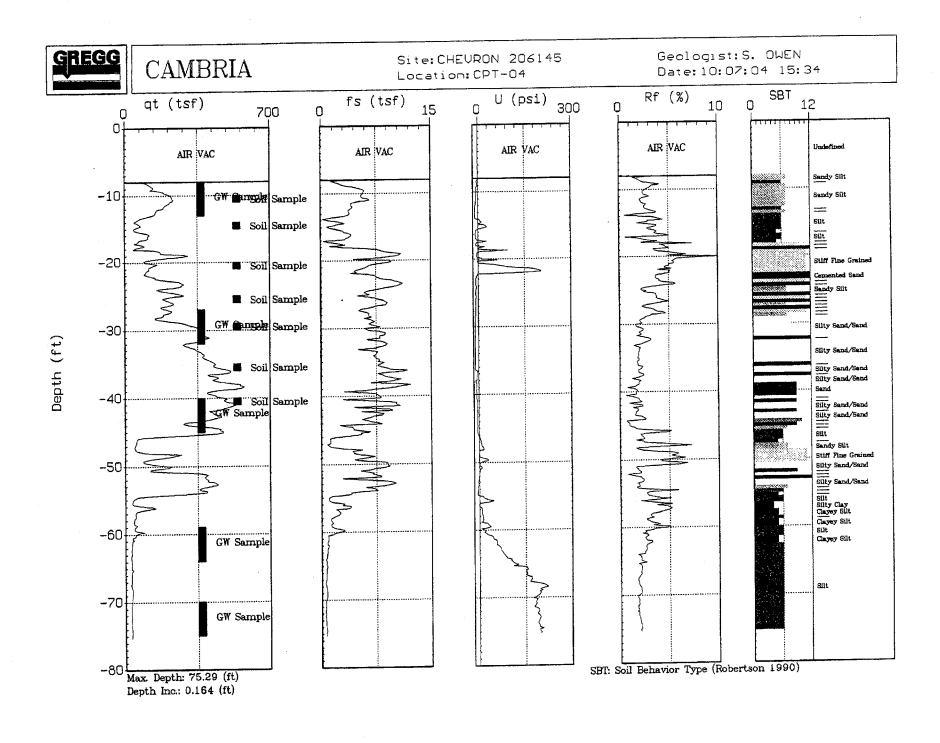
REMARKS Cleared to 8 flog with air knife. CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG (mdd) BLOW COUNTS DEPTH (fbg) U.S.C.S. EXTENT LITHOLOGIC DESCRIPTION WELL DIAGRAM 日 Gravel Silty SAND: Light brown; dry; very loose; 95% fine C9@5 SM : ٥ sand, 5% silt; high estimated permeability. 8.0 Gravelly Silty SAND Light brown; dry; very dense; 90% 8.5 fine sand, 5% gravel, 5% silt; high estimated permeabiliity. Silty SAND>: Light brown; damp; moderately dense; 90% fine sand, 10% silt; high estimated permeability. Soil C9@10 0 becomes wet and moderately loose at 11 fbg. Portland Type LOG (PID) I:\CHEVRON\206145~1\2004IN~1\B-LOGS\SOIL BORINGS.GPJ DEFAULT.GDT 9/19/07 1/11 From 13 to 16 fbg soil is light gray with light brown SM mottling. C9@15 0 16.0 18.5 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.

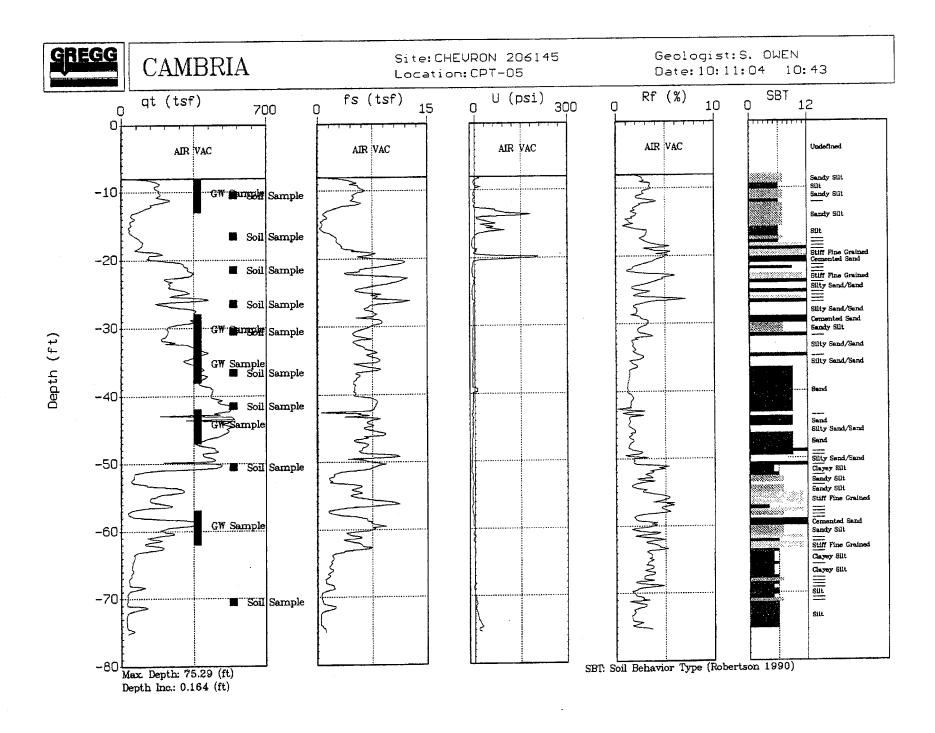
Silty SAND: Light brown; damp; moderately dense; 95% SM 19.5 C9@20 fine sand, 5% silt; high estimated permeability. SM 25.0 C9@ 24.5 Bottom of Boring @ 25 fbg











Gettler-Ryan, Inc.				an, In	c.	Log of Boring G-1		
PROJECT: Former Chevron Service Station No. 20-6145						LOCATION: 800 Center Street, Oakland,	California	
		T NO. : /				SURFACE ELEVATION:		
		RTED: 00			-	WL (ft, bgs): DATE: TIME	:	
		SHED: 0		_		WL (ft. bgs): DATE: TIME		
		ETHOD:				TOTAL DEPTH: 12 feet		
		OMPANY:				GEOLOGIST: Andrew Smith		
	1		1 1	1 1				
DEPTH (feet)	PIO (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS	
			0.01	SP-SM	Asphalt - 2 inches t		7	
					POORLY GRADED SAI	ND WITH SILT (SP-SM) - strong brown ose; 90% fine sand, 10% silt.		
2-					(1.31K 3/0), UI y, IOC	SE, OUR THE SOILS, ION SHE	Boring backfilled with neat cement to ground surface.	
4	31	G~1 (5)		.∏ SM	STI TY SAND (SM) -	- dark grayish brown (10YR 4/2), molst, dense;	Hand dugered to 5 feet bgs.	
				SP-SM	75% fine sand, 25%	silt. AND WITH SILT (SP-SM) - strong brown medium dense; 90% fine sand, 10% silt.		
8-					(7,5YA 5/6), moist,	medium dense; 90% fine sand, 10% slit.		
10-	256	G-1 (10)						
12-	-				Bottom of boring a	t 12 feet bgs.		
14-	-		-				<u> </u>	

JOB NUMBER: DG26145G.4CTI

Gettler-Ryan, Inc.						nc.	Log of Boring G-2			
PROJECT: Former Chevron Service Station No. 20-6145							LOCATION: 800 Center Street, Oakland,	California		
GR PI	ROJEC	T NO.:	DG2	61450	S.4CTI	, <u>, , , , , , , , , , , , , , , , , , </u>	SURFACE ELEVATION:			
DATE	STAF	RTED: O	6/21	/02			WL (ft. bgs): DATE: TIME	;		
DATE	FINI	SHED: C	3/2	1/02	rearra.		WL (ft. bgs): DATE; TIME			
		AETHOD:			oprobe	<u> </u>	TOTAL DEPTH: 12 feet			
		COMPANY:					GEOLOGIST: Andrew Smith			
				-33						
OEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS		
2— 4— 6— 8—	39	G-2 (10)	8	9	SP	Color changes to gra	D (SP) - strong brown (7.5YR 6/8), moist, ne sand, 5% silt. yish brown (10YR 5/2). ping brown (7.5YR 5/6).	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.		
-						Bottom of boring at	12 feet bgs.			

Gettler-Ryan, Inc.							Log of Boring G-3			
PROJE	ECT:	Former (chevi	on S	ervice .	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
		T NO. :					SURFACE ELEVATION:			
		TED: O					WL (ft. bgs): DATE: TIME			
		SHED: 0					WL (ft, bgs): DATE: TIME	:		
		ETHOD:			probe		TOTAL DEPTH: 12 feet			
		OMPANY:					GEOLOGIST: Andrew Smith	· · · · · · · · · · · · · · · · · · ·		
	PIO (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	CLASS		GEOLOGIC DESCRIPTION	REMARKS		
DEPTH (feet)		A₩P	A M	RA	SOIL					
<u> </u>	<u> </u>	S.	Š			Asphalt - 2 inches t	bick			
2—					SP-SM	POORLY GRADED SAL	ND WITH SILT (SP-SM) - strong brown ose; 90% fine sand, 10% sllt.	Boring backfilled with neat cement to ground surface.		
4	16	G~3 (5)				Color changes to da	ark greenish gray (Gley 1, 4/5GY),	Hand augered to 5 feet bgs.		
8-					SM	SILTY SAND (SM) - dense; 75% fine san	reddish brown (5YR 4/4), moist, medium d, 25% silt.			
10-	38	6-3 (10)				Bottom of boring a	t 12 feet bgs.			
14-			_							

: :	G	ettler	-Ry	en, Ir	ic.	Log of Boring G-4			
PROJ	ECT:	Former C	hevron	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
				6.4CT1		SURFACE ELEVATION:			
		TED: O	3/21/02			WL (ft. bgs): DATE: TIME	:		
		SHED: 0				WL (ft. bgs): DATE: TIME	<u>:</u> ;		
		ETHOD:				TOTAL DEPTH: 12 feet			
		OMPANY:				GEOLOGIST: Andrew Smith			
	(mdd)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	CLASS		GEOLOGIC DESCRIPTION	REMARKS		
ОЕРТН (feet)	PID	AME	RA	SOIL					
2-	ld	S.		SP-SM	Asphalt - 2 inches the POORLY GRADED SAN (7.5YR 5/6), dry, loo	nick. ND WITH SILT (SP-SM) – strong brown se; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.		
6-	10	G-4 (5)		SM		ark greenish gray (Gley 1, 4/5GY), reddish brown (5YR 4/4), moist, medium d, 25% silt.	Hand augered to 5 - feet bgs.		
10-	278	G-4 (10 [°]			Bottom of boring a	t 12 feet bgs.			
14				C 4CTI			Page 1 of		

JOB NUMBER: DG26145G.4CTI

	0	ettle	r–Ry	an, I	nc.	Log of Boring G-5			
PROJ	ECT:	Former (Chevroi	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California SURFACE ELEVATION:			
		T NO.:							
		RTED: 0				WL (ft. bgs): DATE: TIM	 E:		
		SHED: 0				WL (ft. bgs): DATE: TIM			
		METHOD:				TOTAL DEPTH: 12 feet			
		COMPANY:				GEOLOGIST: Andrew Smith			
				<i>y 2</i> y		ozozoste i minden emain	·		
DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS		
			9392	SP-SM	Asphalt - 2 inches th				
					POORLY GRADED SAN	ID WITH SILT (SP-SM) - strong brown se; 90% fine sand, 10% sllt.			
2-						oc. You the said, low sitt.	Boring backfilled with neat cement to ground surface.		
_									
4-			-						
6-	12	G-5 (5)					Hand augered to 5 feet bgs.		
8-									
10-									
10	291	G-5 (10)							
12-					Bottom of boring at	12 feet bgs.			
14		ER: DG	-						

JOB NUMBER: DG26145G.4CT1

Gettler-Ryan, Inc. PROJECT: Former Chevron Service Station No. 20-6145 GR PROJECT NO.: DG261456.4CT1							Log of Boring G-6		
PROJ	ECT:	Former (Chev	ron .	Service	Station No. 20-6145	LOCATION: 800 Cents	er Street, Oakland	California
		*					LOCATION: 800 Center Street, Oakland, California SURFACE ELEVATION:		
		RTED: 0			· ··		WL (ft. bgs): DATE	: TIME:	
		SHED: 0			· . · · · · · · · · · · · · · · · · · ·		WL (ft. bgs): DATE		
		METHOD:			oprobe		TOTAL DEPTH; 12 fee		
		COMPANY:			Drilling		GEOLOGIST: Andrew S		
				-90			ondered the same of	2001 (1)	
ОЕРТН (feet)	PIO (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	C	EOLOGIC DESCRIPTION		REMARKS
				5:11	SP-SM	Asphalt - 2 inches thi			
2-						POORLY GRADED SANI (7.5YR 5/8), dry, loos	9 WITH SILT (SP-SM) - stro e; 90% fine sand, 10% silt,	ong brown	Boring backfilled - with neat cement to ground surface
4-	100	G-8 (5)							Hand augered to 5 - feet bgs.
8-									
10-	>10001	G-6 (10)							
14-		ER: DG:				Bottom of boring at 13	feet bgs.		-

JOB NUMBER: DG26145G.4CT1

	Ge	ettler	-Rya	an, In	C.	Log of Boring G-7			
PROJE	CT: /	ormer Ci	evron	Service S	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
GR PR	OJECT	NO.: <i>D</i>	G26145	G.4CT1		SURFACE ELEVATION:			
DATE	STAR	ΓΕD: <i>06</i>	/21/02			WL (ft, bgs): DATE: TIME:			
		HED: 08				WL (ft. bgs): DATE; TIME:			
ORILL	ING ME	ETHOD:	2 in. Ge	eoprobe		TOTAL DEPTH: 12 feet			
PRILL	ING CO	OMPANY:	Gregg	Drilling		GEOLOGIST: Andrew Smith			
(feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS	(GEOLOGIC DESCRIPTION	REMARKS		
2	24	G-7 (5)	9 8000000000000000000000000000000000000	SP-SM	Asphalt - 2 inches th POORLY GRADED SAN (7.5YR 5/6), dry, loos	ick. D WITH SILT (SP-SM) — strong brown se; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.		
8	357	G-7 (10)		SM	60% fine sand, 30%				
12-					Bottom of boring a	t 12 feet bgs.	Page 1 (

Gettler-Ryan, Inc.							Log of Boring G-8			
PROJ	ECT:	Former C	hev	ron Se	rvice :	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
		T NO.: /	,				SURFACE ELEVATION:			
		TED: O					WL (ft. bgs): DATE: TIME:			
		SHED: 0					WL (ft. bgs): DATE: TIME:			
		1ETHOD:			robe		TOTAL DEPTH: 12 feet			
		OMPANY:					GEOLOGIST: Andrew Smith			
	(mdd)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	(SEOLOGIC DESCRIPTION	REMARKS		
DEPTH (feet)	PIO (p	SAMPL	SAMPL	GRAPH	SOIL					
2-					SM	Asphalt - 2 inches th SILTY SAND (SM) - t sand, 25% silt.	ick. Drown (7.5YR 5/3), moist, loose; 75% fine	Boring backfilled with neat cement to ground surface.		
4- - 6-		G-8 (5)			6P-SM	POORLY GRADED SAN 3/3), moist, medium d	ID WITH SILT (SP-SM) – dark brown (7.5YR ense; 90% fine sand, 10% silt, trace gravel.	Hand augered to 5 teet bys.		
8-	36.1							-		
10-	>1000	6-8 (10)							
12-						Bottom of boring at	12 feet bgs.			
14								Page 1 o		

	e	ettle	r-	Rya	an, I	nc.	Log of Boring G-9			
PRO	ECT:	Former	Chev	ron S	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
GR P	ROJEC	T NO.:	DG2	61450	3.4CT1		SURFACE ELEVATION:	- CONTOTTILA		
DATE	STAF	RTED: C	06/21	1/02			WL (ft. bgs): DATE: TIME	:		
		SHED:					WL (ft. bgs): DATE: TIME			
DRIL	LING M	ETHOD:	2 i	n. Ge	oprobe		TOTAL DEPTH: 12 feet			
DRIL	LING C	COMPANY	: <i>G</i> .	regg	Drilling		GEOLOGIST: Andrew Smith			
DEРТН (feet)	PIO (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS		
2-					SM	Asphalt - 2 inches the SILTY SAND (SM) - 1 fine sand, 20% silt.	grayish brown (10YR 5/2), moist, loose; 80%	Boring backfilled with neat cement to ground surface.		
6	379	G-0 (5)			ML	SILT (ML) - dark bro 10% fine sand, trace o	wn (7.5YR 3/3), moist, medium stlff; 90% sllt, gravel.	Hand augered to 5 feet bgs.		
10-	>1000	G-9 (10)			SP	POORLY GRADED SAN medium dense; 95% fir	D (SP) - strong brown (7.5YR 5/6), moist, le sand, 5% silt.	_		
14-						Bottom of boring at 12	? feet bgs,	_		
		R: <i>DG2</i>	ᆜ				<u> </u>	_		

