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RECEIVED

9:26 am, Apr 16, 2012

Alameda County
Environmental Health

ExxonMobil

April 11, 2012

Ms. Barbara Jakub, P.G.
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #70235/2225 Telegraph Avenue, Oakland California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled *Feasibility Study/Corrective Action Plan*, dated April 11, 2012, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

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.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's *Feasibility Study/Corrective Action Plan*, dated April 11, 2012

cc: w/ attachment
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management

w/o attachment
Ms. Paula Sime, Cardno ERI



Feasibility Study/Corrective Action Plan

Former Exxon Service Station 70235

2225 Telegraph Avenue, Oakland, California

Alameda County Case No. RO0000358

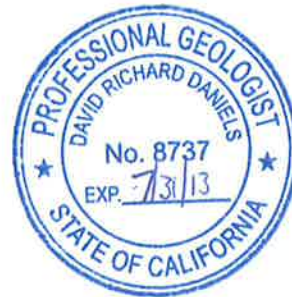
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Prepared for ExxonMobil Environmental Services

April 11, 2012



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1.0 INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI prepared this feasibility study and corrective action plan (FS/CAP) for the subject site. The purpose of the report is to evaluate remedial alternatives and select and implement corrective actions to progress the site towards closure. The report was requested by the Alameda County Health Care Services Agency (the County) in a letter dated January 12, 2012 (Appendix A).

In the letter, the County also requested a concise background of soil and groundwater investigations conducted at the subject site; an assessment of residual constituents of concern; and a discussion of where the release has migrated or may migrate. In addition, an evaluation of the site with respect to the California Regional Water Quality Control Board, San Francisco Bay Region (Regional Board) Basin Plan and appropriate ESL guidance for constituents of concern and for the appropriate groundwater designation along with appropriate clean-up levels and clean-up goals are specified.

2.0 SITE DESCRIPTION

The site (Assessor's Parcel Number 8-659-2-1) is located on the eastern corner of Telegraph Avenue and West Grand Avenue, Oakland, California, as shown in the Site Vicinity Map (Plate 1). The site is an active retail gasoline service station. Texaco Refining and Marketing, Incorporated operated the station from 1963 until 1988 when the site property was transferred to Exxon Company, U.S.A. The site was sold to Valero Refining Company (Valero) in 2000. In 2001, Valero sold the site to Mr. Lam Truong who currently owns and operates the station and dispenses three grades of gasoline and diesel. The locations of the former and current USTs, dispenser islands, groundwater monitoring wells, and select site features are shown on the Generalized Site Plan (Plate 2).

The site is at an elevation of approximately 20 feet above msl and the surrounding area is a mix of industrial and residential properties. Land use in the vicinity of the site is mixed-use commercial/industrial and residential. To the east, across Telegraph Avenue, is an active Chevron service station and to the northeast, across Telegraph Avenue, is former Beacon service station. To the north across West Grand Avenue are a parking lot, Buddhist Association building, and a fast food restaurant, and to the west adjacent to the site is a two-story residential apartment building. To the south, adjacent to the site is the First Baptist Church.

3.0 GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

The site is located along the eastern margin of the San Francisco Bay within the East Bay Plain (Hickenbottom and Muir, 1988). The surficial deposits in the site vicinity are mapped as Merritt Sand consisting of fine-grained, very well sorted, well-drained eolian deposits of the Pleistocene and Holocene age (Graymer, 2000). The active northwest trending Hayward fault is located approximately 3½ miles east of the site.

3.2 Site Geology

Based on a review of CPT logs and historical boring logs for groundwater monitoring wells, remediation wells, and soil borings, the site is underlain by low permeability clay and silt units extending approximately 10 to 12 feet bgs. Underlying this unit is a sand unit extending to approximately 18 feet bgs. Silts and clay, with lenses of sand (up to 1 foot thick), extend beneath the sand unit to approximately 30 feet bgs, the total depth drilled. The lithology, as interpreted from the CPT borings (CPT1 through CPT3) show mostly clay and sandy/clayey silts, with interbedded lenses of silty sand, from 30 to 50 feet bgs, the total depth explored. A cross section location map and historical cross sections are included in Appendix B and CPT logs are included in Appendix C.

3.3 Regional Hydrogeology

The East Bay Plain is regionally divided into two major groundwater basins: the San Pablo and the San Francisco Basin. These basins are tectonic depressions that are filled primarily with a sequence of coalescing alluvial fans. The San Francisco Basin is further divided into seven sub-areas. The site is located in the Oakland Sub-Area, which is filled primarily by alluvial deposits that range from 300 to 700 feet thick without well-defined aquitards (CRWQCB, 1999). Under natural conditions, the direction of groundwater flow in the East Bay Plain is east to west towards San Francisco Bay and correlates with topography.

3.4 Site Hydrogeology

The site is located approximately 2,200 feet west of the Lake Merritt. Lake Merritt is connected to the Oakland Inner Harbor to the west, which connects to the San Francisco Bay. The San Francisco Bay is located approximately 2.7 miles west and 3.5 miles south of the site. Groundwater flow direction at the site is predominantly to the southeast towards Lake Merritt. Groundwater recharge of the East Bay Plain occurs by infiltration from precipitation, irrigation, pipe leakage, and stream flow.

The depth to first encountered groundwater beneath the site has varied over time and has ranged from approximately 9 feet bgs to 15 feet bgs. Currently, groundwater is encountered at depths ranging from approximately 11 feet bgs to 13 feet bgs. Cumulative results of groundwater monitoring and sampling indicate that the groundwater flow direction is predominantly towards the southeast. Groundwater data from August 23, 2011, indicate that the groundwater flow direction is towards the southeast with a hydraulic gradient of 0.010. A groundwater elevation map for the August 23, 2011, sampling event is shown on Plate 3. Groundwater monitoring data is summarized in Table 1A.

In 2008, three CPT soundings were advanced to 50 feet bgs at the site (ERI, 2008). Up to three water-bearing zones were identified on the CPT logs; 12 to 18 feet bgs, 29 to 30 feet bgs, and between 36 to 42 feet bgs (Appendix B). The second water bearing zone produced very little water; only 40 milliliter VOAs were able to be collected from one of the borings. Copies of the CPT logs and a table detailing water sampling efforts are included in Appendix C.

4.0 PREVIOUS WORK

Cumulative groundwater monitoring and sampling data are summarized on Tables 1A and 1B. Well construction details are summarized in Table 2. Cumulative soil analytical results are summarized on Tables 3A through 3C.

4.1 Fueling System Activities

The site currently dispenses regular, plus, and premium unleaded gasoline and diesel. The locations of the USTs, dispenser islands, and other select site features are shown on the Generalized Site Plan (Plate 2).

In November 1991 three single-walled USTs and their associated piping were removed and replaced with double-walled fiberglass tanks and piping. The existing UST cavity was enlarged to accommodate the new USTs (EA, 1992).

4.2 Site Assessment Activities

Multiple phases of assessment have been conducted from 1988 to the present, including the advancement of seven soil-gas probes and 22 soil borings, the installation of two vapor extraction wells, four recovery wells (RW1 through RW3 and RW3A) and 10 groundwater monitoring wells (MW6A through MW6J) (Alton, 1991; ERI, 2000, 2001a, 2002, 2007a; HLA, 1988, 1989, 1990, 1992), and the destruction of wells MW6A and RW3 in conjunction with assessment activities (ERI, 2002; HLA, 1992).

Results of the assessment indicated maximum residual adsorbed-phase TPHg, benzene, and MTBE concentrations of 11,000 mg/kg, 200 mg/kg, and 0.016 mg/kg, respectively. Residual adsorbed-phase TPHg and benzene are primarily present in the soils from surface to 13.5 feet bgs around the northern dispenser islands and the northeastern portion of the site (borings B1A, B3A, B1, B2, MW6H, TG2, and TG3). Residual MTBE was reported in soil samples collected from boring B9 along the eastern edge of the site.

4.3 Remediation Activities

In November and December 1991, the product USTs were removed and the former tank pit was enlarged to accommodate the new product USTs; an area approximately 45 by 33 feet to 13.5 feet bgs was excavated. Concentrations of TPHg up to 10,000 mg/kg (TG2, 13 feet bgs) and benzene up to 130 mg/kg (TG2, 13 feet bgs) were reported in soil samples collected from the base of the excavation. Concentrations of TPHg up to 660 mg/kg (TG12, 12 feet bgs) and benzene up to 4.3 mg/kg (TG12, 12 feet bgs) were reported in the sidewall soil samples of the enlarged cavity (EA, 1992).

A groundwater remediation system extracted, treated, and discharged approximately 307,000 gallons of groundwater between fourth quarter 1990 and the end of first quarter 1992 (HLA, 1992). By November 15, 1993, approximately 583,679 gallons of groundwater had been extracted (Texaco, 1994).

On September 11, 2001, ERI conducted a DPE feasibility test. A total of 9,000 gallons of groundwater was extracted and treated during the nine day DPE test. The average extraction rate for the test was approximately 1 gpm. Approximately 187.5 pounds of TPHg and 2.36 pounds of MTBE were removed through soil vapor extraction during the DPE feasibility test. A total of 0.329 pound of TPHg and 0.0374 pound of MTBE were removed by groundwater extraction during the DPE test (ERI, 2001b). The results of the DPE test indicated that DPE is a feasible remedial alternative for the site.