		5 L US	-iv y c	en, In		Log of Boring G-10			
OJE	CT:	Former	Chevron	Service S	tation No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
			DG26145			SURFACE ELEVATION:			
ATE	STAR	TED: 0	6/21/02			WL (ft. bgs): DATE:	TIME:		
			06/21/02			WL (ft. bgs): DATE:	TIME:		
			2 in. Ge			TOTAL DEPTH: 12 feet			
			: Gregg			GEOLOGIST: Andrew Smith			
1721	1		1	T					
(feet)	PIO (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION		REMARKS	
-			0.01	SP-SM	Asphalt - 2 inches t	hick.			
2-				. 5r-5m	POORLY GRADED SA (7.5YR 5/6), dry, loc	ND WITH SILT (SP-SM) - strong brown ose; 90% fine sand, 10% silt.		Boring backfilled with neat cement to ground surface.	
- 4-									
6-	157	G-10 (5	(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c					Hand augered to 5 feet bgs.	
8-	1								
10-	398	G-10 (10)				•		
12					Bottom of boring	at 12 feet bgs.			
	-								

	Ge	ttler	-R	yan,	. Inc).	Log of Boring G	
PO 1E	CT F	ormer C	hevri	on Ser	vice Si	tation No. 20-6145	LOCATION: 800 Center Street, Oakland	d, California
	OJECT						SURFACE ELEVATION:	
	START						WE (II. Dgs/. DATE:	<u> </u>
	FINISH						WL (ft. bgs); DATE: TIN	ME:
	ING ME				robe		TOTAL DEPTH: 12 feet	
	ING CO						GEOLOGIST: Andrew Smith	
	(ppm)	SAMPLE NUMBER	SAMPLE INT.		CLASS		GEOLOGIC DESCRIPTION	REMARKS
DEPTH (feet)	뎚	SAM	SAM	GRA	SOIL			
					SP	Asphalt - 2 Inches to POORLY GRADED SAI medium dense; 95% f	ND (SP) - dark brown (7.5YR 3/3), moist,	Boring backfilled with neat cement to ground surface.
4-								Hand augered to 5
6	154	G-11 (5)			Color changes to s	strong brown (7.5YR 5/6).	feet bgs.
8	_				SW	WELL-GRADED SA medium dense; 957	ND (SW) – dark brown (7.5YR 3/3), moist, % sand, 5% silt.	
	283	6-11 (10)			Bottom of boring	at 12 feet bgs.	
	-							Page

Gettler-Ryan, Inc. IJECT: Former Chevron Service Station No. 20-814 PROJECT NO.: DG261456.4CT1 TE STARTED: 06/21/02 TE FINISHED: 06/21/02 ILLING METHOD: 2 in. Geoprobe ILLING COMPANY: Gregg Drilling	WL (ft. bgs): DATE: TII WL (ft. bgs): DATE: TI TOTAL DEPTH: 12 feet	d, <i>California</i> ME:
PROJECT NO.: DG261456.4CT1 TE STARTED: 06/21/02 TE FINISHED: 06/21/02 ILLING METHOD: 2 in. Geoprobe	SURFACE ELEVATION: WL (ft. bgs): DATE: TII WL (ft. bgs): DATE: TII TOTAL DEPTH: 12 feet	
TE STARTED: 06/21/02 TE FINISHED: 06/21/02 ILLING METHOD: 2 in. Geoprobe	WL (ft. bgs): DATE: TII TOTAL DEPTH: 12 feet	ME:
TE FINISHED: 06/21/02 ILLING METHOD: 2 in. Geoprobe	TOTAL DEPTH: 12 feet	
ILLING METHOD: 2 in. Geoprobe	TOTAL DEPTH: 12 feet	ME:
ILLING METHOD. 2 III. DEOPTODE		
TILING COMPANT. Gregg Diam's	GEOLOGIST: Andrew Smith	
(ppm) APLE NUMBER APHIC LOG 1L CLASS	GEOLOGIC DESCRIPTION	REMARKS
G-12 (10) G-12 (10) G-12	ED SAND WITH SILT (SP-SM) - strong brown holst, medium dense; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.
12- Bottom o	f boring at 12 feet bgs.	

Gettler-Ryan, Inc.	Log of Boring G	
ROJECT: Former Chevron Service Station No. 20-	-6145 LOCATION: 800 Center Street, Oaklan	nd, California
R PROJECT NO.: DG26145G.4CT1	SURPACE ELEVATION.	ME:
ATE STARTED: 06/21/02	ML (10. Dgs).	IME:
ATE FINISHED: 06/21/02	WE (IL DGs).	IME:
RILLING METHOD: 2 in. Geoprobe	TOTAL DEPTH: 12 feet	
RILLING COMPANY: Gregg Drilling	GEOLOGIST: Andrew Smith	
AMPLE NUMBER AMPLE INT. RAPHIC LOG OIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
	RADED SAND WITH SILT (SP-SM) - strong brown (6), moist, medium dense; 90% fine sand, 10% silt.	
2— (7.5YR 5/6	OB HICKORY HEARING SERVED COM THE COURT FOR SHOT	Boring backfilled with heat cement to ground surface
6— G-13 (5)		Hand augered to reet bgs.
8 10- 6-13 (10)		
12— Bottom	m of boring at 12 feet bgs.	
14-		Page

JOB NUMBER: DG26145G.4CT1

Gettler-Ryan, Inc.	Log of Boring G-14	
	LOCATION: 800 Center Street, Oakland	l, California
ECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION:	
ROJECT NO. : D626145G.4CT1	WL (ft. bgs): DATE: TIM	
STARTED: 06/21/02	WL (ft. bgs): DATE: TIM	<u> E:</u>
FINISHED: 06/21/02	TOTAL DEPTH: 12 feet	
LING METHOD: 2 in. Geoprobe	GEOLOGIST: Andrew Smith	
pm) E NUMBER LIC LOG CLASS	GEOLOGIC DESCRIPTION	REMARKS
G-14 (5)	SAND WITH SILT (SP-SM) - strong brown, loose; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface. Hand augered to feet bgs.
10— G-14 (10) Bottom of 1	boring at 12 feet bgs.	Page

Gettler-Ryan, Inc.	•	Log of Boring G-	
		LOCATION: 800 Center Street, Oakland,	California
OJECT: Former Chevron Service Sta	111011 140. 20 07.12	SURFACE ELEVATION:	
PROJECT NO.: DG28145G.4CT1		WL (ft. bgs): DATE: TIME	
TE STARTED: 06/21/02		WL (ft. bgs): DATE: TIME	E:
TE FINISHED: 06/21/02		TOTAL DEPTH: 12 feet	
RILLING METHOD: 2 in. Geoprobe		GEOLOGIST: Andrew Smith	
SAMPLE NUMBER SAMPLE NUMBER SAMPLE INT. SAMPLE INT. GRAPHIC LOG SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS
SAMPL SAMPL GRAPL SOIL	Grass, top soll, deb	oirs and trace brick.	
2-	POORLY GRADED S 3/3), moist, medlum	AND WITH SILT (SP-SM) - dark brown (7.5YR dense; 90% fine sand, 10% slit.	Boring backfilled with neat cement to ground surface.
4- G-15 (5)		light olive brown (2.5Y 4/3).	Hand augered to feet bgs.
8- 10- G-15 (10)	75% fine sand.		
12	Bottom of bo	ring at 12 feet bgs.	

JOB NUMBER: DG26145G.4CT1

	Log of Boring G-	16
Gettler-Ryan, Inc.	LOCATION: 800 Center Street, Oakland,	California
muica Station No. 20-6145	LOCATION: BOO CENTER SOUR	
OJECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION: TIME	
PROJECT NO.: DG20,430,11	WL (III, Dgs).	
TE STARTED: 06/21/02	WL (ft. bgs): DATE: TOTAL DEPTH: 12 feet	
ATE FINISHED: 06/21/02	GEOLOGIST: Andrew Smith	
RILLING METHOD: 2 in. Geoprobe RILLING COMPANY: Gregg Drilling	OLOCO	
RILLING		REMARKS
E INT.	GEOLOGIC DESCRIPTION	1
(feet) SAMPLE NUMBER SAMPLE INT. SAMPLE INT. GRAPHIC LOG AS-AS-AS-AS-AS-AS-AS-AS-AS-AS-AS-AS-AS-A		
E (3) OCI SP-SM PCORLY GRADED	SAND WITH SILT (SP-SM) - strong brown, loose; 90% fine sand, 10% sllt.	1
SP-SM POORLY GRADED (7.5YR 5/6), dry	loose; 90% fine sand, 10% sitt.	Boring backfilled
	•	with neat cement to ground surface.
		Hand augered to 5
		feet bgs.
G-16 (5)		
		1
8-		
	•	
10-1 1111111111111111111111111111111111		
6-16 (10)		
Bottom	of boring at 12 feet bgs.	
12-		\
		Pa

Gettler-Ryan, Inc.		Log of Boring G-18		
		LOCATION: 800 Center Street, Oakland, California		
ECT: Former Chevron Service Sta	HOLL TO LO ST.	SURFACE ELEVATION:		
ROJECT NO.: DG26145G.4CT1		WL (ft. bgs); DATE: TI	ME:	
E STARTED: 06/21/02		WL (ft. Dgs).	ME:	
E FINISHED: 06/21/02		TOTAL DEPTH: 12 feet		
LING METHOD: 2 in. Geoprobe		GEOLOGIST: Andrew Smith		
pm) E NUMBER E INT. IIC LOG		GEOLOGIC DESCRIPTION	REMARKS	
9-18 (9) SAMPL SAM		AND WITH SILT (SP-SM) - strong brown pose; 90% fine sand, 10% sllt.	Boring backfilled with neat cement to ground surface. Hand augered to feet bgs.	
8 10- 6-18 (10)		to strong brown (7.5YR 5/6),		

Gettler-Ryan, Inc.	Į.	Log of Boring G-19	
	20-6145 LOCATION: 800 Center Street, Oakla.	nd, California	
ECT: Former Chevron Service Station No	SURFACE ELEVATION:		
ROJECT NO.: DG26145G.4CT1	WL (ft. Dgs):	TIME:	
E STARTED: 06/21/02	WL (ft. Dgs):	rime:	
E FINISHED: 06/21/02	TOTAL DEPTH: 12 feet		
LING METHOD: 2 in. Geoprobe	GEOLOGIST: Andrew Smith		
E NUMBER E INT. HC LOG	GEOLOGIC DESCRIPTION	REMARKS	
Asph	alt - 2 inches thick. RLY GRADED SAND WITH SILT (SP-SM) - brown (7.5YR 5/3), t, loose; 90% fine sand, 10% sllt.	Boring backfilled with neat cement to ground surface.	
4- SM SII de	TY SAND (SM) – reddish brown (5YR 5/3), moist, medium nse; 75% fine sand, 25% silt.	Hand augered to feet bgs.	
8- 10- G-19 (10)	Bottom of boring at 12 feet bgs,		
12-	Dation of points at a read of		

	Log of Boring G-2	0
Gettler-Ryan, Inc.	LOCATION: 800 Center Street, Oakland, C.	alifornia
Gettlei 11, 20-6145	LOCATION: 800 Center Streets	
ROJECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION: TIME:	
ROJECT: Former Chevion 33: 3R PROJECT NO.: DG26145G.4CT1 3R PROJECT NO.: 06/21/02	WL (M. DQS). TIME:	
GR PROJECT NO	W1 (ft. Dgs)-	
BATE STATED: 03/21/02	TOTAL DEPTH: 12 feet	
DATE PINISHED 2 in Geoprobe	GEOLOGIST: Andrew Smith	
DRILLING COMPANY: Gregg Drilling		REMARKS
DRILLING	GEOLOGIC DESCRIPTION	
SAMPLE NUMBER SAMPLE INT. GRAPHIC LOG SOIL CLASS SOIL CLASS	GEOFORIO DE L	
(ppm) (ppm) (ppm) (ppm) (ppm) (ppm)		\overline{A}
SO SAMPLE Sinche	s thick. 17 5YR 3/3), moist,	
Asphalt - 2 inche	ss thick. SAND (SP) - dark brown (7.5YR 3/3), moist, and, 5% silt.	Boring backfilled with neat cement with neat curface.
SP POORLY GRADED loose; 95% fine s	BUC' 2% 2111.	to ground surface.
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		1
		1 -1
		1
4-1 1 1 1 1		Hand augered to 5 - teet bgs.
		1
	(2.5Y 4/3).	1 -1
Color chang	ges to alive brown (2.5Y $4/3$).	
G-20 (5)		\
6-		
	nges to dark brown (7.5YR 3/3).	
Color char	ages to derive	-
8-		
		1
>1000		
		1
10- G-20 (10)		
	at 12 feet bgs.	
Botto	om of boring at 12 feet bgs.	√
12-		
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Gettler-Ryan, Inc.		Log of Boring G-	
	- No. 20-6145	LOCATION: 800 Center Street, Oakland,	California
OJECT: Former Chevron Service Statio	11 140. 20 0115	SUBFACE ELEVATION:	
PROJECT NO.: DG26145G.4CT1		WL (ft. bgs): DATE: TIME	
ATE STARTED: 06/21/02		WL (ft. bgs): DATE.	
ATE FINISHED: 03/21/02 RILLING METHOD: 2 in. Geoprobe		TOTAL DEPTH: 12 feet	
RILLING METHOD. 2 11. Occup.		GEOLOGIST: Andrew Smith	
pm) E NUMBER A1C LOG		GEOLOGIC DESCRIPTION	REMARKS
SAMPL SAMPL SAMPL SAMPL GRAPL	Asphalt - 2 inches POORLY GRADED S medium dense; 90%	thick. AND (SP) - strong brown (7.5YR 5/8), moist, fine sand, 10% silt.	Boring backfilled with neat coment to ground surface.
2- 4- 6-21 (5) 8- 10- 6-21 (10)	Battom of ba	oring at 12 feet bgs.	Hand augered to 5 feet bgs.

	Log of Boring G-22	
Gettler-Ryan, Inc.	LOCATION: 800 Center Street, Oakland, Cal	lifornia
GETTIG: 20-6145	LOCATION: 800 Center Street,	
ECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION: TIME:	
ROJECT NO.: DG26145G.4CT1	WL (ft. Dgs). TIME:	
ROJECT NO	WI (ft. Dgs).	
E 31 A. 1997 1/02	TOTAL DEPTH: If feet	
	GEOLOGIST: Andrew Smith	
LLING COMPANY: Gregg Drilling		REMARKS
LOG ASS	GEOLOGIC DESCRIPTION	
SOIL CL		Boring backfilled
SAMPI CONTROL TOP SOIL		with heat cellione
	moiet loose;	L Hand augered to
	r (SP-SM) - dark brown (7.5YR 3/3), moist, loose; 0% silt.	teet bgs.
SP-SM SAND WITH SILV	ox silt.	1
90% file suite		<u>}</u>
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2-1		
		1
6-22 (3.5)		1
- 18-22 (811)		1
		1
4-1	The superior of the superior o	
	CAND (SP) - strong brown (7.548 570)	1
SP POORLY GRA	DED SAND (SP) - strong brown (7.5YR 5/6), molst, e; 95% fine sand, 5% silt.	1
A (median seri	•	\
G-22 (5)		1
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0 18 6-22 (7.5)	anges to olive brown (2.5Y 4/3).	1
8-18 Color che	BURGS to any	1
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	# foot bos.	
Rotton	m of boring at 11 feet bgs.	1
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Gettler-Ryan, Inc.	Log of Boring G-23	lifornia
UE (116) 11, 20-6145	LOCATION: 800 Center Street,	
NECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION: TIME:	
PROJECT NO.: DOZUM	WL (ft. Dgs). TIME:	
TE STARTEU: OD/2//	WL (ft. Dgs).	
TE FINISHED: 06/21/02	TOTAL DEPTH: II feet GEOLOGIST: Andrew Smith	
NETHON: 2 M. DOOP	GEOLOGIST. ALLE	
AILLING COMPANY: Gregg Drilling		REMARKS
(ppm) PLE NUMBE APHIC LOG APHIC LOS	GEOLOGIC DESCRIPTION	Boring backfilled
Top soil. SM SILTY SAND (SM fine sand, 25% sil	i) – grayish brown (10YR 5/2), moist, loose; 75% lt.	with neat cement to ground surface. Hand augered to I feet bgs.
6-23 (5)		
B- G-23 (7.5) SP POORLY SI medium de Color chai	RADED SAND (SP) - strong brown (7.5YR 5/6), moist inse; 95% fine sand, 5% silt. inges to olive brown (2.5Y 4/3).	
10— G-23 (10) Bottom	of boring at 11 feet bgs.	

Gettler-Ryan, Inc.						Log of Boring G-24			
PROJE	ECT:	Former Ch	evron S	ervice S	tation No. 20-6145	LOCATION: 800 Center Street, Oa	akland, C	alifornia	
GR PF	ROJEC	T NO.: D	G26145I.	4CTI		SURFACE ELEVATION:			
DATE	STAI	RTED: 01/	29/03			WL (ft. bgs): 13 DATE: 01/29/03	TIME:	07:40	
DATE	FINI	SHED: 01,	/29/03			WL (ft. bgs): DATE:	TIME:		
DRIL	LING I	METHOD:	2 in. Ged	probe -	- Direct Push	TOTAL DEPTH: 16 feet			
DRIL	LING	COMPANY:	Gregg	Drilling		GEOLOGIST: Andrew Smith			
DЕРТН (feet)	(mdd) Oid	BER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS	6	SEOLOGIC DESCRIPTION		REMARKS	
3-	a	S		SP-SM	POORLY GRADED SAN 3/3), moist, loose; 90%	D WITH SILT (SP-SM) - dark brown (7.5° 6 fine sand, 10% silt.	Ϋ́R	Boring backfilled with neat cement to ground surface.	
6-	0	6-24 (5)		SP	POORLY GRADED SAN medium dense; 95% fil	ID (SP) – strong brown (7.5YR 5/8), mois ne sand, 5% silt.	t,	- -	
9-		G-24 (8)							
12-	0	G-24 (10)	† - -					_	
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15	1.7	G-24 (15)			Bottom of boring at	16 feet bos		_	
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18									
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Gettler-Ryan, Inc.	Log of Boring G-25
JECT: Former Chevron Service Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California
PROJECT NO. : <i>DG28145I.4CT1</i>	SURFACE ELEVATION:
E STARTED: 01/29/03	WL (ft. bgs): 14.5 DATE: 01/29/03 TIME: 08:10
TE FINISHED: 01/29/03	WL (ft. bgs): DATE: TIME:
LLING METHOD: 2 in. Geoprobe - Direct Push	TOTAL DEPTH: 16 feet
LLING COMPANY: Gregg Drilling	GEOLOGIST: Andrew Smith
(ppm) PLE NUMBER PLE INT. PHIC LOG	GEOLOGIC DESCRIPTION REMARKS
	4 GRAVEL (SM) - dark brown (7.5YR 3/3), moist,
medium dense; 65	% fine sand, 20% silt, 15% gravel.
POORLY GRADED	SAND WITH SILT (SP-SM) - dark brown (7.5YR to ground surface. m dense; 90% fine sand, 10% slit.
3/3), moist, mediu	ill delise, 90% line sand, 10% sint.
14.5 G-25 (5)	
Color changes to	strong brown (7.5YR 5/6).
9-1 1-12111	
520 G-25 (10)	
2-	
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15-	
332 G-25 (15)	
Bottom of bori	ng at 16 feet bgs.
18-	
ZI	Page 1

Gettler-Ryan, Inc.						С.	Log of Boring G-26			
PROJ	ECT:	Former Ch	evro	on Se	rvice S	itation No. 20-6145	LOCATION: 800 Center Street, Oa	kland, California	_	
GR PI	ROJEC	T NO.: <i>D</i>	G26	1451.4	1CT1		SURFACE ELEVATION:	 	7	
DATE	STAF	RTED: 01/	29/	03			WL (ft. bgs): 12 DATE: 01/29/03	TIME: 08:25		
DATE	FINI	SHED: 01,	/29/	′03			WL (ft. bgs): DATE:	TIME:		
DRIL	LING N	ÆTHOD:	2 in.	Geo	orobe -	- Direct Push	TOTAL DEPTH: 16 feet			
DRIL	LING	COMPANY:	Gre	egg D	rilling		GEOLOGIST: Andrew Smith			
	•	SER.							\neg	
		SAMPLE NUMBER	Ε	GRAPHIC LOG	SS					
т.	PIO (ppm)	- - -	SAMPLE INT.	월	SOIL CLASS	(EOLOGIC DESCRIPTION	REMARKS	ŀ	
DEPTH (feet)) <u>a</u>	MPI	MP.	₹AP	벌				1	
==	<u>-</u>	Ŝ	ις (γ	<u> </u>	SP	BOODI A CDADED CYNI	3 (SP) - dark brown (7.5YR 3/3), moist,	· · ·	\dashv	
					١ '	medium dense; 95% fin	e sand, 5% silt.	Boring backfilled with neat cement		
]			to ground surface		
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	-					Color changes to dar	k brown (7.5YR 3/3),			
•	0	G-26 (5)				•			1	
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	-	G-26 (8)	1			•				
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1	Ó	G-26 (10)			•					
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.,			ı			© Color changes to gro	eenish gray (5GY 4/1).			
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13.	1.7	G-26 (15	,		:					
15	1"	0-20 (10)	' -						_	
l										
						Bottom of boring at	16 feet bgs.			
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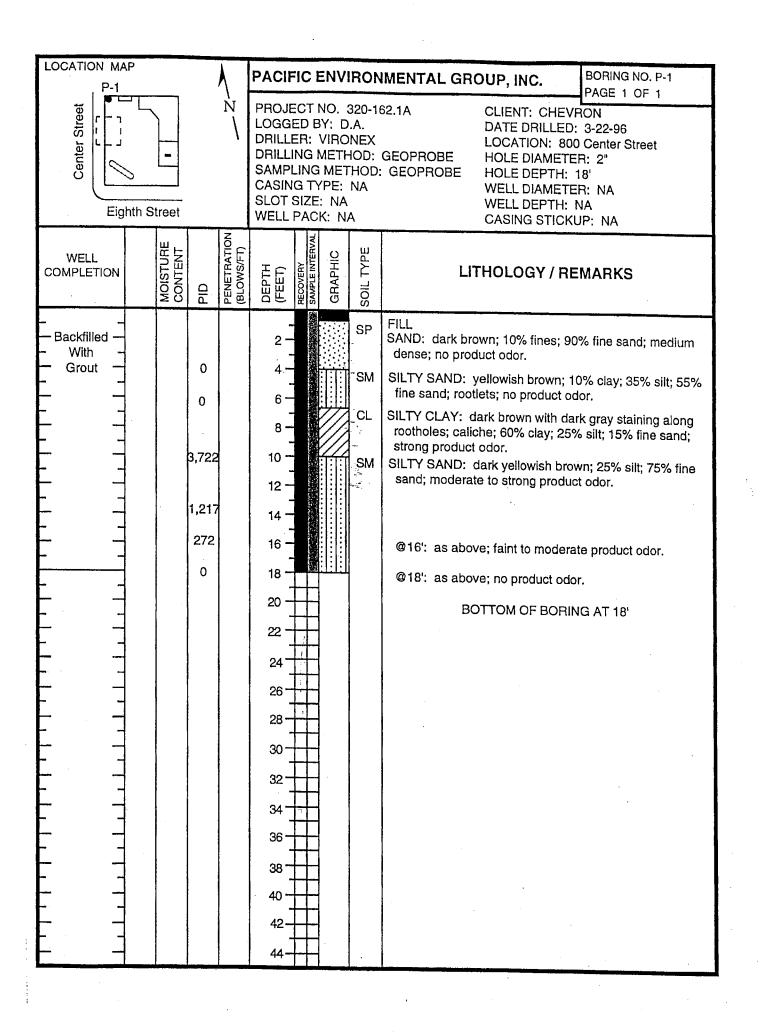
TE STARTED: 01/29/03 IE, INTSHED: 01/29/03	Gettler-Ryan, Inc.	Log of Boring G-27
TE STARTED: 01/29/03 NL (ft. bgs): 13 DATE: 01/29/03 TIME: 08:30 TE FINISHED: 01/29/03 NL (ft. bgs): 0ATE: TIME: 1LLING METHOD: 2 in. Geoprobe – Direct Push TOTAL DEPTH: 16 feet ILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith GEOLOGIC DESCRIPTION REMARKS. 1	OJECT: Former Chevron Service Station No. 20	0-6145 LOCATION: 800 Center Street, Oakland, California
TE FINISHED: 01/29/03 NL (11.bgs): DATE: TIME:	PROJECT NO.: DG261451.4CT1	SURFACE ELEVATION:
TE FINISHED: 01/29/03 NL. (tt. bga): DATE: TIME: TIME: TIME: TIME: TIME: TIME: TIME: TIME: TIME: TIME: TIME: TIM	TE STARTED: 01/29/03	WL (ft. bgs): 13 DATE: 01/29/03 TIME: 08:30
ILLING ECHPANY: Geograph		WL (ft. bgs); DATE: TIME:
11 11 12 13 14 15 15 15 15 16 16 16 16		TOTAL DEPTH: 16 feet
Section Sect		
SP-SM PORRY GRADED SAND NTH SILT (SP-SM) - dark brown (7.5YR 3/3), molst, medium dense; 90% fine sand, 10% silt. Boring backfilled with neat camping to grown (7.5YR 5/6).		
SP-SM PORRY GRADED SAND NTH SILT (SP-SM) - dark brown (7.5YR 3/3), molst, medium dense; 90% fine sand, 10% silt. Boring backfilled with neat camping to grown (7.5YR 5/6).	S	
SP-SM PORRY GRADED SAND NTH SILT (SP-SM) - dark brown (7.5YR 3/3), molst, medium dense; 90% fine sand, 10% silt. Boring backfilled with neat camping to grown (7.5YR 5/6).	T C L IN C C L IN C C C C C C C C C C C C C C C C C C	GEOLOGIC DESCRIPTION REMARKS
SP-SM PORRY GRADED SAND NTH SILT (SP-SM) - dark brown (7.5YR 3/3), molst, medium dense; 90% fine sand, 10% silt. Boring backfilled with neat camping to grown (7.5YR 5/6).		
SP-SM PORRY GRADED SAND NTH SILT (SP-SM) - dark brown (7.5YR 3/3), molst, medium dense; 90% fine sand, 10% silt. Boring backfilled with neat camping to grown (7.5YR 5/6).	SOI SAM SAM	
Color changes to strong brown (7.5YR 5/8). 9- 35	POORLY G	t, medium dense; 90% fine sand, 10% silt.
Color changes to strong brown (7.5YR 5/8). 9- 35		
Color changes to strong brown (7.5YR 5/8). 9- 35		
Color changes to strong brown (7.5YR 5/8). 9- 35	3	
6-0 G-27 (5) 9-35 G-27 (10) 12-135 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	~	
6- 9- 35 G-27 (10) 12- 135 6-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	- Color cha	inges to strong brown (7.5YR 5/6).
9- 35 6-27 (10) 12- 15- 300 6-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.		
9- 35 6-27 (10) 12- 15- 300 6-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.		
35 G-27 (10) 12- 135 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	0 G-27 (5)	
35 G-27 (10) 12- 15 300 G-27 (14) 15 Bottom of boring at 16 feet bgs.	6- 	
35 G-27 (10) 12- 15 300 G-27 (14) 15 Bottom of boring at 16 feet bgs.		
35 G-27 (10) 136 137 138 138 139 1300 1300 1300 1300 1300 1300 1300		
35 G-27 (10) 136 137 138 138 139 1300 1300 1300 1300 1300 1300 1300		
35 G-27 (10) 12- 15 300 G-27 (14) 15 Bottom of boring at 16 feet bgs.		
35 G-27 (10) 136 137 138 138 139 1300 1300 1300 1300 1300 1300 1300		
12— 135 15— 300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/I). Bottom of boring at 16 feet bgs.		
12— 135 15— 300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/I). Bottom of boring at 16 feet bgs.		
12— 300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	35 G-27 (10)	
12— 300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.		
15—300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	135	
15—300 G-27 (14) G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	12-	
6-27 (14) 6-27 (15) Bottom of boring at 16 feet bgs.		
15— 300 G-27 (15) — Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	_ ■	
15— 300 G-27 (15) — Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.		
15 300 G-27 (15) Color changes to greenish gray (5GY 4/1). Bottom of boring at 16 feet bgs.	G-27 (14)	
300 G-27 (15) Bottom of boring at 16 feet bgs.		teres to grappish gravi (EGV 4/0)
18-	300 G-27 (15) (3)	
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Gettler-Ryan, Inc.				n, In	c.	Log of Boring G-28			
PRO	JECT:	Former C	hevr	on Se	ervice S	Station No. 20-6145	LOCATION: 800 Center Street, Oa	kland, C	alifornia
GR F	ROJEC	T NO.: <i>L</i>)G26	1451.4	4CT1		SURFACE ELEVATION:	٠.	
DAT	E STÁI	RTED: 01	/29/	03			WL (ft. bgs): 13 DATE: 01/29/03	TIME:	09:05
DAT	E FINI	SHED: 0	1/29/	<i>'03</i>			WL (ft. bgs); DATE:	TIME:	
DRII	LLING	METHOD:	2 in.	Geo	probe :	- Direct Push	TOTAL DEPTH: 16 feet		
DRI	LLING	COMPANY:	Gre	egg C	Drilling		GEOLOGIST: Andrew Smith		
	(mdd)	SAMPLE NUMBER	INT	GRAPHIC LOG	LASS		SEOLOGIC DESCRIPTION		REMARKS
DEPTH (feet)	PID (p	SAMPLE	SAMPLE INT	3RAPH]	SOIL CLASS				
-		- 0,			SP	POORLY GRADED SANG medium dense; 95% fin	O (SP) - strong brown (7.5YR 5/6), moist, e sand, 5% silt.		Boring backfilled
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'					SP-SM	(7.5YR 5/6), wet, de	ND WITH SILT (SP-SM) - strong brown nse; 90% fine to medium sand, 10% silt.		
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15	150	G-28 (15	5)						
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1						Bottom of boring at	io reet bgs.		
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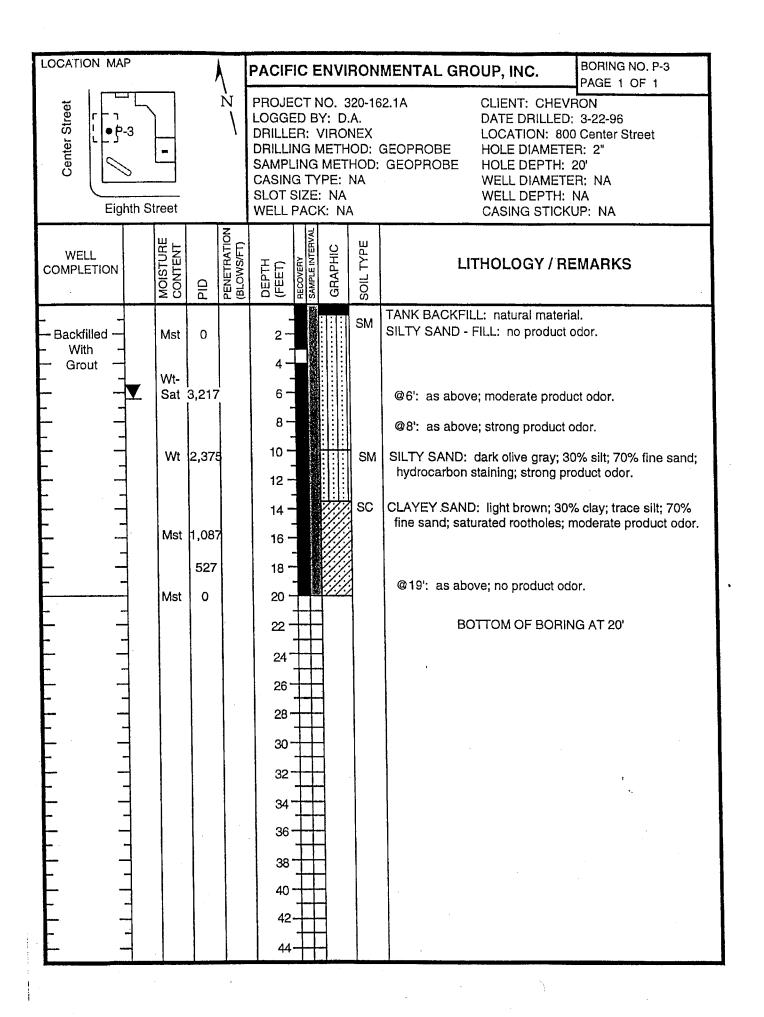
JOB NUMBER: DG261451.4CT1