4.4 Groundwater Monitoring Activities

Quarterly groundwater monitoring was implemented at the site in 1988. Measurable NAPL was measured in well MW6D during the July 1988 monitoring and sampling event. Hydrocarbon sheen was observed in well RW2 in April 1999. Dissolved-phase TPHg, benzene, and MTBE extend from the northeastern portion of the site, off site into the public right-of-way towards the southeast. Maximum concentrations have been reported in samples collected from wells RW1 and MW6H and boring B9. During the monitoring program, fuel constituent concentrations reported in samples collected from wells MW6E, MW6F, and MW6I have declined to concentrations at or below the laboratory reporting limit. Since March 2009, concentrations of TPHg and benzene have increased by up to 2 and 4 orders of magnitude, respectively in well MW6B located downgradient from the northern dispenser islands. The third quarter 2011 groundwater monitoring results are included as Plates 3 and 4.

5.0 SITE CONDITIONS

5.1 Petroleum Hydrocarbon Concentrations in Soil

Historical soil sample analytical data indicate that the maximum concentrations of residual TPHg and benzene were reported in soil samples AB1, AB2, and AB3 located at the northern dispenser island, soil boring B1 (Alton) located in the northeast corner of the site, and TG2 (EA) located on northern edge of UST pit. Soil sample locations are shown on Plate 2. Plates 9 through 12 in Appendix D show the distribution of TPHg and benzene in shallow (less than 3 meters) and deep (greater than 3 meters) soil. Plates 10 through 12 in Appendix E show the lateral and vertical distribution of TPHg, benzene, and MTBE in soil. Cumulative soil analytical results are summarized in Tables 3A, 3B, and 3C.

The lateral distribution of petroleum hydrocarbons in soil were delineated by 14 soil borings advanced between October 1988 and October 2008 (HLA, 1989; ERI, 2000; ERI, 2007b; ERI 2008). The lateral extent of TPHg and benzene concentrations in soil is defined in the downgradient direction (to the south by wells MW6E, MW6I, and MW6J and borings DP2 and GP1, to the southeast by borings GP2, B7, and B8, and to southwest by well MW6F). Concentrations of TPHg and benzene were not reported at or above the laboratory reporting limit in these samples. The lateral extent of MTBE concentrations in soil is defined in the downgradient direction (to the south by well MW6J and borings DP2 and GP1, and to the southeast by borings GP2, B7, and B8). Concentrations of MTBE were not reported at or above the laboratory reporting limit in these samples.

Concentrations of petroleum hydrocarbons were reported in soil samples collected in the vicinity of the dispenser islands located on the east and north side of the station. In the vicinity of the eastern dispenser island, concentrations of TPHg were reported in samples collected at well MW6H (13.5 feet bgs) at a maximum of 1,000 mg/kg, in boring B9 (11 feet bgs) at up to 12 mg/kg, and in boring DP1 (15 feet bgs) at 5.8 mg/kg; and concentrations of benzene and MTBE were reported in soil samples collected from borings B9 and DP1 at a maximum concentration of 0.18 mg/kg (B9, 11 feet bgs) and 0.030 mg/kg (DP1, 10 feet bgs), respectively. At the northern dispenser island, concentrations of TPHg were reported at a maximum of 7,200 mg/kg in the surface sample collected at hand-auger location AB2. In the vicinity of the northern dispenser island, maximum concentrations of TPHg and benzene were reported at 9,900 mg/kg and 33 mg/kg, respectively, in boring B2 (14.5 feet bgs) located approximately 15 feet east of the northern dispenser island; and at 10,000 mg/kg and 81 mg/kg, respectively, in boring B1 (10.5 feet bgs) located approximately 35 feet east of the northern dispenser island.

The vertical distribution of TPHg, benzene, and MTBE in soil is defined on site at borings B9, DP1, and DP2 with concentrations not reported at or above the laboratory reporting limit below 19.5 feet bgs, 15 feet bgs, and 5 feet bgs, respectively. The borings extended to at least 29.5 feet bgs. The lateral and vertical distribution of TPHg, benzene, and MTBE in soil is illustrated on Plates 10 through 12 in Appendix E.

5.2 Groundwater Conditions

5.2.1 Dissolved Constituent Distribution in Groundwater

Monitoring of groundwater quality has been conducted at the site since June 1988. Groundwater monitoring data are summarized in Tables 1A and 1B. Select analytical results from the August 23, 2011, sampling event are shown in Plate 4.

The site currently has five on-site groundwater monitoring wells (MW6B, MW6E through MW6H), two off-site groundwater monitoring wells (MW6I and MW6J), and three recovery wells (RW1, RW2, and RW3A). The following table lists the historical maximum and current maximum concentrations of TPHg, benzene, and MTBE reported in the wells at the site.

Constituent	Historical Maximum Concentration (µg/L)	Well	Date	Current Maximum Concentration (µg/L)	Well	Date
TPHd	6,830d	RW1	5/03/05	970d	RW2	8/23/11
TPHg	127,000	RW1	11/4/04	6,500	MW6H	8/23/11
Benzene	9,500	MW6C (now identified as RW3A)	10/20/88	1,600	MW6H	8/23/11
MTBE	8,520	MW6H	7/19/99	57	MW6B	8/23/11

Isoconcentration maps showing the current distribution of TPHd, TPHg, benzene, and MTBE are shown on Plates 5 through 8, respectively. Historical isoconcentration maps from 2007 are included in Appendix F.

Hydrographs presenting groundwater elevations over time and TPHg, benzene, and MTBE concentrations for wells MW6A through MW6J, RW1, RW2, RW3, and RW3A are attached. These hydrographs indicate that petroleum hydrocarbon concentrations have declined over time, with the exception of the concentrations in well MW6B since approximately 2010.

5.2.2 Lateral Delineation of Petroleum Hydrocarbons in Groundwater

The lateral extent of TPHd concentrations in groundwater is adequately defined to the south by wells MW6E, MW6I, and MW6J, to west by wells MW6G and MW6F, and to the north by well MW6B. Concentrations of TPHd are defined to the east by grab groundwater sample collected at soil boring B7 located southeast and downgradient of the site.

The lateral extent of TPHg concentrations in groundwater is adequately defined to the south by wells MW6E, MW6I, and MW6J, and to west by wells MW6G, RW3A, and MW6F, as shown on Plate 6 and Plate 17 in Appendix F. Concentrations of TPHg have not been reported at or above the laboratory reporting limit in wells MW6E, MW6F, MW6G, MW6I, and MW6J since October 2006.

The lateral extent of TPHmo concentrations in groundwater is defined to the south by wells MW6E, RW2, MW6I, and MW6J, to west by wells MW6G and MW6F, to the north by well MW6B, and to the southeast by boring B7, as shown on Plate 19 in Appendix F.

The lateral extent of benzene concentrations in groundwater is defined southeast of the site by wells MW6I and MW6J and boring B7 as shown on Plate 4 and Plate 20 in Appendix F. The lateral extent of benzene is defined to the west by well MW6F, to the north by well MW6G, and to the east by boring B8.

The lateral extent of MTBE concentrations in groundwater is defined to the south by well MW6I and to the southwest by wells MW6E and MW6F as shown on Plate 8 and Plate 21 in Appendix F. The lateral extent of MTBE is not currently defined (concentrations reported above laboratory reporting limits) to the north, east, and southeast.

5.2.3 Vertical Delineation of Petroleum Hydrocarbons in Groundwater

The vertical extent of petroleum hydrocarbons in groundwater is not defined on site in the source areas at CPT1 and CPT3 with concentrations of TPHg, TPHd, BTEX, and MTBE detected in grab groundwater samples at 38 and 41 feet bgs. Concentrations decreased by up to 3 magnitudes in the deep grab groundwater samples compared with the shallow grab groundwater samples collected at the same location as shown on Plate 13 in Appendix G

The vertical extent of petroleum hydrocarbons is defined off site at soil borings GP1, GP2, and B7 with concentrations of TPHg, BTEX, and MTBE below laboratory reporting limits at depths ranging from 22.5 to 24 feet bgs (Appendix F, Plate 22). Concentrations of TPHd (220 µg/L) were reported in boring B7 at 22 feet bgs.

5.2.4 NAPL

To date, NAPL with a thickness greater than a sheen has not been observed in the groundwater monitoring wells at the site.

6.0 CONSTITUENTS OF CONCERN AND IMPACTED MEDIA

Cardno ERI has identified the following as constituents of concern at the subject site:

- TPHg and BTEX compounds
- TPHd
- Fuel oxygenate MTBE

Cardno ERI has currently identified constituents of concern in soil and groundwater at the subject site.

7.0 EXPOSURE PATHWAYS

Cardno ERI evaluated potential receptors and exposure pathways at the site including risks to human health. Exposure pathways, transport mechanisms, exposure media, and receptors for the subject site are summarized on the Conceptual Site Exposure Model (Plate 9). The site is an active gasoline service station with a paved ground surface across the entire site. The station building is the only structure occupied by workers at the site. Groundwater is encountered beneath the site at an average depth of approximately 9 to 12 feet bgs and there are no active water supply wells located within a 1,000-foot radius of the site (ERI, 2007). Land use in the immediate vicinity is mixed-use commercial/industrial and residential. Based on these site conditions, potential exposure pathways and receptors were evaluated.