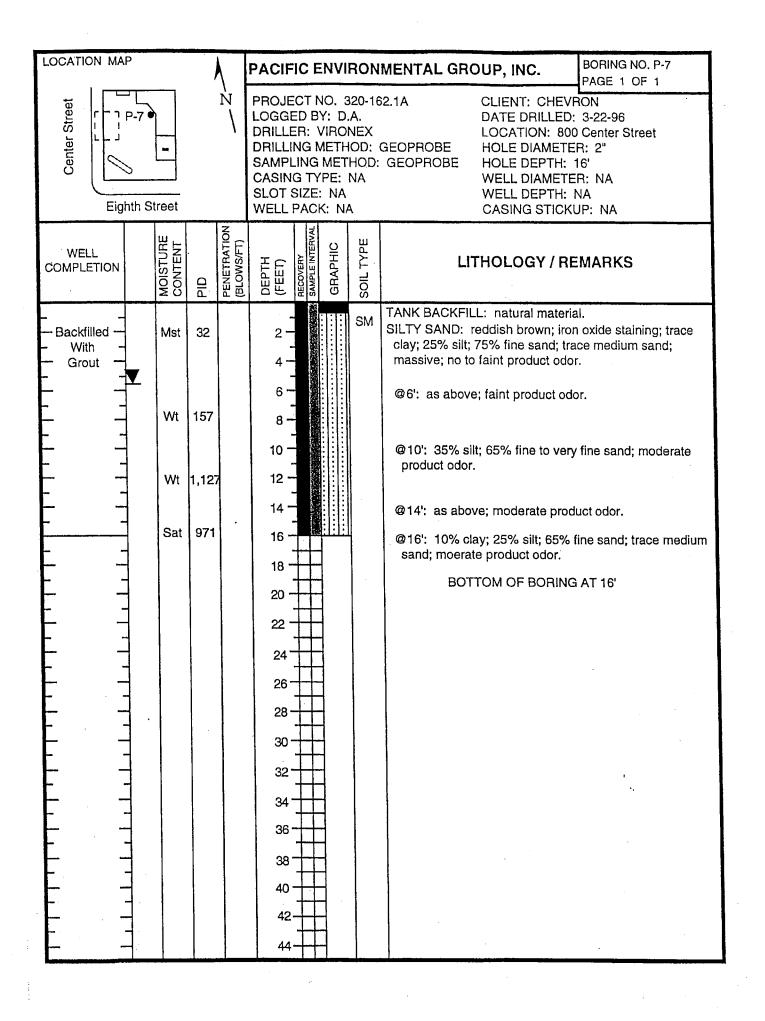
Gettler-Ryan, Inc.						C.	Log of Boring G-29			
PROJE	CT:	Former Cl	hevro	n Ser	vice 5	tation No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
GR PR				451.4			SURFACE ELEVATION:			
DATE			/29/0				WL (ft. bgs): 12.5 DATE: 01/29/03 TIME: 09:45			
		HED: 01					WL (ft. bgs): DATE: TIME:			
					robe -	- Direct Push	TOTAL DEPTH: 16 feet			
		OMPANY:				B., 501. 1 Co.,	GEOLOGIST: Andrew Smith			
DUTLE	ING C		I	gg Di	ining _	<u> </u>	OLOGO CONTRACTOR CONTR			
		SAMPLE NUMBEF	<u>.</u> :	පු 🗀	φ.					
	(mdd)	ž	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	•	GEOLOGIC DESCRIPTION REMARKS			
et (_ =	(PLE	#PLE	됩	L C					
DEPTH (feet)	E	SAN	SAN	GR/		•				
		-			SP	POORLY GRADED SAN medium dense; 95% fi	D (SP) - strong brown (7.5YR 5/6). moist, Boring backfilled			
4						medium dense, 85% ii	with neat cement to ground surface.			
ļ	.									
. 3-	.]									
	.				-					
.]					1					
					ľ					
.	0 -	G-29 (5)								
6-					.		-			
		•								
4										
	·				- '					
9-							_			
9-										
_										
	119	G-29 (10)								
-		1	· 📳 🛉		SW	WFII-GRADED SAN	D (SW) - strong brown (7.5YR 5/6). moist,			
							coarse sand, 5% sllt.			
12-	1	* .				∇				
].				SP	POORLY GRADED S. dense; 95% fine sa	AND (SP) - strong brown (7.5YR 5/6), wet,			
· •	1					dense; 95% fine sa	na, oz siit.			
	4				ļ					
			- 🔠							
15-	289	G-29 (15	5)	.						
ł	1 .									
1	1	1		12.2.2		Bottom of boring a	it 16 feet bgs.			
	1	.]								
1	1		.]	1						
18-	<u>.</u>	-	_	1						
10.	1 .	1				1				
1	4			-						
			1	1						
1	4	1		1						
			1							
1 21	\dashv				1		Page 1 o			

Gettler-Ryan, Inc.						C.	Log of Boring G-30			
PROJ	ECT:	Former C	hevr	on Se	ervice S	Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
GR PI	ROJEC	Γ NO.: <i>L</i>)G26	1451.	4CTI		SURFACE ELEVATION:			
DATE	STAR	TED: 01	/29/	<i>'03</i>			WL (ft. bgs): 14 DATE: 01/29/03 TIME: 09:55			
DATE	FINIS	SHED: O	1/29,	/03			WL (ft. bgs); DATE: TIME:			
ORIL	LING M	ETHOD:	2 in	. Geo	probe -	- Direct Push	TOTAL DEPTH: 16 feet			
		OMPANY:					GEOLOGIST: Andrew Smith			
					T					
	•	SAMPLE NUMBER	Ļ	90	်ပ္က	•				
	PIO (ppm)	· Z W	SAMPLE INT	GRAPHIC LOG	SOIL CLASS	6	GEOLOGIC DESCRIPTION REMARKS			
DEPTH (feet)	9	MPL.]	PH I	2					
田光	PIC	SAI	SAI	GR,						
	'				SP	POORLY GRADED SAN medium dense; 95% fin	C (SP) - strong brown (7.5YR 5/6), molst, e sand. 5% silt. Boring backfilled			
_						medium dense, 95% im	with neat cement to ground surface.			
							to ground surface.			
-	-						taran da arawa da ar			
					.	Trace gravel.				
3-						• • • • • • • • • • • • • • • • • • • •	-			
	İ				1					
-					İ	• •				
					ļ					
	0	G-30 (5)								
6-		0 00 (0)								
0-]									
					1. 1					
	71				*					
9-	┨.	[H		. 1					
] •								
	280	G-30 (10)								
	200	6-30 (10,								
	1									
12-	_									
. 12					SP-SM	POORLY GRADED SAI	ND WITH SILT (SP-SM) - strong brown			
	4					(7,51h 5/0), Illoist, C	lense; 90% fine to medium sand, 10% silt.			
				::	1					
	4		П		1	Ţ				
					1					
15-	350	G-30 (15)	1::]]	Color changes to gr	eenish gray (5GY 4/1).			
	'									
	1			1-1-1	_	Bottom of boring at	16 feet bgs.			
	1 .		1							
	7			1						
18					,					
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	1	•		1						
	. .	1.00	-	1						
•	4 .			4						
		1								
21	-4		-							



PACIFIC ENVIRONMENTAL GROUP, INC. BORINGO, P.2 PAGE 1 OF 1 PAGE 1	LOCATION MAP	PACIFIC ENVIRONMENTAL GROUP INC BORING NO. P-2
Backfilled	Center Street Eighth Street	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 CLIENT: CHEVRON DATE DRILLED: 3-22-96 LOCATION: 800 Center Street HOLE DIAMETER: 2" HOLE DEPTH: 12' WELL DIAMETER: NA WELL DEPTH: NA
Backfilled With With Grout With 3,770 6	DO NO STURE CONTENT PID PID PENETRATION (BLOWS/FT)	(FEET) RECOVERY SAMPLE INTERVAL GRAPHIC SOIL TYPE SOIL TYPE
■	Mst 0 With	SM ASPHALT FILL SILTY SAND: dark brown; 25% silt; 75% fine sand; trace medium sand; no product odor. 8- 10- 12- 14- 16- 18- 18- 20- 22- 24- 26- 28- 30- 32- 34- 36- 38- 40- 41- 41- 5- SM ASPHALT FILL SILTY SAND: dark brown; 25% silt; 75% fine sand; trace medium sand; moderate product odor. @ 8': 35% silt; 65% fine sand; trace medium sand; moderate product odor. @ 12': as above; 10% clay; 35% silt; 60% fine sand; moderate product odor. BOTTOM OF BORING AT 12' BOTTOM OF BORING AT 12' 18- 19- 20- 21- 22- 24- 26- 28- 30- 31- 31- 32- 34- 36- 38- 40- 42- 41- 42- 41- 42- 42- 43- 43- 44- 44- 44- 44- 44- 44- 44- 44





Drilling Log

GROUNDWATER
TECHNOLOGY

Soil Boring SB-1

roject <i>Si</i>	gnal 5080	0			Owner <u>CHV/USA</u> ject No. <u>020200105</u> Date drilled <u>10/17/95</u>	For Boring Location
	i ft	Tak	COMMENTS:			
Top of Ca	COMMENTS:					
a	t in	1.00	.]			
nasta as Ot	~ in	1 on	. \			
erut		Neat cen	nent		RIG/Core Type UME 33/3pinspoon	• 1
Drilling Co	mpany <u>Ba</u>	y Area Ex	pior.	M	tethod Hollow Stem Auger Permit # 65664 Log By Terry James	
Driller <u>Tin</u>	n Dunn Dv. F.K.Sir	monis		1	icense No. R.G. 4422	
Checked	By E					
ਦ ਾ	Q F	ver ver	oje D	Class.	Descrip	tion
Depth (ft.)	PID (mod)	وَ مَنْ	Graphic Log		(Color, Texture,	Structure)
		Sample ID Blow Count/ % Recovery	ō	uscs	Trace < 10%, Little 10% to 20%, Som	e 20% to 35%, And 35% to 50%
-						
2 -						1
† -		1				ļ
-0-		1	191911	-	Thin Asphalt	·
} -	1			1	Silty SAND with rubbish, brick fragments	
- 2 -	1			Fill	·	
]		199			·
		ii	M	-	-	
- 4 -	1	1			Clayey, silty, very fine SAND (10,30,60): ol	ive damp loose strong
† •	406	2			hydrocarbon odor.	ive, damp, 1003c, strong
- 6 -	406	SBI/5 8		SM	-	,
ļ .		1	1111	₩		•
- 8 -	4	ll l				
	1				Fine SAND: red-brown, wet, loose, strong	hydrocarbon odor.
[,_			عبلل		Y Groundwater encountered during drilling	
- 10 ·	781	16		∵∦sı	N D G G G	
t	1	SB1/10 21		:∦_	Fad of boring	
- 12	-				End of boring.	
ŀ	4	li li	I		(All percentages are approximate.)	
L 14	_	1		H		
	1	.		$\ $		
16				1		
- 16				$\ $		
t	1)				
- 18	-	1		1		
+	4		N.			
- 20) -	1	1			
	1					
	, ∦	1	i i			
- 22				-		
ţ	1		1			
- 24	4	I				

Drilling Log



Soil Boring SB-2

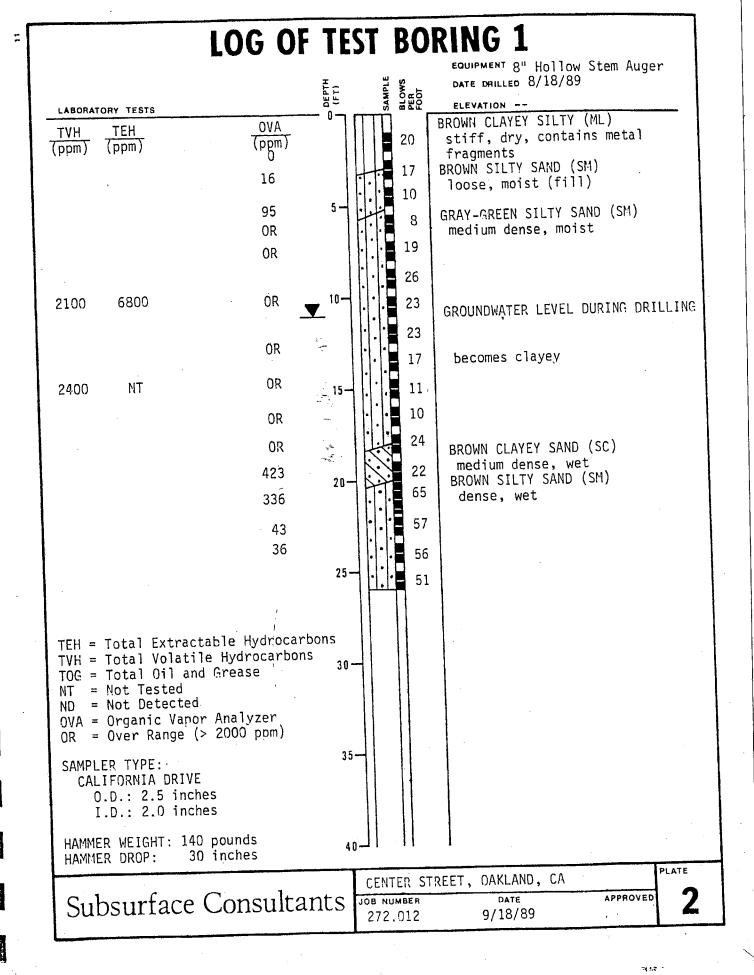
Description Source Substitute Subst	Project <u>Signal S0800</u> Owner <u>CHV/USA</u>	See Site Map For Boring Location
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50% Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50% Thin Asphalt Clayey, silty, very fine SAND (10,30,80); motited yellow-brown/ green-gray, dry, medium dense, strong hydrocarbon odor, trace root stems. Section 2. Section 2. Section 2. Section 3. Sec	Surface Elev Total Hole Depth	COMMENTS:
Thin Asphalt Thin Asphalt Clayey, silty, very fine SAND (10,30,80): mottled yellow-brown/ green-gray, dry, medium dense, strong hydrocarbon odor, trace root stems. Clayey, silty, very fine SAND (10,30,80): mottled yellow-brown/ green-gray, dry, medium dense, strong hydrocarbon odor, trace root stems. Clayey, silty, very fine SAND (10,30,80): mottled yellow-brown/ green-gray, dry, medium dense, strong hydrocarbon odor, trace root stems. Croundwater encountered during drilling Fine SAND: brown, wet, loose, strong hydrocarbon odor. End of boring. (All percentages are approximate.)	Descrip (Color, Texture Color, Texture Color, Texture Color, Texture Color, Texture Color, Texture Color, Texture	, Structure)
- 24 -	Thin Asphalt Thin Asphalt Clayey, silty, very fine SAND (10,30,60): ndry, medium dense, strong hydrocarbon of dry, medium dense, strong hydrocarbon of SB2/10 21 800 10 - 8 - 8 - 8 - 8 - 8 - 8 - 8 - 8 - 8 -	dor, trace root stems.

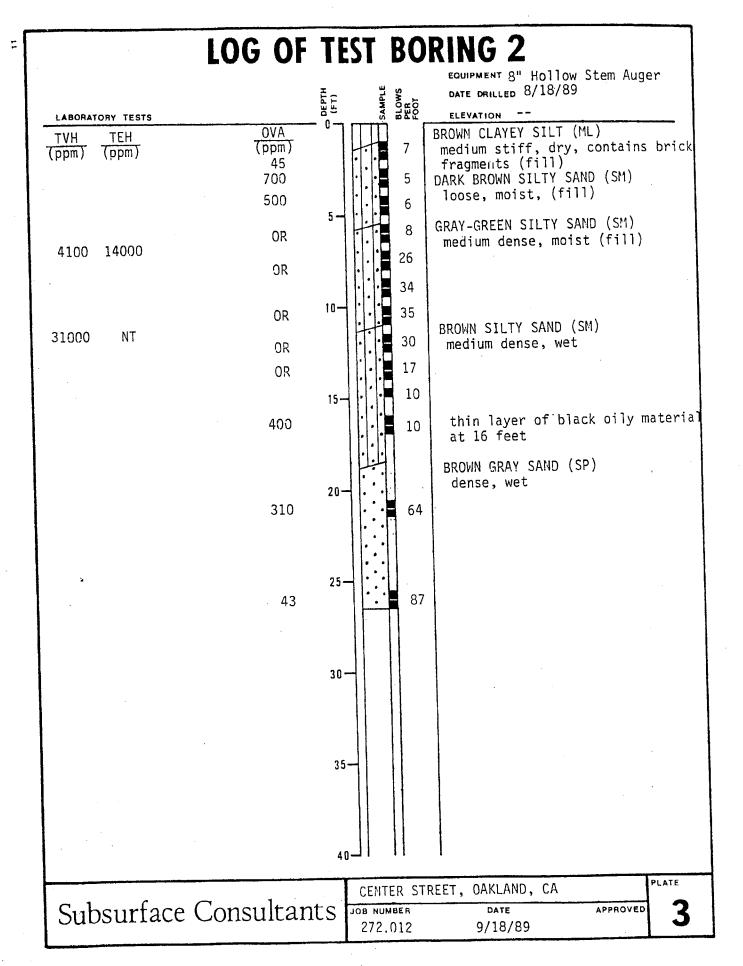
Drilling Log

GROUNDWATER
TECHNOLOGY

Soil Boring SB-3

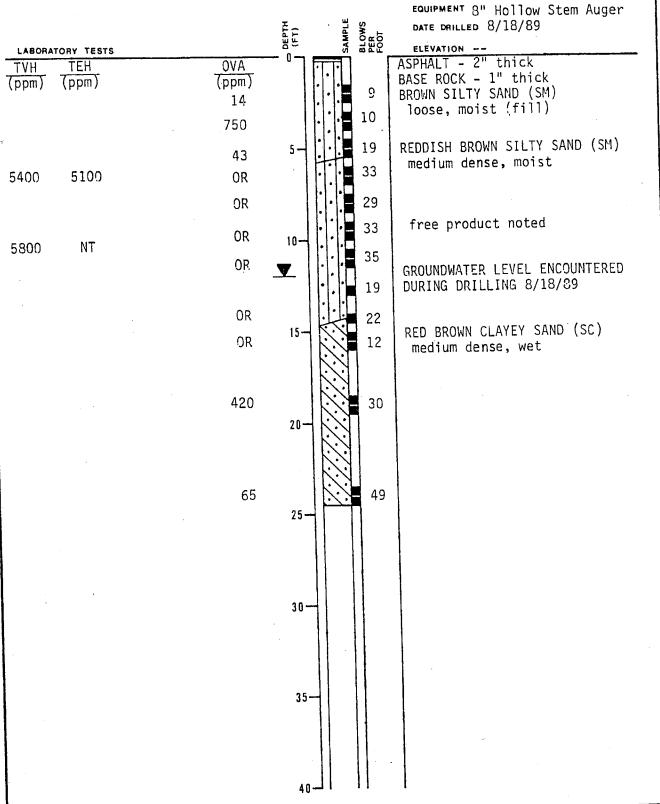
Surface Elev Tot Top of Casing Wat Screen: Dia in Ler Casing: Dia in Ler Filter Pack Material <u>Neat cel</u>	al Hole Depth er Level Initia igth —— ft. igth —— ft. ment —— Me	Rig/Core Type Hand Auger/ Impact Sampler ethod Hand Auger Permit # 65664 Log By Terry James
Depth (ft.) PID (ppm) Sample ID Blow Count/	Graphic Log USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2- -0- -2- -4- -6-3 -8- -10- -12- -14- -16- -18- -20- -22- -24-	SM SW	Thin Asphalt Silty, very fine SAND (40,60), light brown, dry, no hydrocarbon odor. Fine SAND:brown, moist, loose, faint hydrocarbon odor.