Since the site is paved, direct exposure (via ingestion or dermal contact) to chemicals of concern released during EMES' operations is not likely; however, if the pavement is removed in the future during construction activities, potential exposure via dermal contact or ingestion with soil may occur. The potential exposure route of vapor inhalation may exist in the commercial/industrial setting for workers in the on-site station building; however, based on the subsurface lithology and that residual distribution of petroleum hydrocarbon concentrations in soil, it is not likely that exposure pathways associated with volatile emissions to indoor air affecting daily site occupants would occur.

Shallow and deep groundwater are potential receptors; however, the lateral extent of groundwater containing dissolved-phase diesel and gasoline constituents are adequately delineated. It appears that groundwater with dissolved-phase hydrocarbons does extend underneath adjacent off site buildings. Cardno ERI considers the exposure pathway involving a groundwater source, volatilization, and indoor air intrusion into the adjacent offsite building to be complete. Based on existing data, it is not likely that native sediment containing residual hydrocarbons occurs off site. Therefore, Cardno ERI considers exposure pathways involving soil sources, volatilization, and vapor intrusion into off-site buildings incomplete. Exposure pathways involving soil sources and direct contact or ingestion at off-site locations are also incomplete.

Cardno ERI understands that no change in site usage is anticipated; therefore, commercial exposure criteria are applicable.

8.0 SELECTION OF CLEAN-UP GOALS

Based on the current site conditions and complete or potentially complete exposure pathways, Cardno ERI proposes application of environmental screening levels (ESLs) established by the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB SFB, 2008) for soil and groundwater impacted by residual gasoline and diesel hydrocarbons and oxygenated compounds underlying the subject site and adjacent areas.

Since the site is an active retail gasoline service station and site use is remaining the same in the foreseeable future, Cardo ERI proposes the selection of the specific clean-up goals will be the commercial/industrial land use ESLs where groundwater is not a current or potential drinking water source.

9.0 EVALUATION OF REMEDIAL ALTERNATIVES

Cardno ERI has evaluated the following remedial alternatives for the site:

- Monitored natural attenuation (MNA)
- Excavation
- In-situ chemical oxidation
- Groundwater pump and treat (GWPT)
- High-vacuum DPE

9.1 Monitored Natural Attenuation

MNA reduces hydrocarbon concentrations via several mechanisms, including the destruction of constituents of concern by biological and chemical processes, adsorption, and dispersion. An MNA program consists of groundwater monitoring and sampling to measure the decrease in dissolved-phase hydrocarbon concentrations over time in the source and downgradient wells. This program would not be implemented until the dissolved-phase constituents of concern at the site have diminished or stabilized to levels acceptable to the agency. Active remediation is not part of this option.

9.1.1 Advantages

MNA does not require the installation, operation, or maintenance of an active remediation system; therefore, there are no capital equipment costs.

9.1.2 Disadvantages

If the time it takes to reach diminished/stabilized dissolved-phase constituents of concern is long, this approach is not be the most cost-effective option. Furthermore, this remedial strategy does not provide active source removal of constituents of concern from the vadose zone or capillary fringe. Not all constituents of concern are biodegradable, and attenuation by dispersion or adsorption does not reduce the mass of the constituents of concern.

9.1.3 Site Application

Based on the current concentrations of residual and dissolved-phase hydrocarbons, Cardno ERI concludes that natural attenuation will not effectively remediate soil and groundwater underlying and near the site within a reasonable time frame. However, natural attenuation will be applicable after active remediation reduces residual and dissolved-phase concentrations is addressed in current source areas. Cardno ERI recommends consideration of MNA for future use at the site.

9.2 Excavation

Excavation is the physical removal of soil for aboveground treatment or recycling at a permitted facility.

9.2.1 Advantages

Excavation generally allows rapid implementation and can remove constituent mass that may otherwise be difficult to address and constituents of concern that are not sufficiently volatile or soluble. Chemical oxidizers can be placed in the excavation bottom if constituents of concern are present in groundwater before backfilling.

9.2.2 Disadvantages

Excavation is generally only feasible if the remediation target zone is relatively shallow and the site conditions permit large scale excavations. The implementation of a large scale excavation has impacts on business operations at the site as well as traffic near the site.

9.2.3 Site Application

Based on logistical constraints imposed by the operating gasoline service station and depth of residual petroleum hydrocarbon, excavation is not feasible at this time at the subject site.

9.3 In-Situ Chemical Oxidation

In-situ chemical oxidation operates by adding an oxidant to the subsurface to degrade residual hydrocarbons.

9.3.1 Advantages

Oxidizers can be injected at specific target locations and depths or added to an excavation containing groundwater before backfilling. Groundwater and/or vapor are not extracted; therefore, aboveground treatment facilities or discharge permits are not required.

9.3.2 Disadvantages

Chemical oxidation can be limited by the delivery of the chemical into the formation with a finite radius of influence surrounding the injection wells and may require multiple treatments to bring the oxidant into sufficient contact with the residual constituents of concern (and/or NAPL) to provide adequate source removal. Injected chemicals will follow the path of greatest permeability and may not reach constituents of concern in tighter formations. Additionally, some oxidants are delivered and most effectively transported via the dissolved-phase; therefore, those chemical oxidizers generally do not degrade the residual constituents of concern in the vadose zone. This method may require an injection permit and a modified groundwater sampling program.

Chemical injection also presents safety concerns as the reaction can generate heat, pressure, and unfavorable byproducts in the subsurface, which can cause potential surfacing of the injected chemical or affect subsurface structures in the vicinity.

9.3.3 Site Application

Cardno ERI concludes that chemical oxidation injection is not feasible given that an operating gasoline service station with active USTs occupies the site.

9.4 Groundwater Pump and Treat

GWPT removes dissolved-phase constituents of concern by extracting and treating groundwater. This technology is most efficient at sites where constituents of concern have a low adsorption coefficient. The

effluent, treated as necessary, is discharged to a storm drain or sanitary sewer in accordance with state or local permits obtained on a site-specific basis.

9.4.1 Advantages

GWPT may be effective in limiting the further migration of groundwater. It is advantageous for chemicals that have a low Henry's Law coefficient (such as MTBE or TBA), which would be difficult to remove with air sparging.

9.4.2 Disadvantages

Factors limiting efficiency are: 1) hydrogeologic factors such as subsurface heterogeneity, aquifers of very low permeability and presence of fractures; 2) chemical-related factors such as a chemical's potential to sorb to the soil or rock comprising the aquifer; and 3) necessity of aboveground treatment, discharge, and/or disposal. Also, GWPT does not remove adsorbed-phase constituents of concern from the vadose zone.

9.4.3 Site Application

Cardno ERI considered GWPT to remediate groundwater with dissolved-phase TPHg and BTEX at the site; however, the lack of chemicals with a low Henry's Law coefficient (such as MTBE) and presence of chemicals with a potential to sorb to soil (such as benzene) combined with the results of previous remedial efforts indicate that GWPT is not a feasible remedial alternative.

9.5 Dual-Phase Extraction

This technology consists of simultaneous vapor and groundwater extraction. If both vapor and groundwater are extracted from a common pipe or hose, the method is usually termed DPE. If vapor and groundwater are extracted via different pipes or hoses (e.g., a pump in the well), the technique is usually termed vapor extraction/groundwater extraction (VEGE). If NAPL is also extracted, the technique has been called MPE. A high-vacuum DPE system combination enhances the effectiveness of both fluid and vapor extraction systems.

As the groundwater is pumped out of the wells, the water table beneath the site is lowered and soil containing hydrocarbons in the capillary fringe and uppermost portion of the saturated zone is locally exposed. The exposed capillary fringe soil may then be remediated through SVE if the soil types are permeable (i.e., gravel, sand or sand/silt). The extracted vapor is typically treated by thermal or catalytic oxidation, or other appropriate treatment technologies.

9.5.1 Advantages

This technology can remediate adsorbed constituents of concern in the capillary fringe and upper saturated zone and may prevent migration of groundwater containing hydrocarbons.

9.5.2 Disadvantages

The effectiveness of the DPE system is sometimes contingent upon successfully lowering the water table so SVE can remove hydrocarbons adsorbed onto the soil as well as residual NAPL, if present. For highly permeable soils, a large quantity of water would have to be pumped to effectively lower the water table beneath the site or prevent migration of dissolved phase hydrocarbons. For soils of low permeability, high vacuums must be applied.

9.5.3 Site Application

Cardno ERI considered use of DPE to address dissolved-phase hydrocarbons, possible immobile NAPL, and adsorbed hydrocarbons beneath the site. Data obtained during the DPE feasibility testing at the site indicate that DPE produced a vacuum radius of influence (ROI) of 43 to 46 feet, a groundwater drawdown of approximately 4 feet, and a mass removal rate of up to 6 pounds of TPHg per hour (ERI, 2001b). Cardno ERI considers high-vacuum DPE a viable method for the subject site.

10.0 PROPOSED WORK

Cardno ERI proposes to install one additional remediation well (RW4) and a DPE remediation system to extract soil vapor and groundwater from four wells to progress the site to closure. In addition to proposed well RW4 (Plate 2), wells MW6B, MW6H, and RW1 would also be connected to the system.

10.1 Pre-Drilling Activities

Prior to the onset of drilling, a well installation permit will be obtained from the County. Cardno ERI personnel will visit the site to check for obstructions and to mark the proposed location. Underground Service Alert will be notified at least 48 hours prior to the onsite of field activities. Prior to drilling, the location will be excavated with air, water, and hand tools to a depth of 4 to 8 feet bgs in accordance with EMES protocols. Cardno ERI will obtain an encroachment permit to trench to well MW6H. The procedures for well installation are described in the field protocols presented in Appendix H.

10.2 Well Installation and Sampling Activities

Well RW4 will be advanced to approximately 9 to 12 feet below static groundwater, estimated to be approximately 30 feet bgs. The drilling location will be sampled at 5-foot intervals and continuously across anticipated screened intervals to total depth for geological logging purposes. Select soil samples will be submitted for laboratory analysis.

The proposed well will be constructed using 4-inch diameter, Schedule 40 PVC, with a screen approximately 10 feet in length, positioned during well installation in the zone of maximum residual hydrocarbon concentrations.

10.3 Laboratory Analyses

Select soil vapor and soil samples will be submitted for analysis to an EMES-approved, state-certified analytical laboratory. The samples will be analyzed for motor oil, TPHd, and TPHg by EPA Method 8015B or TO-3M; BTEX, fuel oxygenates (MTBE, DIPE, ETBE, TAME, TBA), and lead scavengers (1,2-DCA and EDB) by EPA Method 8260B or TO-15; and total lead by 6010B.

10.4 Waste Management Plan

The soil and rinsate water generated during drilling activities will be temporarily stored on site in DOT-approved, 55-gallon drums. Waste cuttings will be transported to an EMES-approved facility. Copies of the waste documentation for the disposal of soil and water will be included in the report.

10.5 Site Safety Plan

Fieldwork will be performed in accordance with a site-specific safety plan.

10.6 Dual-Phase Extraction System

In ERI's *Dual-Phase Extraction Pilot Test* (ERI, 2001), ERI concluded:

- DPE is an effective method for source removal at the site.
- Because induced vacuum was not observed in the observation wells, the effective vacuum ROI is less than 20 feet, the distance to the nearest observation well.
- A sustained liquid-phase flow during DPE of 0.5 gpm will produce a downgradient groundwater capture zone of approximately 70 to 380 feet.

Based on the results of the feasibility test, DPE is an appropriate remedial action to remediate shallow soil, and groundwater concentrations on site and downgradient of the former USTs and dispensers.

Cardno ERI proposes to install a DPE remediation system using proposed remediation well RW4, existing remediation well RW1, and groundwater monitoring wells MW6B and MW6H. The wells will be connected to a vacuum blower capable of at least 120 scfm at 20 inches of mercury. Extracted groundwater will be directed into a holding tank, through sediment filters, and three 2,000-pound GAC vessels arranged in series prior to discharge into the sanitary sewer. The operation of the groundwater treatment system will require an East Bay Municipal Utility District (EBMUD) Wastewater Discharge Permit. Extracted soil vapor will be directed to an electric or thermal oxidizer prior to emission to the atmosphere. Operation of the oxidizer will occur under the authority of the Bay Area Air Quality Management District (BAAQMD).

The remediation system will be located in the southwest corner of the site. The remediation equipment will be secured behind a fence.

10.6 Permits and Notifications

Permits will be acquired prior to system start-up, including the BAAQMD air permit and EBMUD discharge permit. Notifications to the appropriate parties will be made in accordance with permit requirements and County guidelines.

11.0 CONCLUSIONS

The current land use at the site (active gasoline service station) limits the remedial alternatives available for implementation. Based on current site conditions and an evaluation of standard remedial alternatives, Cardno ERI concludes that excavation, GWPT, SVE, and chemical oxidation are not currently viable alternatives for remediation.

Based on the data collected during DPE feasibility testing (ERI, 2001):

- The average pumping rate of approximately 1 gpm achieved from wells RW1 and RW2 is an appropriate groundwater extraction rate for DPE.
- The observed vacuum ROI was less than 20 feet.
- Mass removal rates for DPE were up to approximately 2.7 pounds of TPHg per hour.

Cardno ERI concludes that DPE is a feasible remedial technology for the site.

12.0 RECOMMENDATIONS

Cardno ERI recommends the use of DPE technology at the site to remediate hydrocarbon concentrations in soil, soil vapor, and groundwater. Cardno ERI recommends installing one additional DPE well (RW4) near borings B9 and CPT3 and wells RW1 and MW6B.

13.0 CONTACT INFORMATION

The responsible party contact is Ms. Jennifer C. Sedlachek ExxonMobil Environmental Services, 4096 Piedmont Avenue #194, Oakland, California, 94611. The consultant contact is Ms. Rebekah A. Westrup, Cardno ERI, 601 N. McDowell Boulevard, Petaluma, California, 94954. The agency contact is Ms. Barbara Jakub, P.G., Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577.

14.0 LIMITATIONS

For any documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document was prepared in accordance with generally accepted standards of environmental, geological, and engineering practices in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

15.0 DOCUMENT DISTRIBUTION

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The Valero Companies
Environmental Liability Management
P.O. Box 696000
San Antonio, Texas 78269

Mr. Lam Truong
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Oakland, California 94612

16.0 REFERENCES

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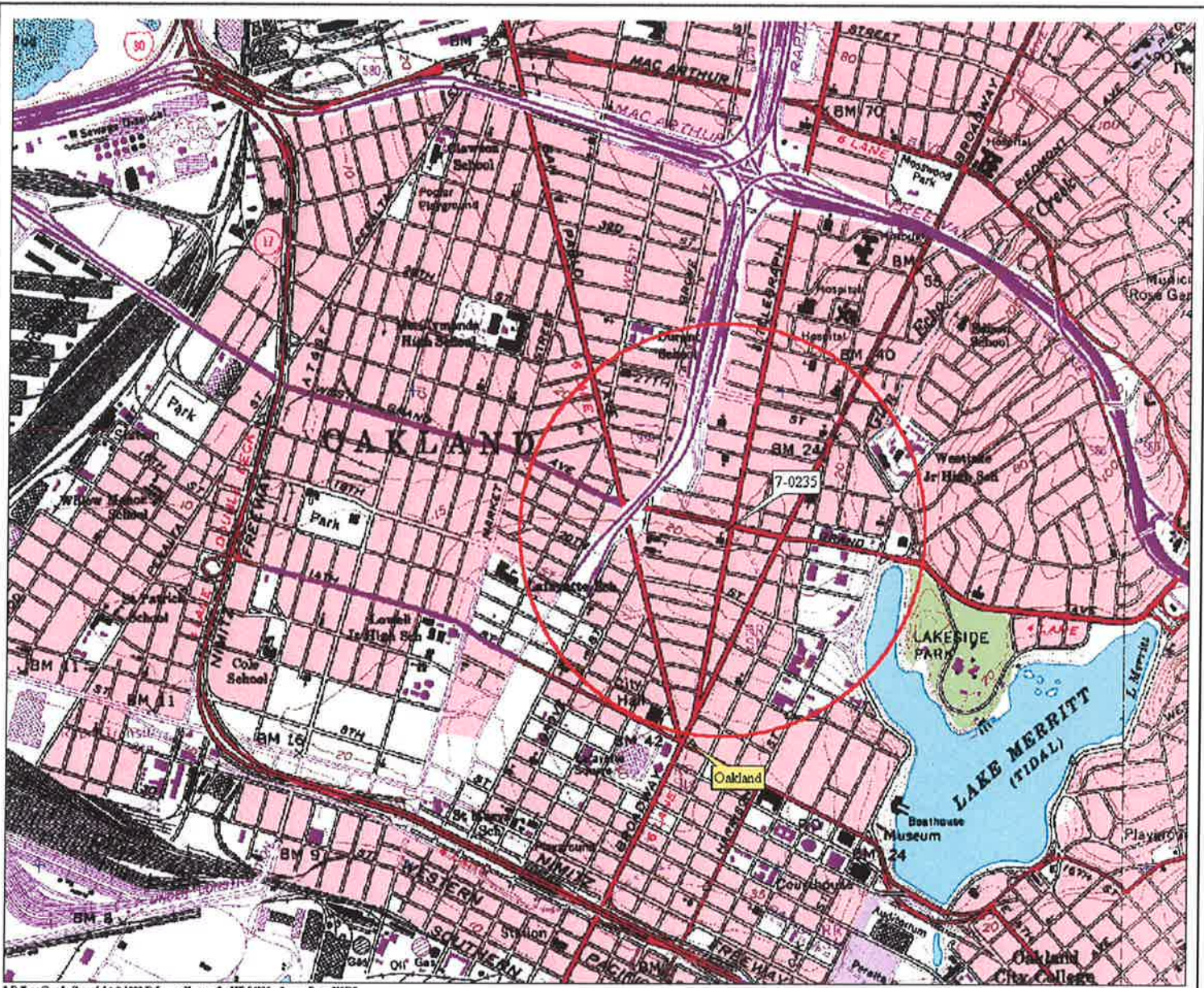
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17.0 ACRONYM LIST