LOG OF TEST BORING 3 EQUIPMENT 8" Hollow Stem Auger DATE DRILLED 8/18/89 SAMPLE BLOWS PER FOOT ELEVATION LABORATORY TESTS CONCRETE - 6" thick OVA TEH TOG TVH (ppm) BRICK (ppm) (ppm) (mag) 2 BROWN SILTY SAND (SM) loose, moist, brick and concrete 7.2 4 fragments (fill) ND 3.5 5 -14 350 REDDISH-BROWN CLAYEY SAND (SC) 26 medium dense, moist 250 38 0R 10-34 ND 0R 100 28 GROUNDWATER LEVEL ENCOUNTERED 950 220 OR Y DURING DRILLING 8/18/89 OR 21 15-54 16 BROWN CLAYEY SAND (SC) 10 medium dense, wet 20-47 58 BROWN SILTY SAND (SM) dense, wet 25-66 0 30-35-PLATE CENTER STREET, OAKLAND, CA Subsurface Consultants JOB NUMBER DATE APPROVED 9/18/89 272.012

LOG OF TEST BORING 4



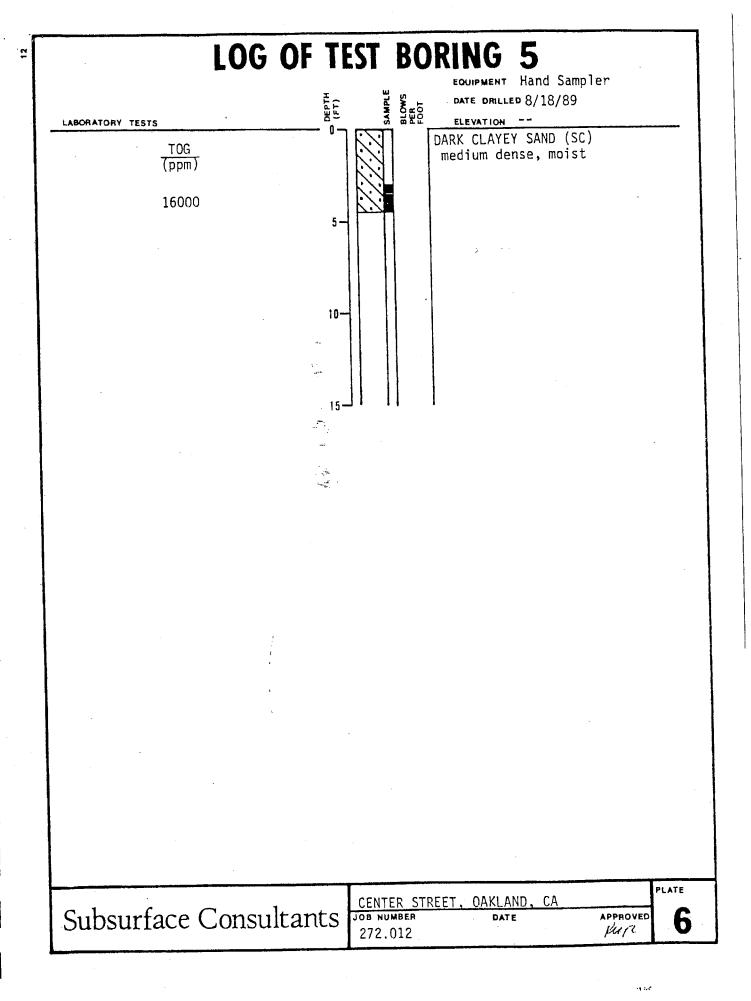
Subsurface Consultants

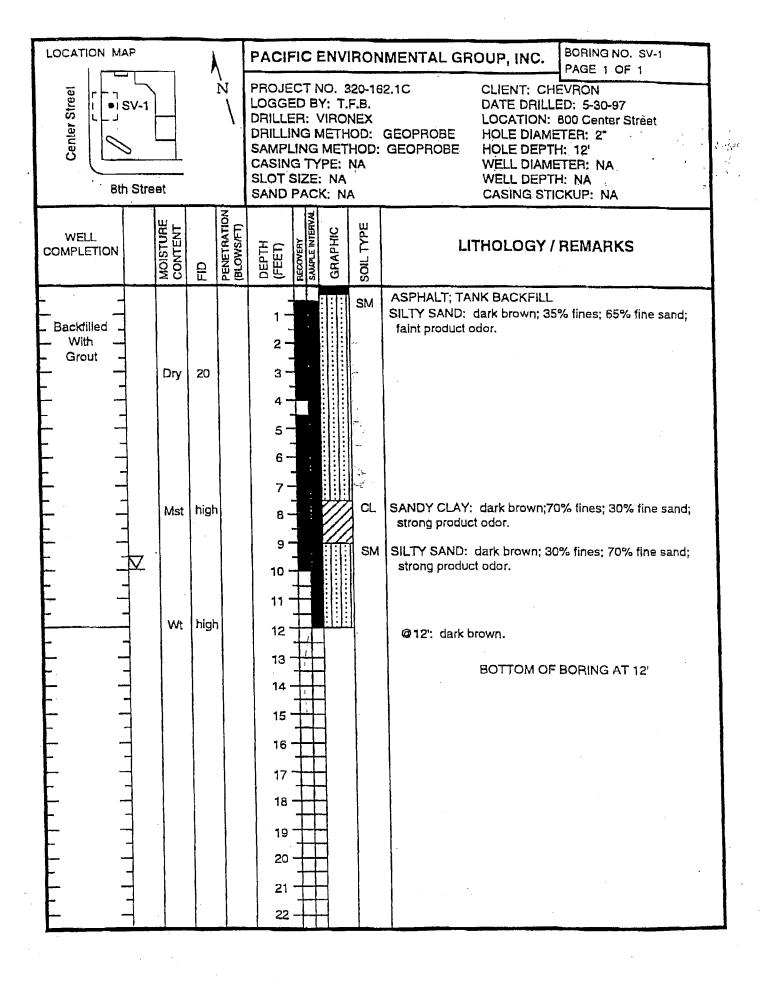
CENTER STREET, OAKLAND, CA

APPROVED JOB NUMBER DATE 272.012

9/18/89

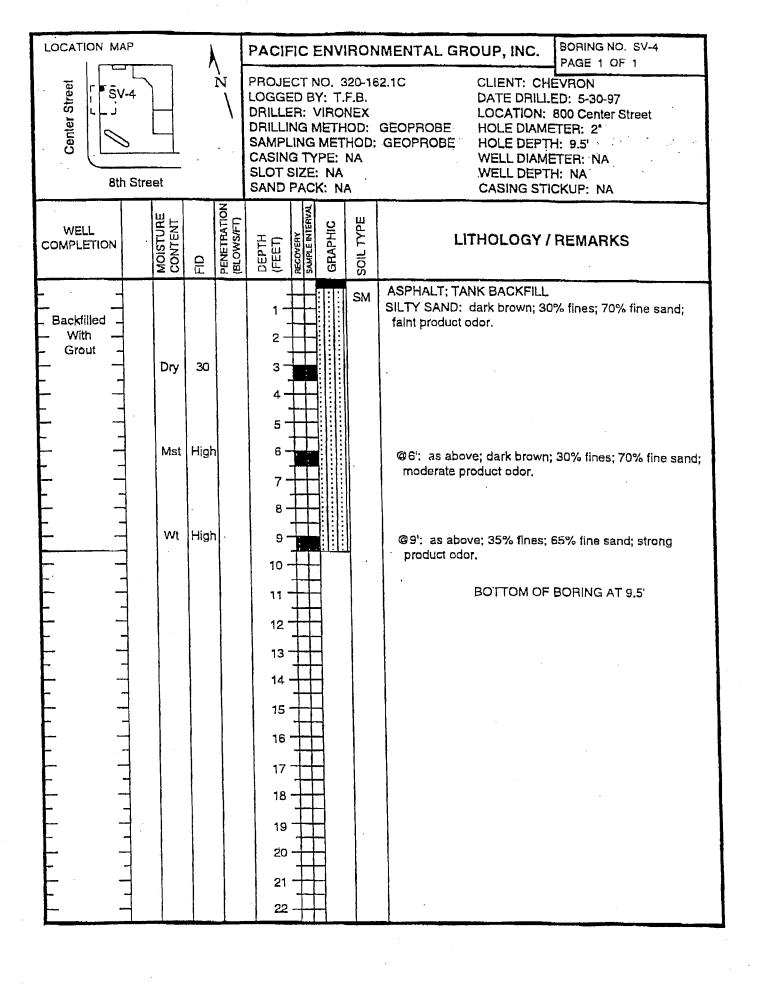
PLATE





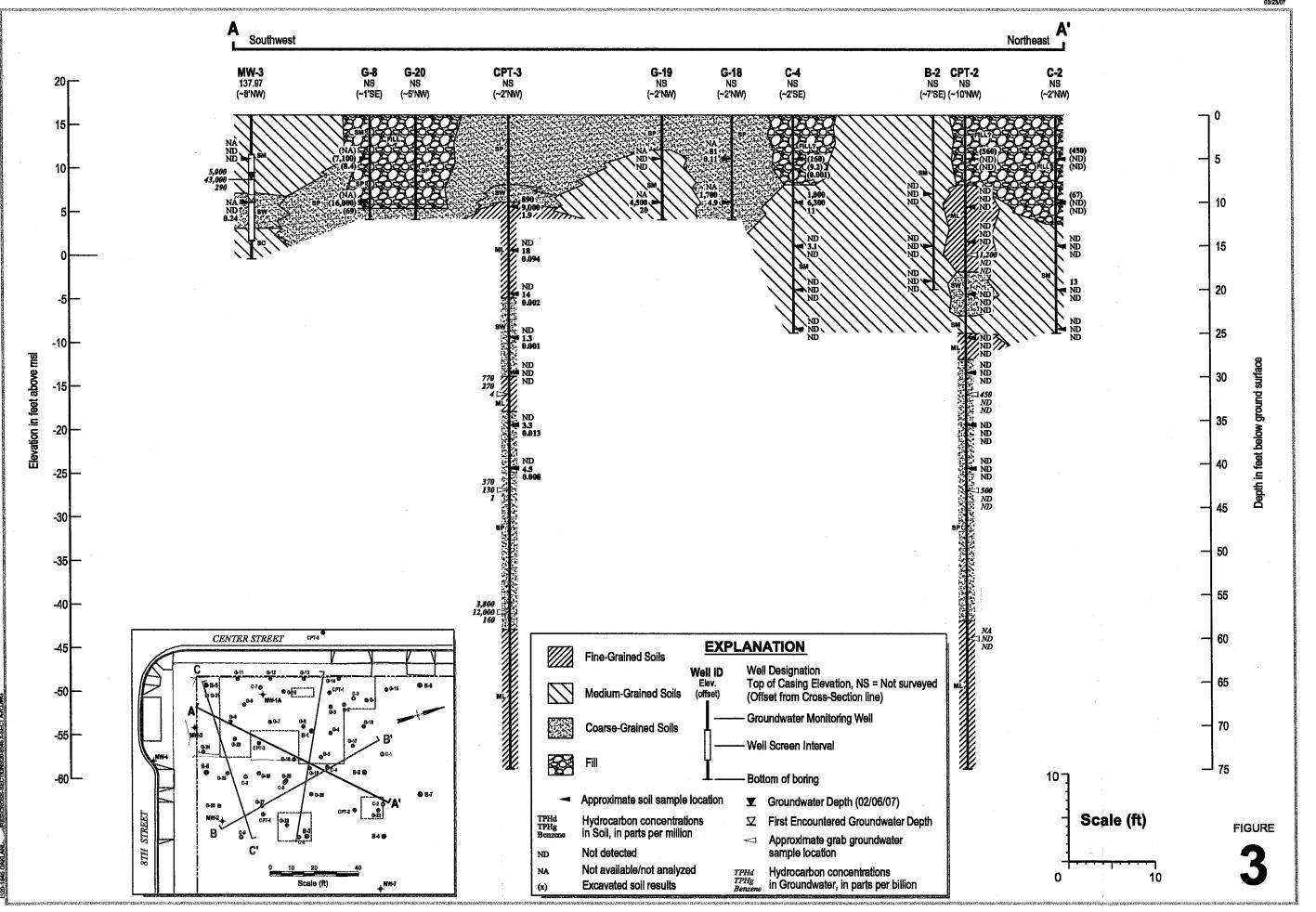
LOCATION MAP		λ .	PACIFIC EI	NVI	RON	IMENTAL GROUP, INC. BORING NO. SV-2 PAGE 1 OF 1	
Center Street		72/	PROJECT NO. 320-162.10 LOGGED BY: T.F.B. DRILLER: VIRONEX DRILLING METHOD: GEO SAMPLING METHOD: GEO CASING TYPE: NA SLOT SIZE: NA SAND PACK: NA			CLIENT: CHEVRON DATE DRILLED: 5-30-97 LOCATION: 800 Center Street GEOPROBE HOLE DIAMETER: 2"	
WELL COMPLETION	MOISTURE CONTENT FID	PENETRATION (BLOWS/FT)	DEPTH (FEET) RECOVERY SAURLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS	
Backfilled - With - Grout -	Dry 50 Mst		1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 22 - 22 - 22 - 22 - 22		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'	

LOCATION MAP			PACIFIC ENVI	RON	IMENTAL GROUP, INC. BORING NO. SV-3 PAGE 1 OF 1
Center Street	et	\Z \	PROJECT NO. 32 LOGGED BY: T.F DRILLER: VIRON DRILLING METHO SAMPLING METHO CASING TYPE: N SLOT SIZE: NA SAND PACK: NA	F.B. NEX OD: HOD: NA	CLIENT: CHEVRON DATE DRILLED: 5-30-97 LOCATION: 800 Center Street GEOPROBE HOLE DIAMETER: 2"
WELL COMPLETION	MOISTURE CONTENT FID	PENETRATION (BLOWS/FT)	DEPTH (FEET) RECOVERY SAMPLE WITERVAL GRAPHIC	SOIL TYPE	LITHOLOGY/REMARKS
Backfilled - With - Grout	Dry 10		1	SM	ASPHALT SILTY SAND: dark brown; 35% fines; 65% fine sand; faint product odor. @6': as above; dark brown; 40% fines; 60% fine sand. @9': as above; dark brown; 45% fines; 55% fine sand; strong product odor. BOTTOM OF BORING AT 10'