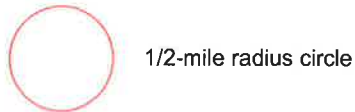
µg/L	Micrograms per liter	NEPA	National Environmental Policy Act
µs	Microsiemens	NGVD	National Geodetic Vertical Datum
1,2-DCA	1,2-dichloroethane	NPDES	National Pollutant Discharge Elimination System
acfm	Actual cubic feet per minute	O&M	Operations and Maintenance
AS	Air sparge	ORP	Oxidation-reduction potential
bg	Below ground surface	OSHA	Occupational Safety and Health Administration
BTEX	Benzene, toluene, ethylbenzene, and total xylenes	OVA	Organic vapor analyzer
CEQA	California Environmental Quality Act	P&ID	Process & Instrumentation Diagram
cfm	Cubic feet per minute	PAH	Polycyclic aromatic hydrocarbon
COC	Chain of Custody	PCB	Polychlorinated biphenyl
CPT	Cone Penetration (Penetrometer) Test	PCE	Tetrachloroethene or perchloroethylene
DIPE	Di-isopropyl ether	PID	Photo-ionization detector
DO	Dissolved oxygen	PLC	Programmable logic control
DOT	Department of Transportation	POTW	Publicly owned treatment works
DPE	Dual-phase extraction	ppmv	Parts per million by volume
DTW	Depth to water	PQL	Practical quantitation limit
EDB	1,2-dibromoethane	psi	Pounds per square inch
EPA	Environmental Protection Agency	PVC	Polyvinyl chloride
ESL	Environmental screening level	QA/QC	Quality assurance/quality control
ETBE	Ethyl tertiary butyl ether	RBSL	Risk-based screening levels
FID	Flame-ionization detector	RCRA	Resource Conservation and Recovery Act
fpm	Feet per minute	RL	Reporting limit
GAC	Granular activated carbon	scfm	Standard cubic feet per minute
gpd	Gallons per day	SSTL	Site-specific target level
gpm	Gallons per minute	STLC	Soluble threshold limit concentration
GWPTS	Groundwater pump and treat system	SVE	Soil vapor extraction
HVOC	Halogenated volatile organic compound	SVOC	Semivolatile organic compound
J	Estimated value between MDL and PQL (RL)	TAME	Tertiary amyl methyl ether
LEL	Lower explosive limit	TBA	Tertiary butyl alcohol
LPC	Liquid-phase carbon	TCE	Trichloroethene
LRP	Liquid-ring pump	TOC	Top of well casing elevation; datum is msl
LUFT	Leaking underground fuel tank	TOG	Total oil and grease
LUST	Leaking underground storage tank	TPHd	Total petroleum hydrocarbons as diesel
MCL	Maximum contaminant level	TPHg	Total petroleum hydrocarbons as gasoline
MDL	Method detection limit	TPHmo	Total petroleum hydrocarbons as motor oil
mg/kg	Milligrams per kilogram	TPHs	Total petroleum hydrocarbons as stoddard solvent
mg/L	Milligrams per liter	TRPH	Total recoverable petroleum hydrocarbons
mg/m ³	Milligrams per cubic meter	UCL	Upper confidence level
MPE	Multi-phase extraction	USCS	Unified Soil Classification System
MRL	Method reporting limit	USGS	United States Geologic Survey
msl	Mean sea level	UST	Underground storage tank
MTBE	Methyl tertiary butyl ether	VCP	Voluntary Cleanup Program
MTCA	Model Toxics Control Act	VOC	Volatile organic compound
NAI	Natural attenuation indicators	VPC	Vapor-phase carbon
NAPL	Non-aqueous phase liquid		



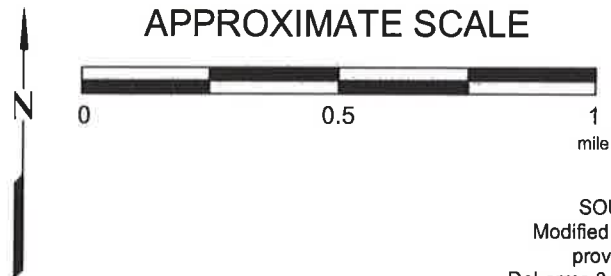
3-D TopoQuads Copyright © 1999 DeLorme Topograph, Inc. 04099 Source Data: USGS 550 ft Scale: 1 : 19,200 Detail: 8.5 ft Datum: WGS84

FN 2229Topo

EXPLANATION



APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads



SITE VICINITY MAP
FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

PROJECT NO.
2229
PLATE
1



FN 2229 R25 GSP_RPT



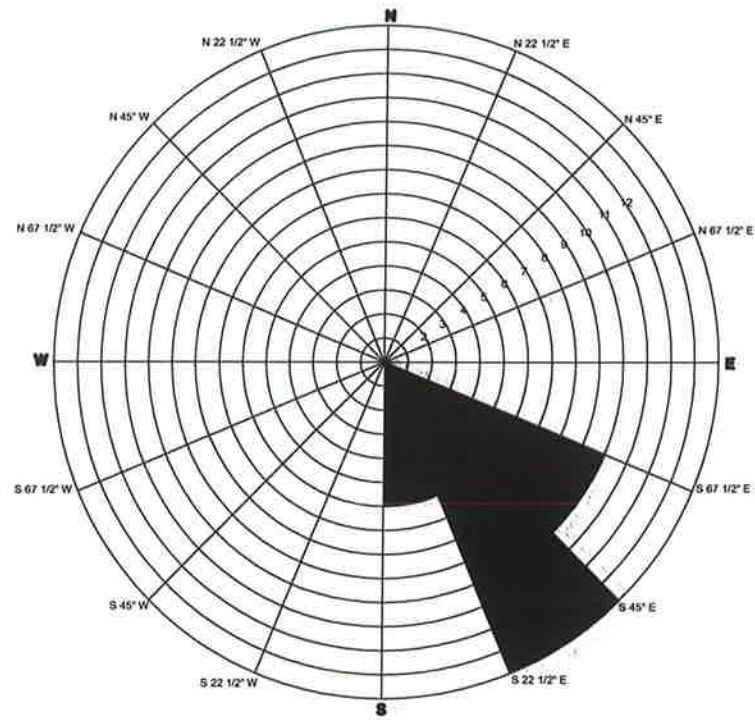
GENERALIZED SITE PLAN
 FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Groundwater Monitoring Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B6 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA
- AB6 Hand Auger-HLA
- CPT3 Cone Penetration Text Boring
- HP3 Hydropunch Boring
- DP2 Direct Push Boring
- RW4 Proposed Recovery Groundwater Monitoring Well

PROJECT NO.
2229

PLATE
2



GROUNDWATER FLOW DIRECTION ROSE DIAGRAM
 Second Quarter 2003-Third Quarter 2011



9.25 - - - - Line of Equal Groundwater Elevation;
 datum is mean sea level

FN 2229 12 R25 11 3QTR QM_RPT



GROUNDWATER ELEVATION MAP
 August 23, 2011
 FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION	
MW6J	Groundwater Monitoring Well
7.57	Groundwater elevation in feet; datum is mean sea level
RW3A	Recovery Groundwater Monitoring Well

PROJECT NO.
2229
PLATE
3

Analyte concentrations in µg/L
 Sampled August 23, 2011

Total Petroleum Hydrocarbons
 as gasoline
 Benzene
 Methyl Tertiary Butyl Ether

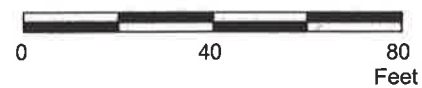
< Less Than the Stated Laboratory
 Reporting Limit

µg/L Micrograms per Liter

d Hydrocarbon pattern is present in
 the requested fuel quantitation
 range but does not resemble
 the pattern of the requested fuel.



APPROXIMATE SCALE



FN 2229 12 R25 11 3QTR QM_RPT



SELECT ANALYTICAL RESULTS
 August 23, 2011
 FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

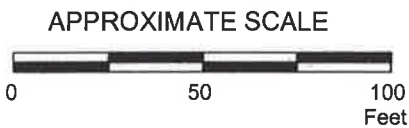
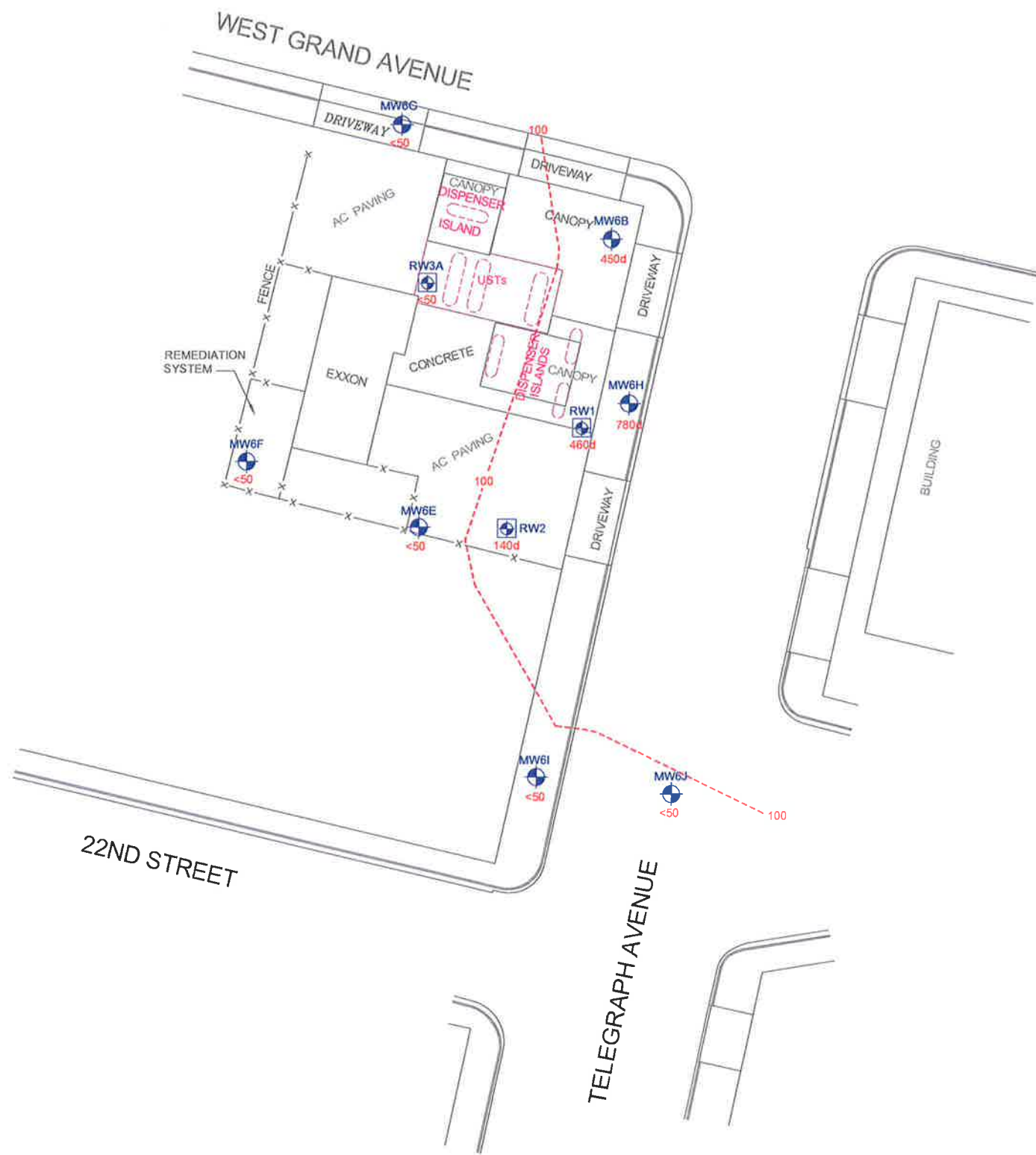
- MW6J
 Groundwater Monitoring Well
- RW3A
 Recovery Groundwater Monitoring Well

PROJECT NO.

2229

PLATE

4



FN 2229 12 R25 TPHD ISO_RPT

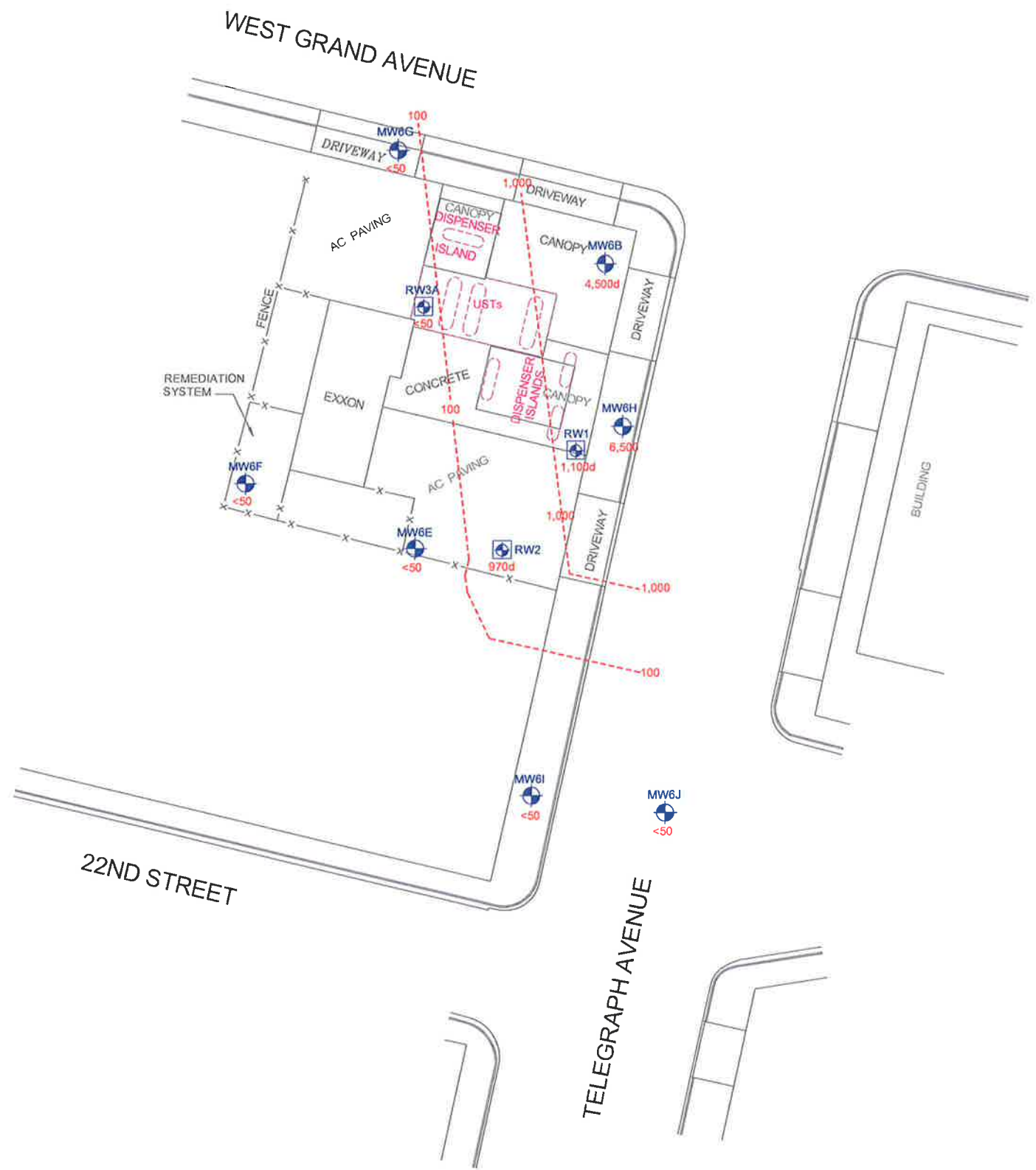


TPHd ISOCONCENTRATION MAP
August 23, 2011
 FORMER EXXON STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION		(micrograms per Liter [ug/L])
	MW6J Groundwater Monitoring Well	
	<50 TPHd concentration (ug/L)	
	RW3A Recovery Well	
	100 ----- Line of Equal TPHd Concentration (ug/L)	
	d The hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.	

PROJECT NO.
2229

PLATE
5

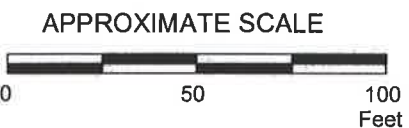


FN 2229 12 R25 TPHG ISO_RPT

TPHg ISOCONCENTRATION MAP
August 23, 2011
 FORMER EXXON STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION		(micrograms per Liter [ug/L])
MW6J	Groundwater Monitoring Well	
<50	TPHg concentration (ug/L)	
RW3A	Recovery Well	
1,000	Line of Equal TPHg Concentration (ug/L)	
d	The hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.	