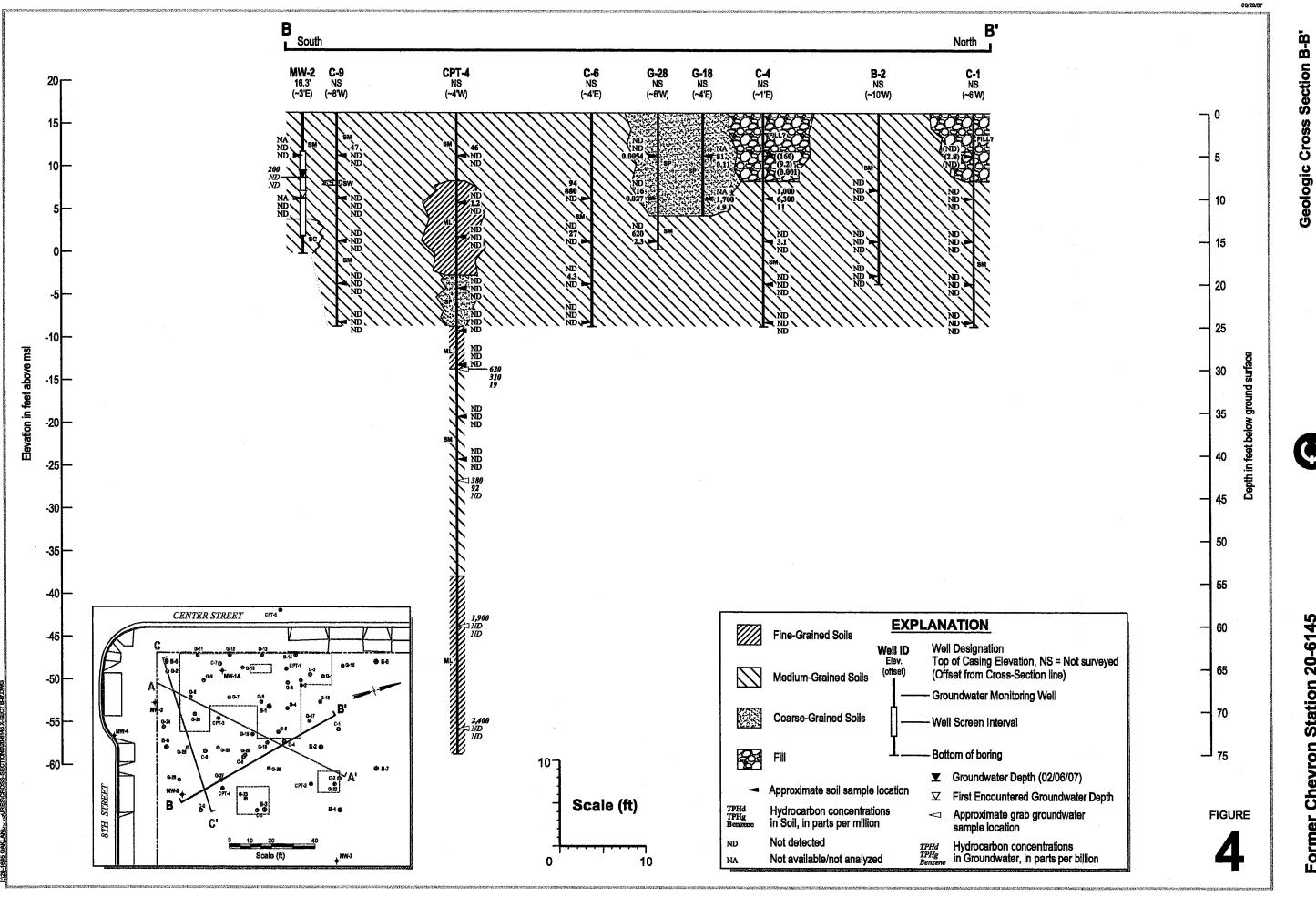
		λl	PACIFIC ENVIROR	MMENTAL GROUP, INC. BORING NO. SV-5 PAGE 1 OF 1	
Center Street	et	72/	PROJECT NO. 320-16 LOGGED BY: T.F.B. DRILLER: VIRONEX DRILLING METHOD: SAMPLING METHOD: CASING TYPE: NA SLOT SIZE: NA SAND PACK: NA	CLIENT: CHEVRON DATE DRILLED: 5-30-97 LOCATION: 800 Center Street GEOPROBE HOLE DIAMETER: 2"	14, 14 1, 12
WELL COMPLETION	MOISTURE CONTENT FID	PENETRATION (BLOWS/FT)	DEPTH (FEET) RECOVERY SAMPLE INTERVAL GRAPHIC SOIL TYPE	LITHOLOGY / REMARKS	
Backfilled - With - Grout -	Wt Hi	igh igh	1	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'	

ATTACHMENT H
Cross Sections



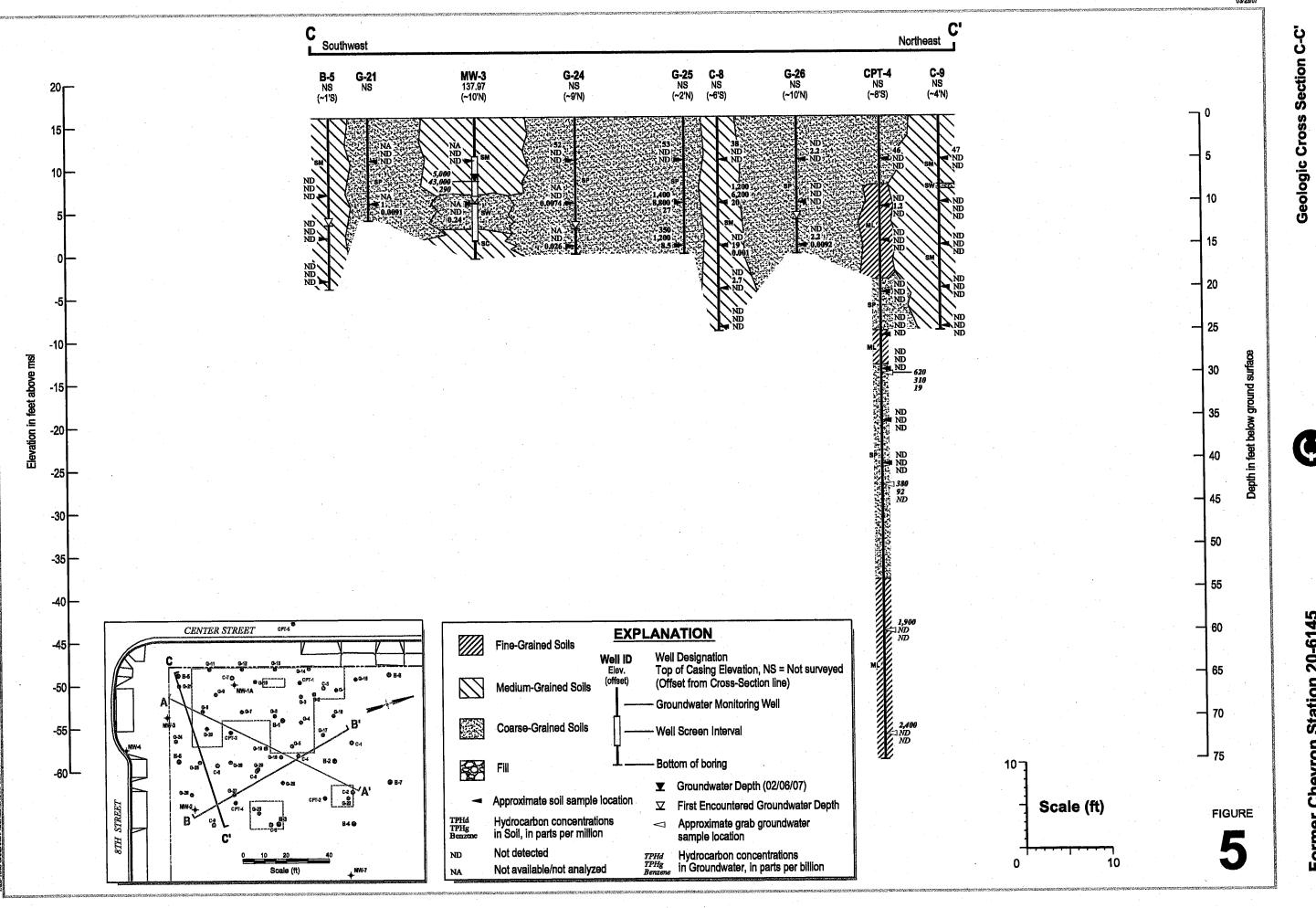
Geologic Cross

Former Chevron Station 20-6145 800 Center Street
Oakland, California



O

Former Chevron Station 20-6145
800 Center Street
Oakland, California



Former Chevron Station 20-6145
800 Center Street
Oakland, California

CAMBR

ATTACHMENT I Hydrocarbon Distribution in Soil

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	44	44	6	6
$V_{\text{soil}} = \text{Volume of impacted soil}$	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
	kg/cdble/ydrd	9,049	20.511	56,878	23,441	164,948	141,334	693,228	544,999	280,256
SM = Total mass of impacted soil	mg/kg soil	1,950	500	7,500	8,500	5,000	5,000	500	5,000	500
CON = Concentration in soil (average)		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
	mg lsg	17.65	10.26	426.59	199.25	824.74	706.67	346.61	2725.00	140.13
M = Mass in Soil	kg	38.82	22.56	938.49	438.34	1814.42	1554.68	762.55	5994.99	308.28
	pounds	23.84	13.86	576.47	269.25	1114.51	954.96	468.40	3682.43	189.36
V = Total volume in soil	liters gallons	6.30	3.66	152.29	71.13	294.42	252.28	123.74	972.80	50.02

Equations Used

 $V_{\text{soil}} = A * T/27$ SM = BD * Vsoil

CON = 1/2 highest concentration contour or 1/2 max. conc.

M = CON * SM

Hydrocarbon Density (kg/liter): 0.74 V = Density * M

Notes:

Based on an estimated dry soil density of 95 lb/cf.
 Based on an estimated average concentration per contour interval.

TOTAL POUNDS 11,873 TOTAL GALLONS 1,927

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	11 - 17 ft	11 - 17 fi
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
	cubic yard	3	33	6	276	179	108	131	67	250	201	_247
V _{soil} = Volume of impacted soil		1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163	1,163
BD = Bulk density of soil (estimated)	kg/cubic yard		38,910	7,239	320,588	208,554	125,133	152,882	77,820	290,339	233,977	287,236
SM = Total mass of impacted soil	kg	3,016			46	£00,331	0.5	0.05	29	5	0.5	0.05
CON = Concentration in soil (average)	mg/kg soil	0.055	0.050	85		3 1 0 4 E 1 0 C	6.26E+04	7.64E+03	2.26E+06	1.45E+06	1.17E+05	1.44E+04
	mg	1.66E+02	1.95E+03	6.15E+05	1.47E+07	1.04E+06				1.45	0.12	0.01
M = Mass in Soil	kg	0.00	0.00	0.62	14.75	1.04	0.06	0.01	2.26			
1v1 — 1v1d33 iii 501i	pounds	0.00	0.00	1.35	32.44	2.29	0.14	0.02	4.96	3.19	0.26	0.03
	liters	0.00	0.00	0.70	16.76	1.18	0.07	0.01	2.56	1.65	0.13	0.02
V = Total volume in soil	gallons	0.00	0.00	0.18	4.43	0.31	0.02	0.00	0.68	0.44	0.04	0.00

Based on an estimated dry soil density of 95 lb/cf.
 Based on an estimated average concentration per contour interval.

V_{soil} = A * T/27 1. Based
SM = BD * Vsoil 2. Based
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

TOTAL GALLONS



Soil

0 to 7 Feet Below Grade

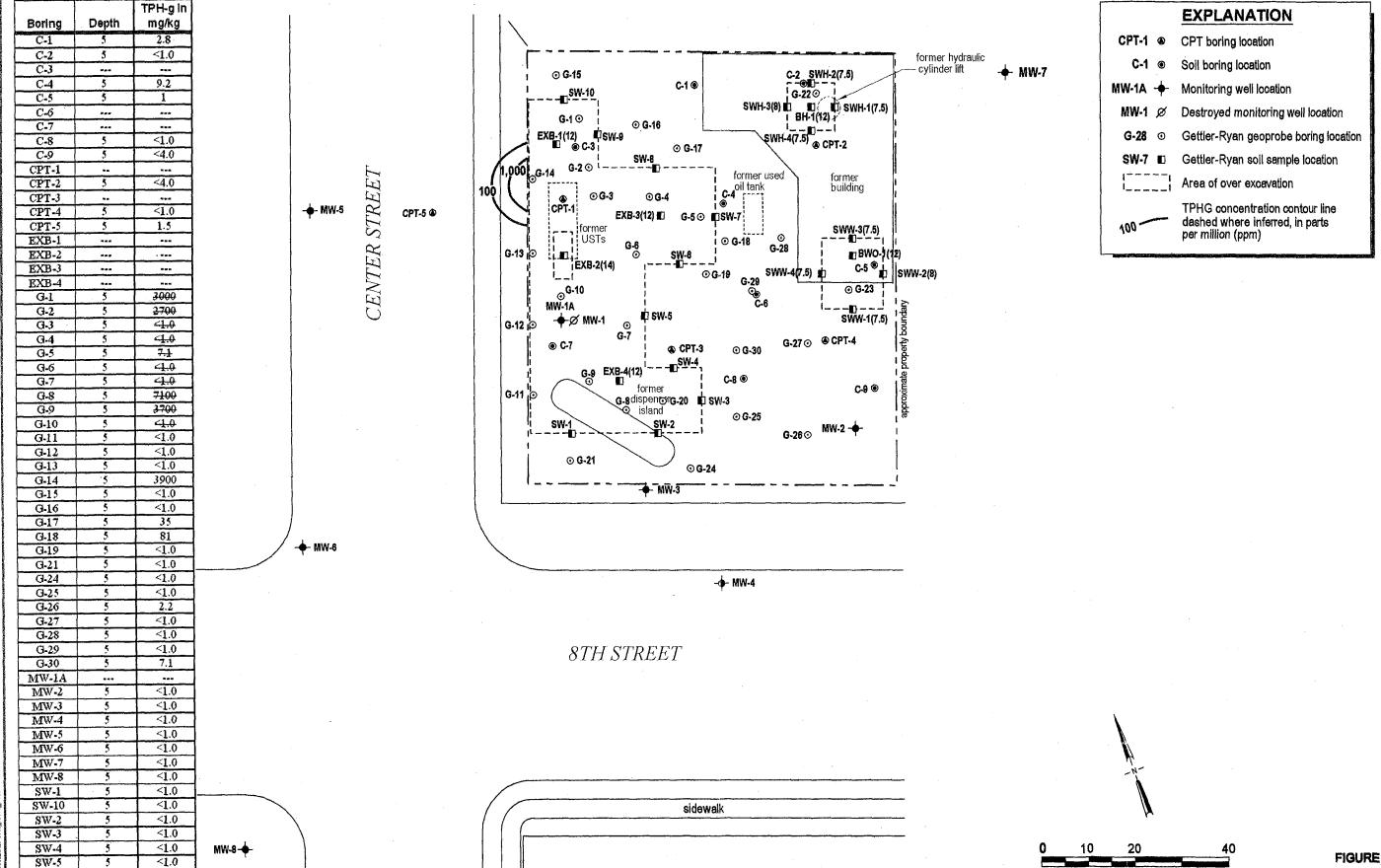
Concentrations in TPHG

Station 206145

Chevron Service Se00 Center Street
Oakland, California

Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan



Apartments

TPH-g Concentrations 0-7 fbg

4.1

<1.0

<1.0

<1.0

Church

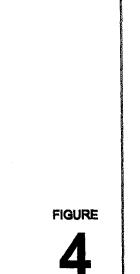
SW-6

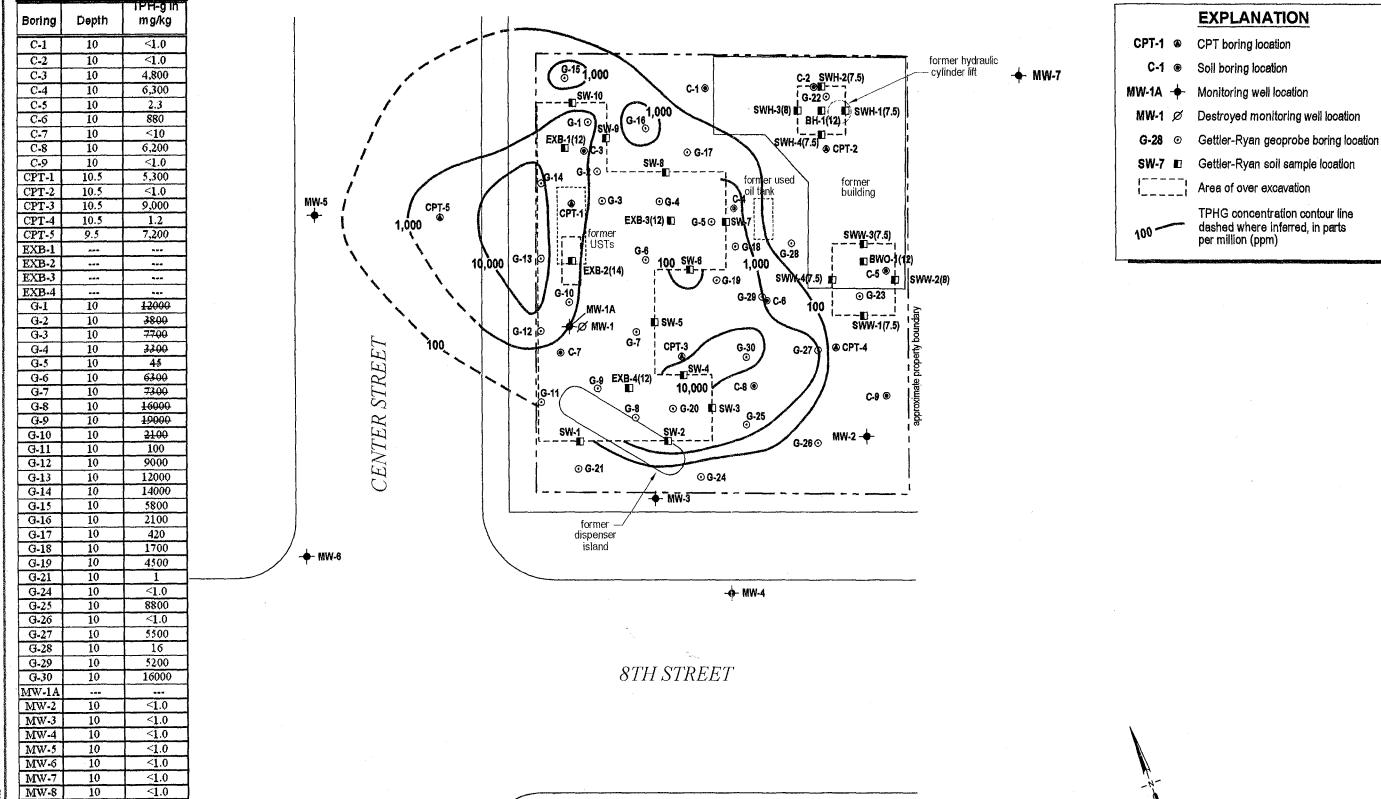
SW-7

SW-8

SW-9







SW-10

SW-1

SW-2

SW-3

SW-4

SW-5

SW-6

SW-7

SW-8

SW-9

10

10

10

10

10

10

10

10

10

<1.0

570

2800

7300

18000

<1.0

3900

4800

<1.0

TPH-g Concentrations 7-11 fbg

Church <1.0

MW-8-

Apartments

sidewalk

Scale (ft) Basemap modified from drawing provided by Gettler-Ryan



EXPLANATION

Area of over excavation

per million (ppm)

TPHG concentration contour line

dashed where inferred, in parts

CPT-1 © CPT boring location

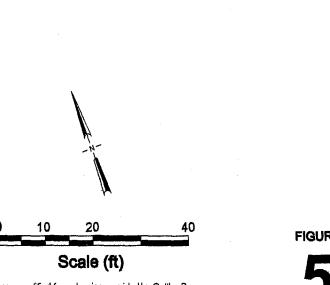


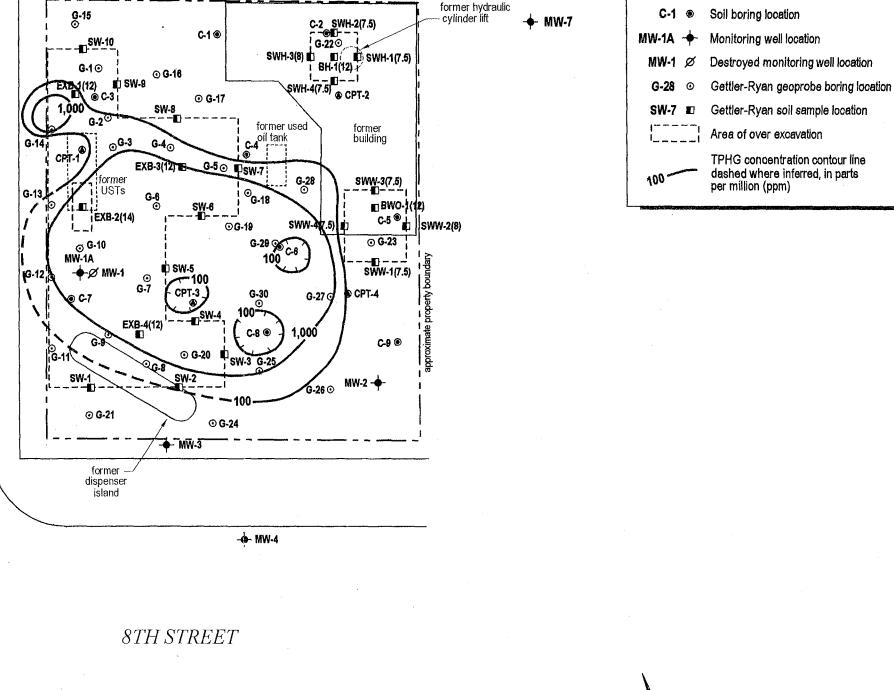
11 to 17 Feet Below Grade





Chevron Service Station 206145





MW-8--

Church

MW-5

-**♦**- MW-6

CPT-5

TPH-g Concentrations 11-17 fbg

Depth

15

15

15

15

15

15

15

15

15

14.5

14.5

15.5

14.5

15.5

12

14

12

12

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. . . .

15

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15

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16

15

15

15

15

- --

...

Boring

C-2

C-3

C-5

C-6

Ç-7

C-8

C-9

CPT-1

CPT-2

CPT-3

CPT-4

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-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

TPH-g in

mg/kg

<1.0

<1.0

9.7

3.1

<1.0

27

1,100

19

<1.0

2

<1.0

18

<1.0

140

4000

1900

3400

6900

...

...

---...

...

...

---10000

620

4800

3500 <1.0

<1.0

<1.0

<1.0

<1.0

...

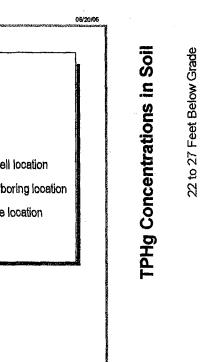
CENTER STREET

Apartments

sidewalk

Basemap modified from drawing provided by Gettler-Ryan

FIGURE



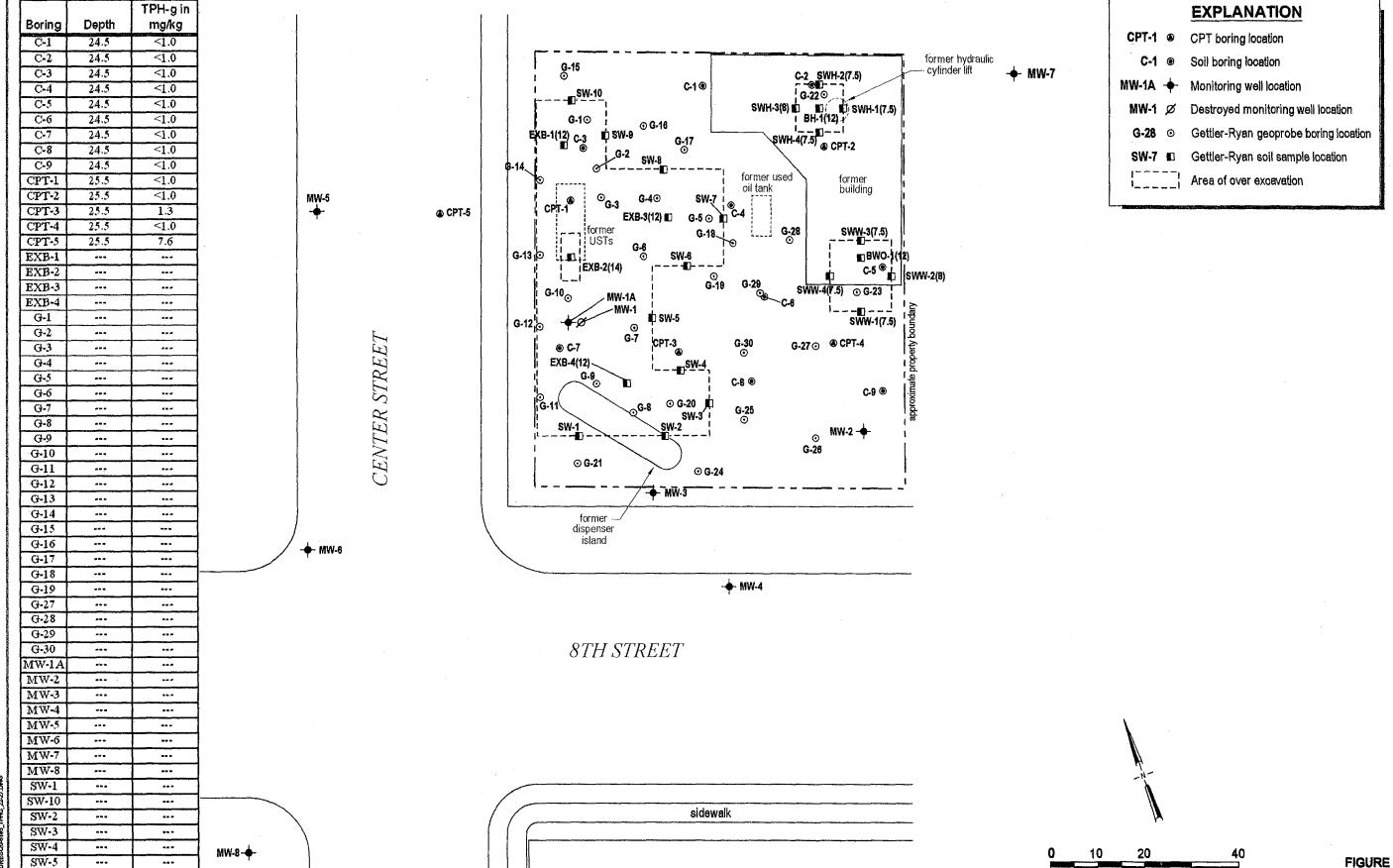


Chevron Service Station 206145

Scale (ft)