PROJECT NO.	2229
PLATE	6



FN 2229 12 R25 BENZENE ISO_RPT

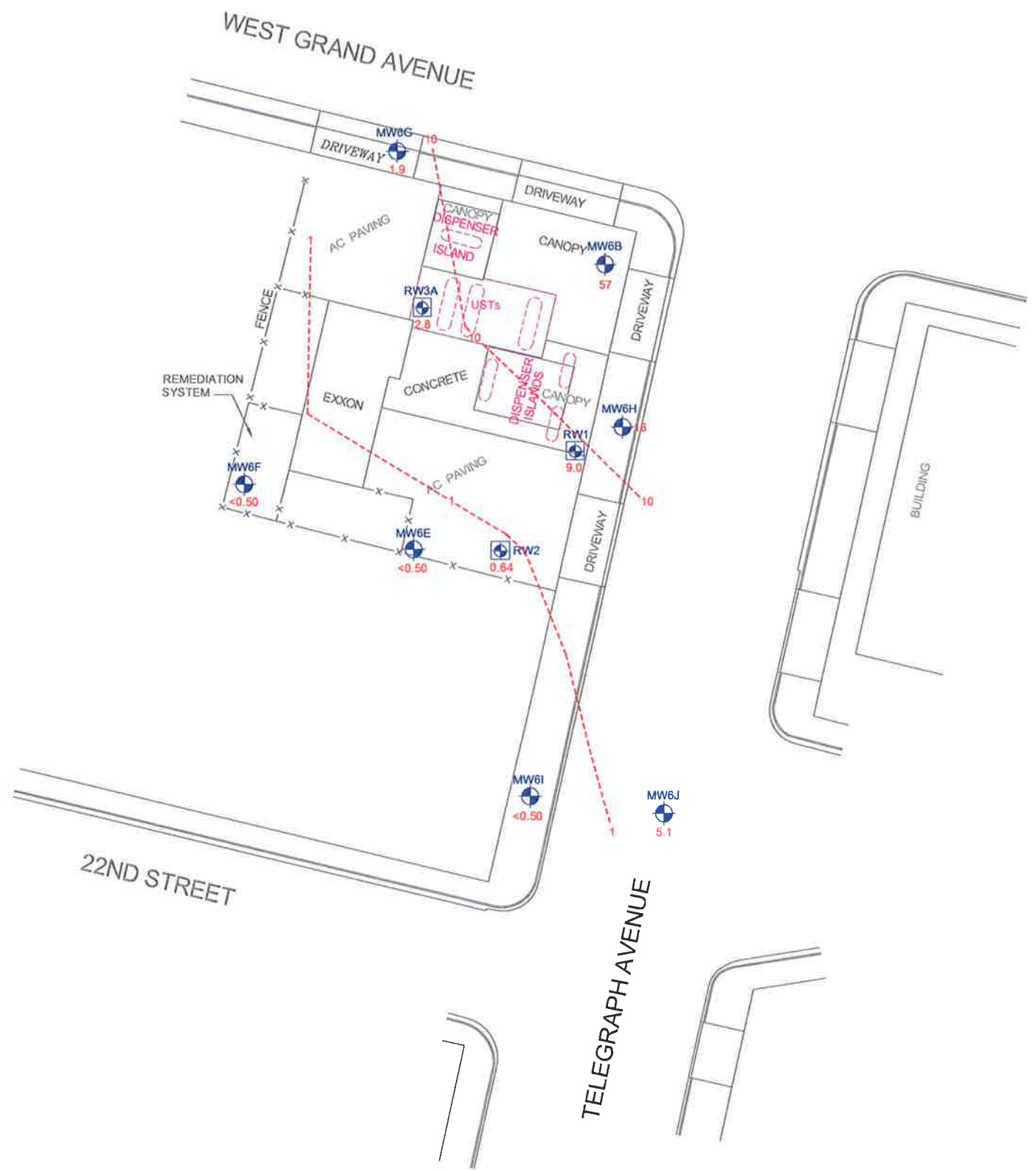


BENZENE ISOCONCENTRATION MAP
August 23, 2011
 FORMER EXXON STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION		(micrograms per Liter (ug/L))
MW6J	Groundwater Monitoring Well	
<math><0.50</math>	Benzene concentration (ug/L)	
RW3A	Recovery Well	
1,000	Line of Equal Benzene Concentration (ug/L)	

PROJECT NO.
2229

PLATE
7



FN 2229 12 R25 MTBE ISO_RPT

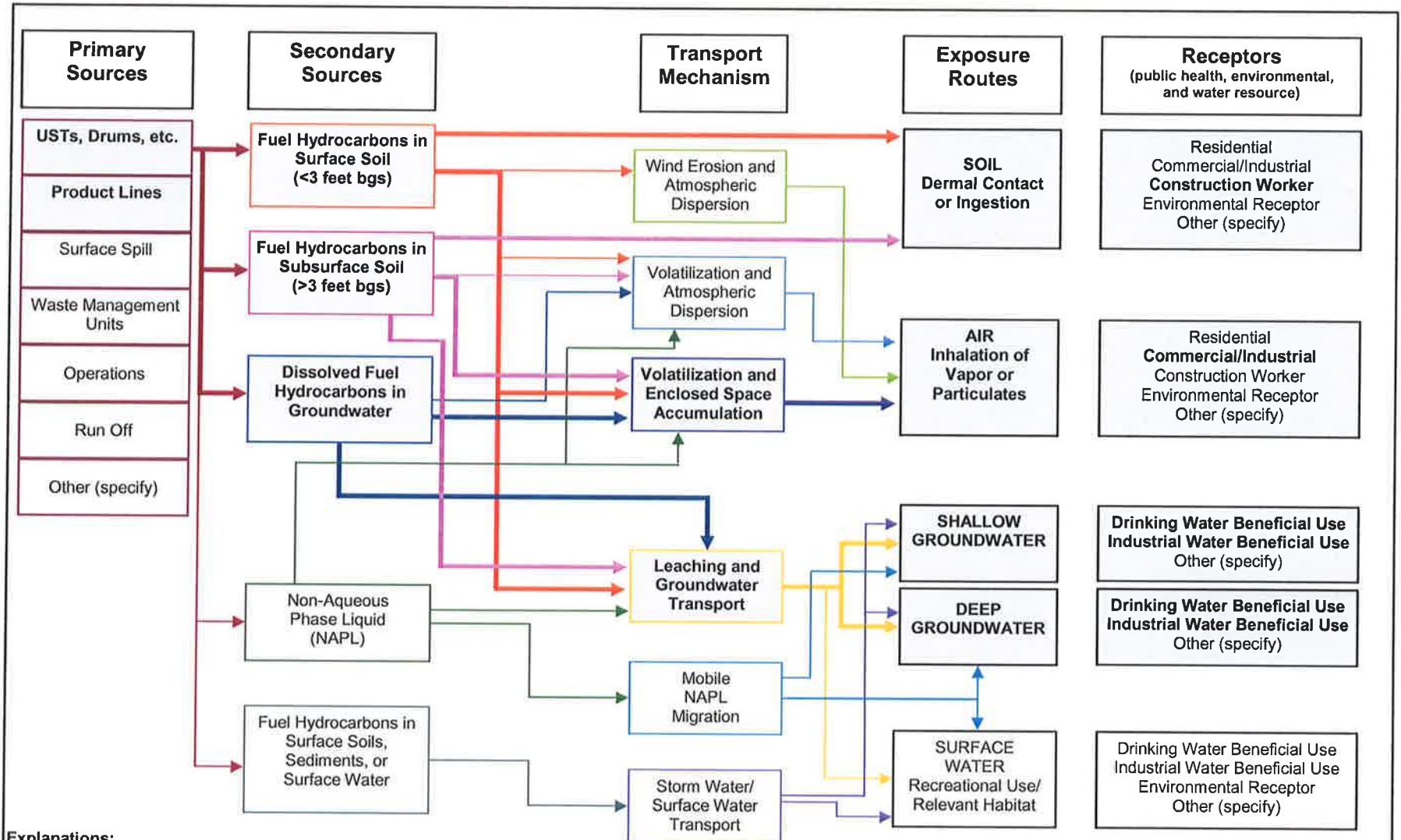


MTBE ISOCONCENTRATION MAP
August 23, 2011
 FORMER EXXON STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION		(micrograms per Liter [ug/L])
	MW6J Groundwater Monitoring Well	5.1 MTBE concentration (ug/L)
	RW3A Recovery Well	10 ----- Line of Equal MTBE Concentration (ug/L)

PROJECT NO.
2229

PLATE
8

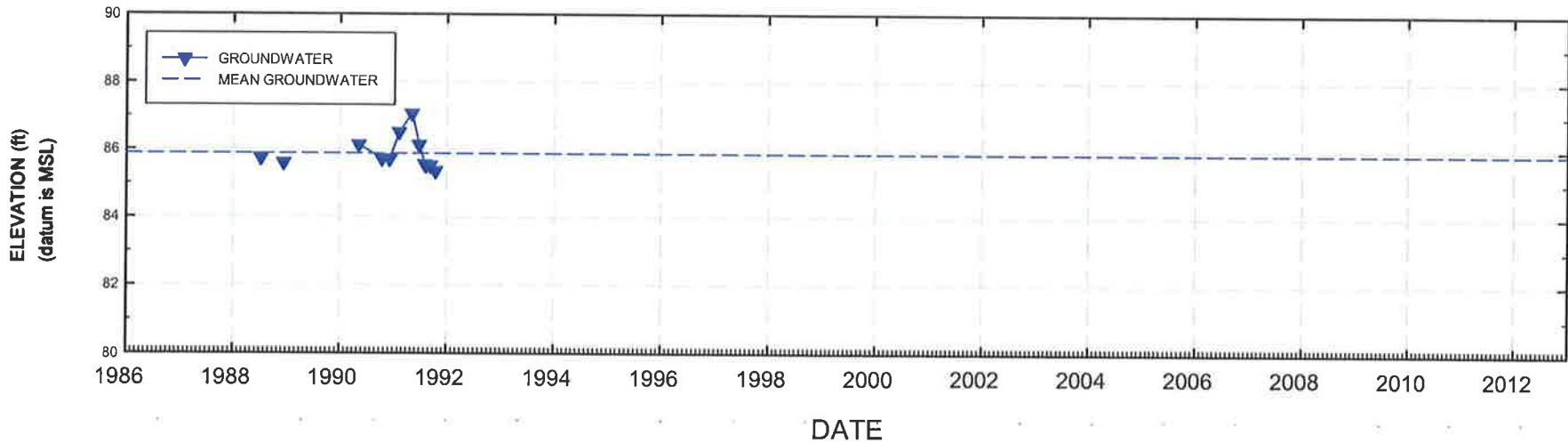
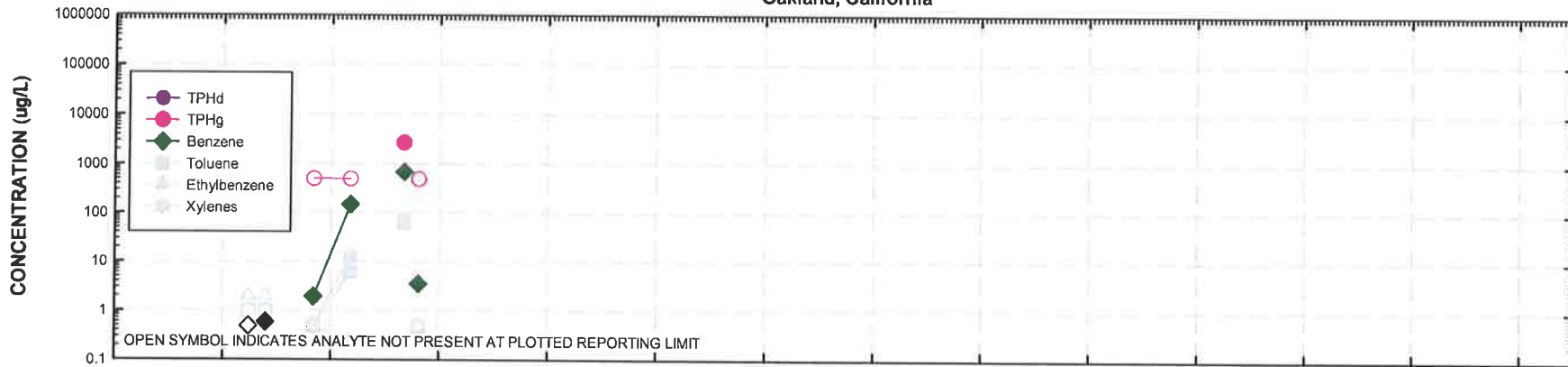


Explanations:
 feet bgs = Feet below ground surface.
 Bold print and shaded boxes indicate a potentially complete exposure pathway.