Basemap modified from drawing provided by Gettler-Ryan





Apartments

TPH-g Concentrations 22-27 fbg

SW-6

SW-7

SW-8

SW-9

~==

Church

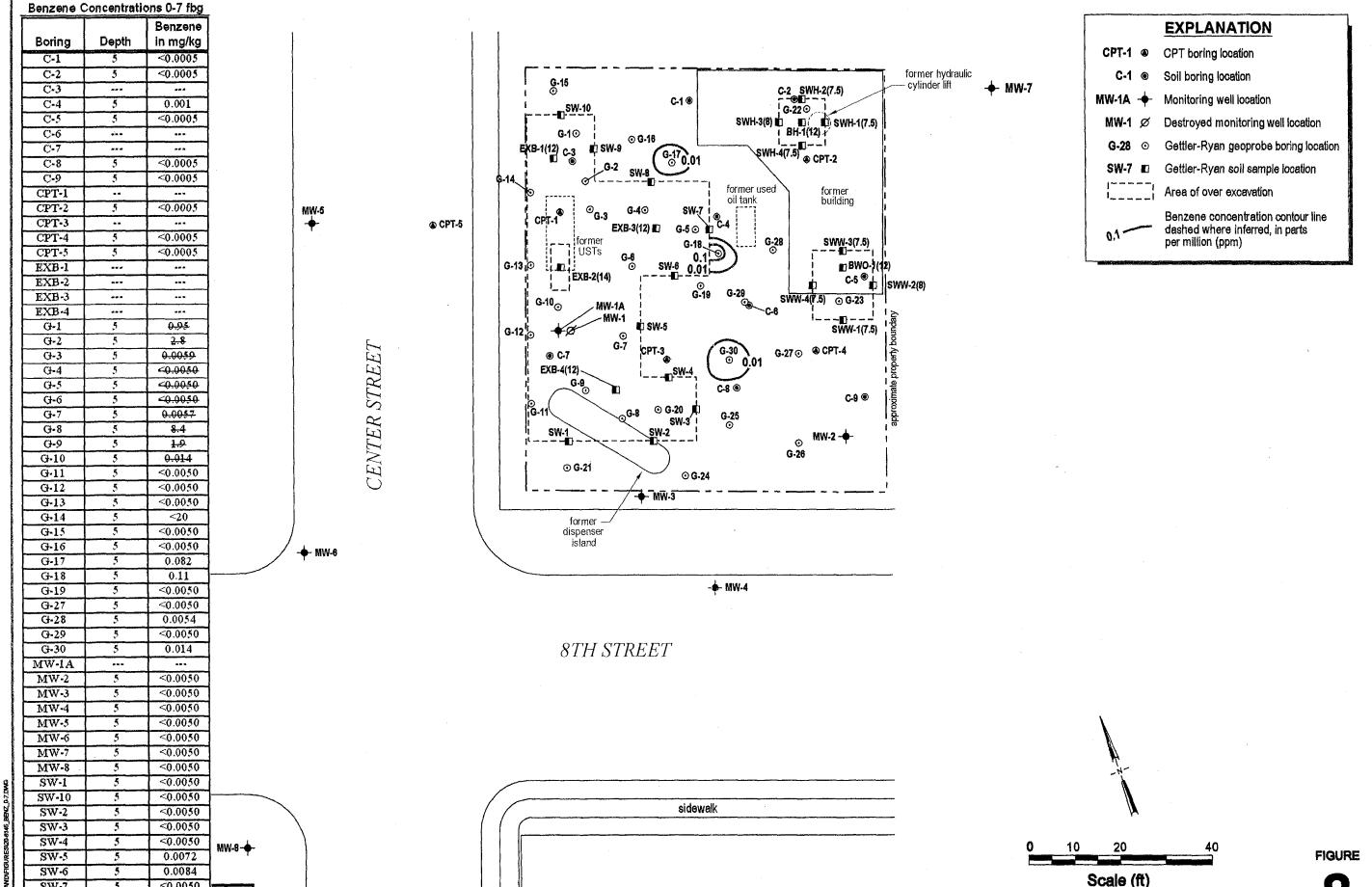


05/20/05





Basemap modified from drawing provided by Gettler-Ryan



Apartments

SW-7

SW-8

SW-9

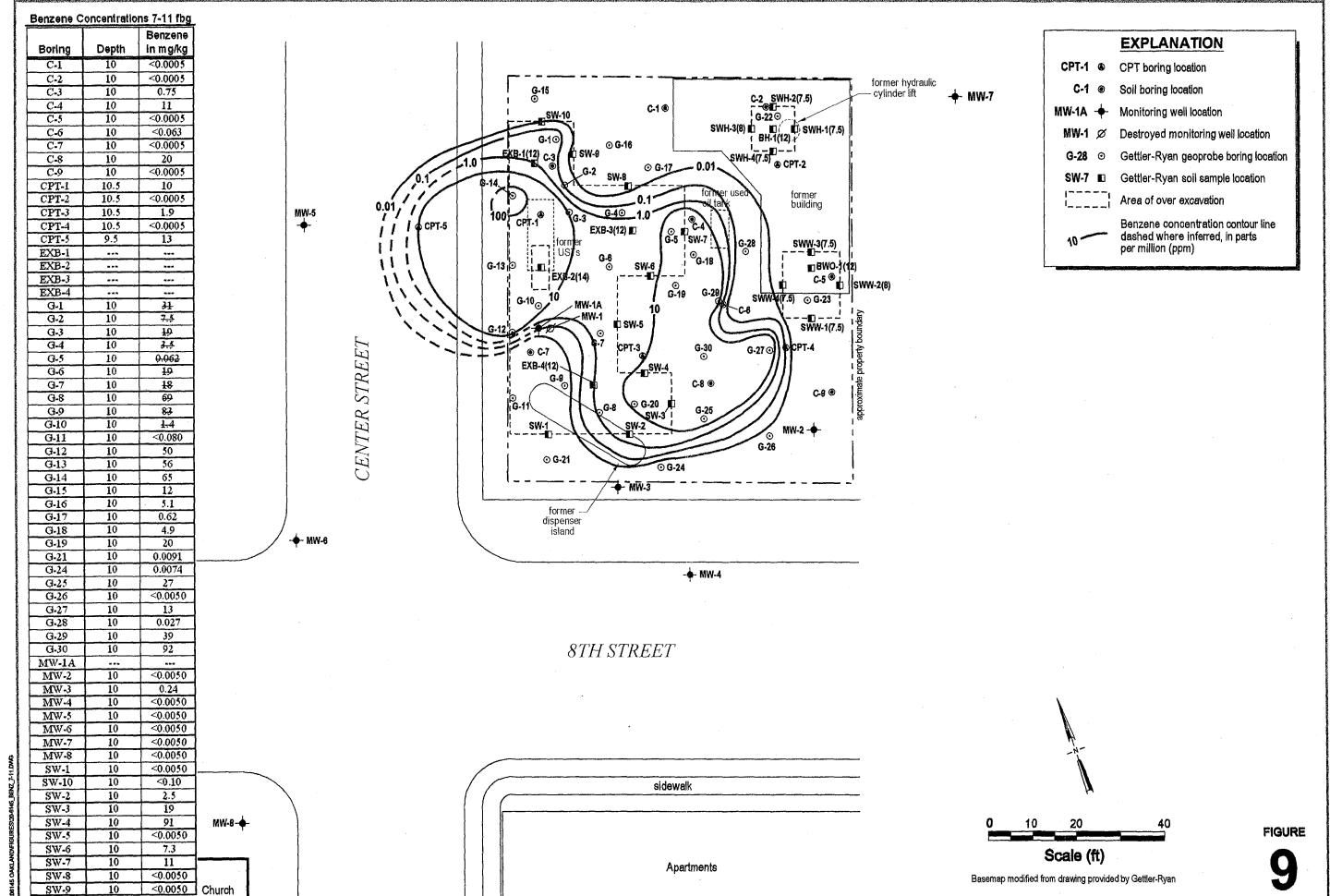
5

< 0.0050

< 0.0050

< 0.0050



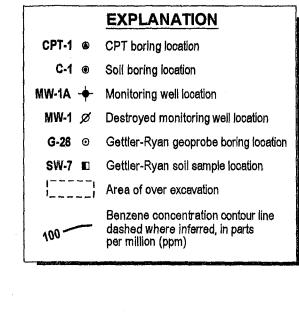


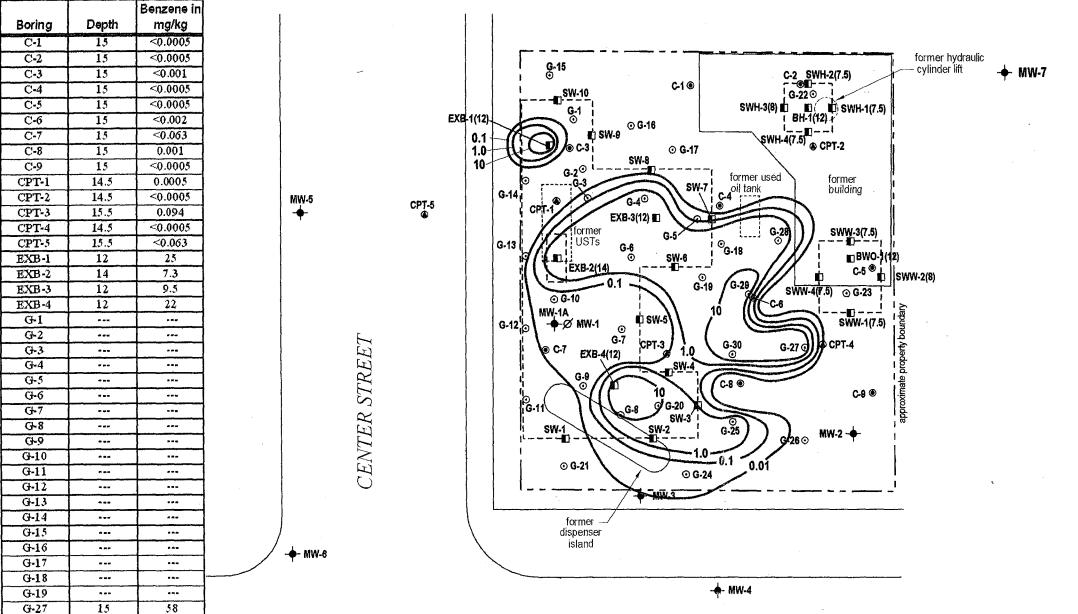


11 to 17 Feet Below Grade

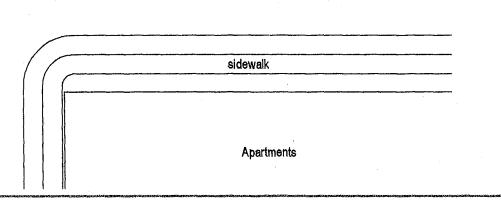


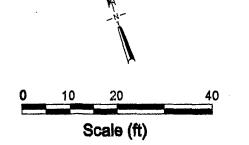






8TH STREET





Basemap modified from drawing provided by Gettler-Ryan

FIGURE

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

Benzene Concentrations 11-17 fbg

2.3

14

27

0.013

< 0.0050

<0.0050

< 0.0050

<0.0050

...

...

WW-8

15

15

15

16

15 15

15

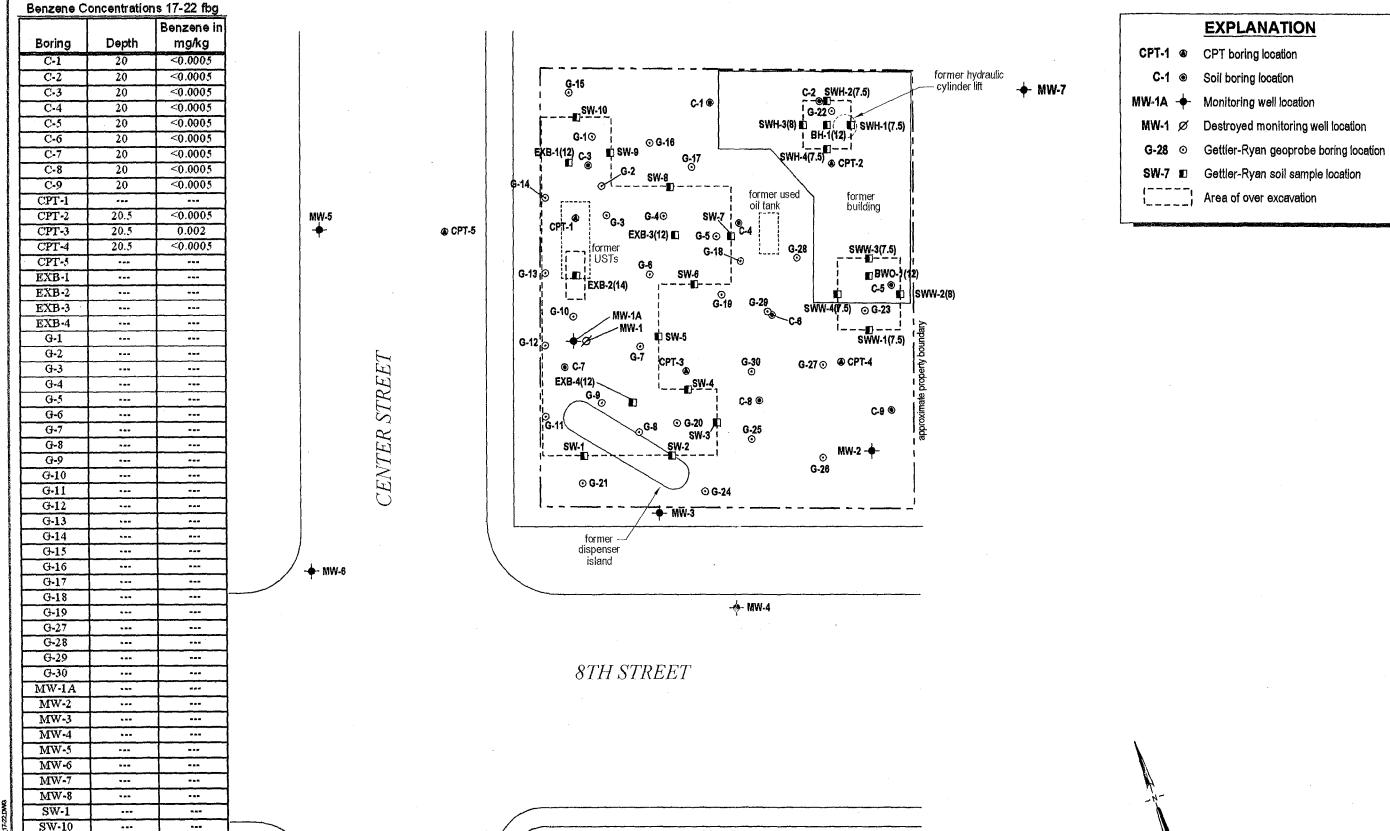
15

~ --

...







sidewalk

Apartments

SW-2

SW-3

SW-4

SW-5

SW-6

SW-7

SW-8

SW-9

...

...

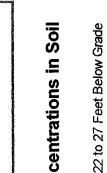
-**∳**- MW-8

irch

FIGURE

Scale (ft)

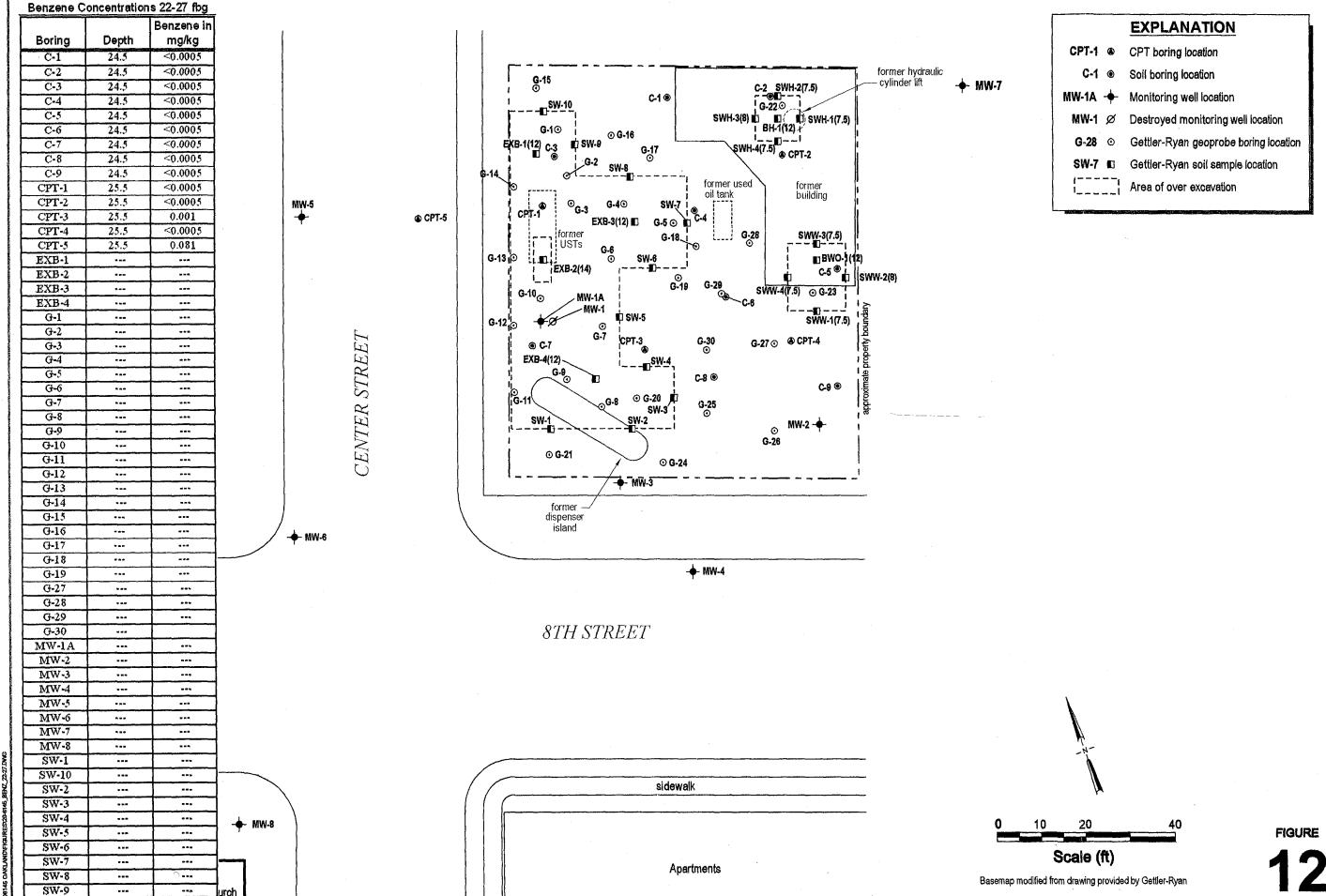
Basemap modified from drawing provided by Gettler-Ryan



05/20/05

Concentrations in Soil Benzene





ATTACHMENT J Utility Survey and Well Area Survey Data

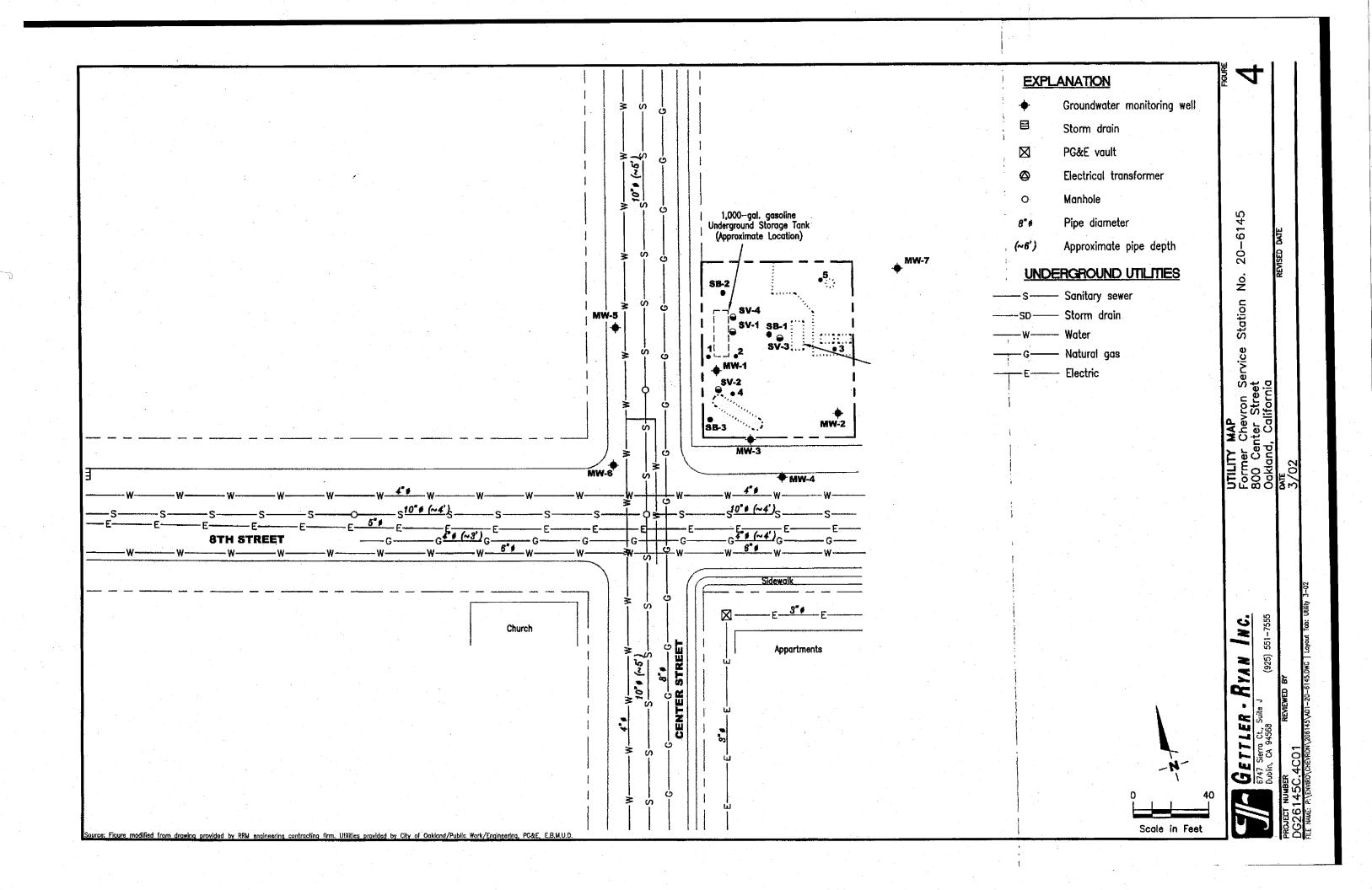


TABLE 4 - WELL SEARCH DATA

Former Chevron Service Station No. 20-6145 800 Center Street, Oakland California Half Mile Radius Around Site

							Well	Screen Interval		Well	AVG
Мар	Well	Well	Well	Well	State	Year	Depth	From	To	Diameter	DTW
m	Owner	Location	Use	Status	Well#	Installed	(feet)	(feet)	(feet)	(inches)	(feet)
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

Well location data supplied by the County of Alameda Public Works Agency

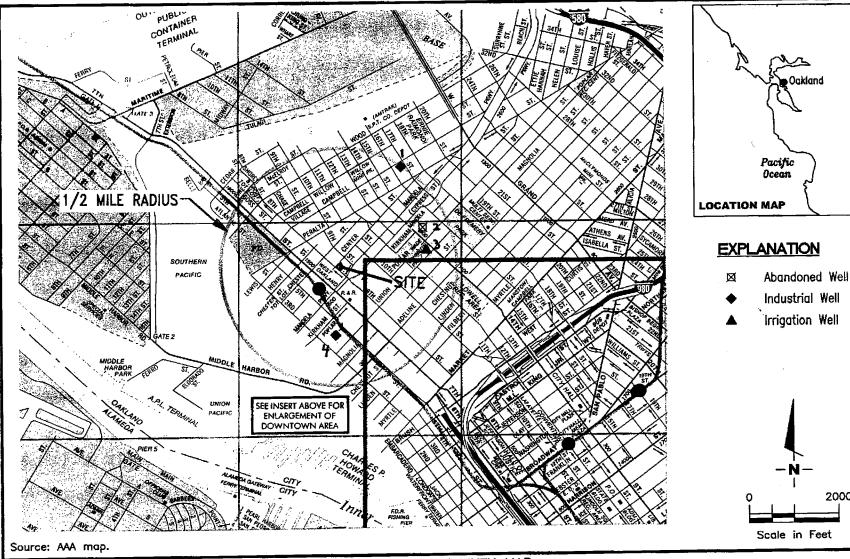
IND = Industrial Well

ABD = Abandoned Well

IRR = Irrigation Well

NA = Information Not Available

DWT = Depth To Water





WELL SURVEY MAP Former Signal Oil Service Station No 20-6145 800 Center Street

Oakland, California DATE

REVISED DATE

JOB NUMBER 347492

REVIEWED BY

3/01

FILE NAME: P:\ENVIRO\CHEVRON\20-6145\VIC-20-6145.DWG | Layout Tab: Well Survey 3-01

FIGURE

2000

Oakland