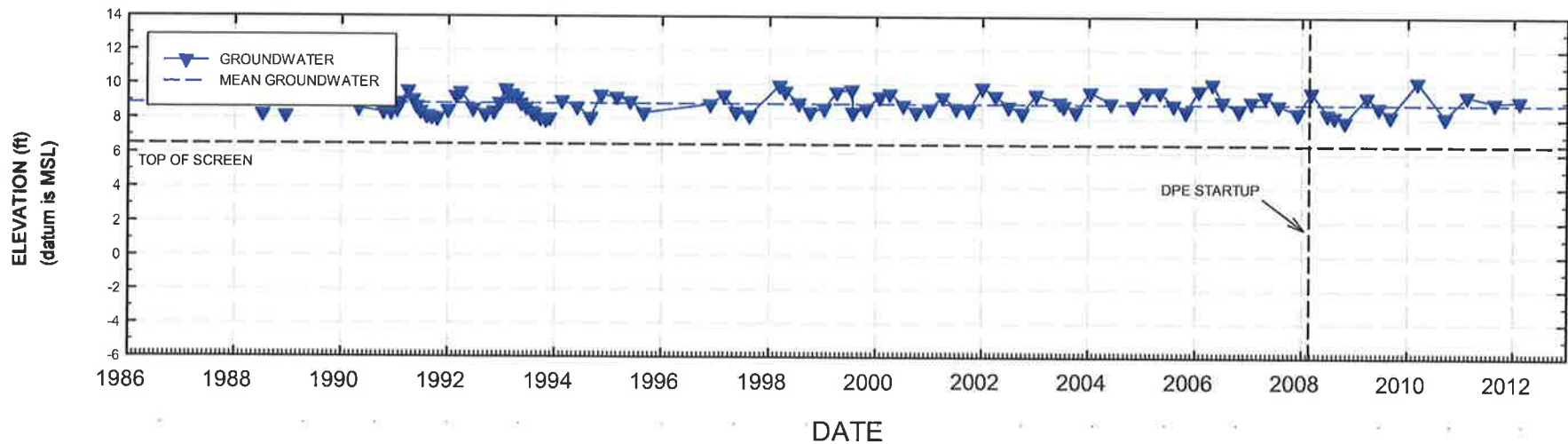
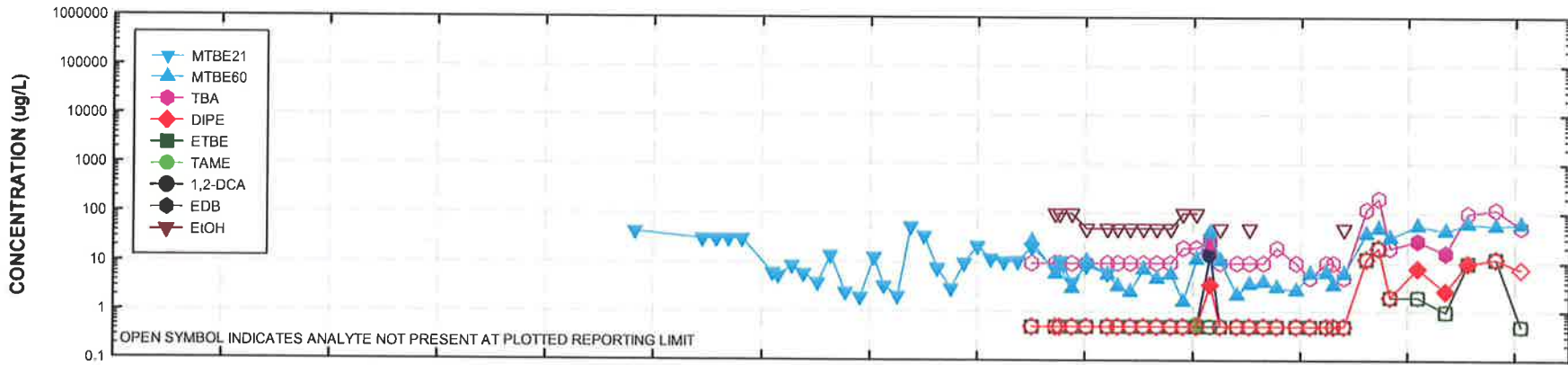
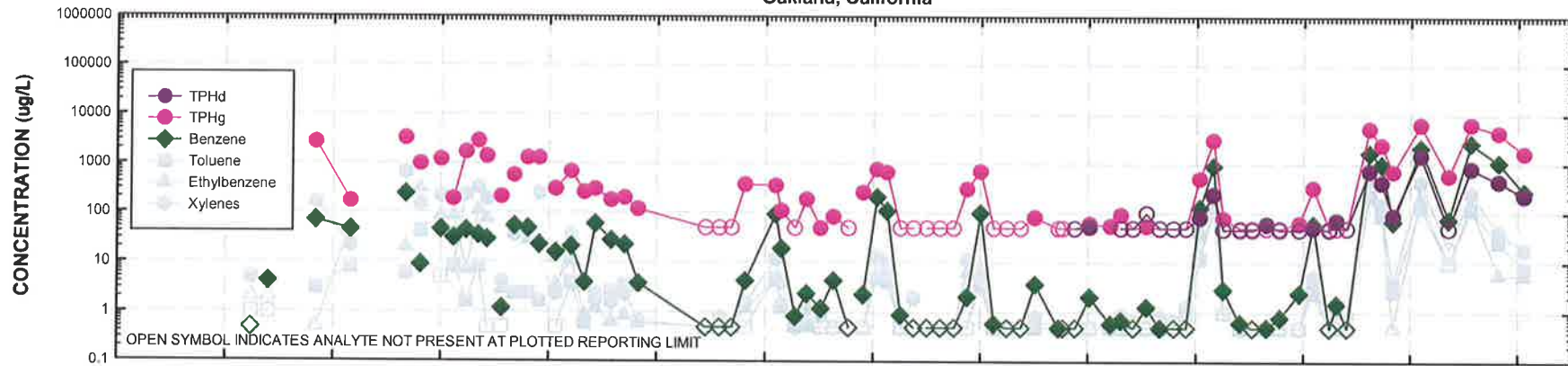
Source: ASTM E 1689-95

	CONCEPTUAL SITE EXPOSURE MODEL Former Exxon Service Station 70235 2225 Telegraph Avenue Oakland, California	Project No. 2229
		Plate 9

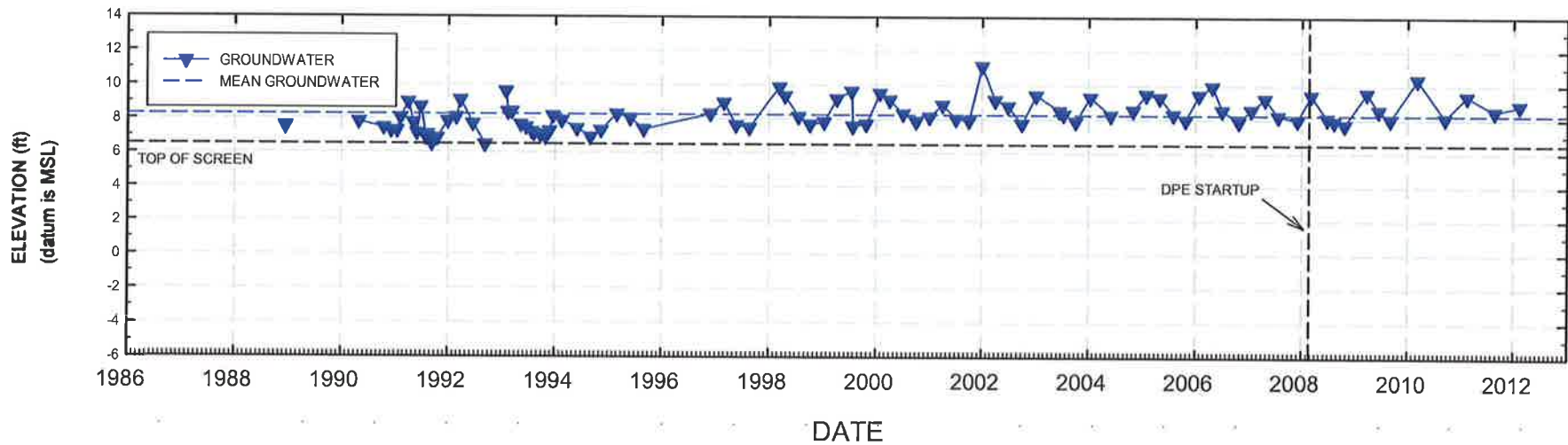
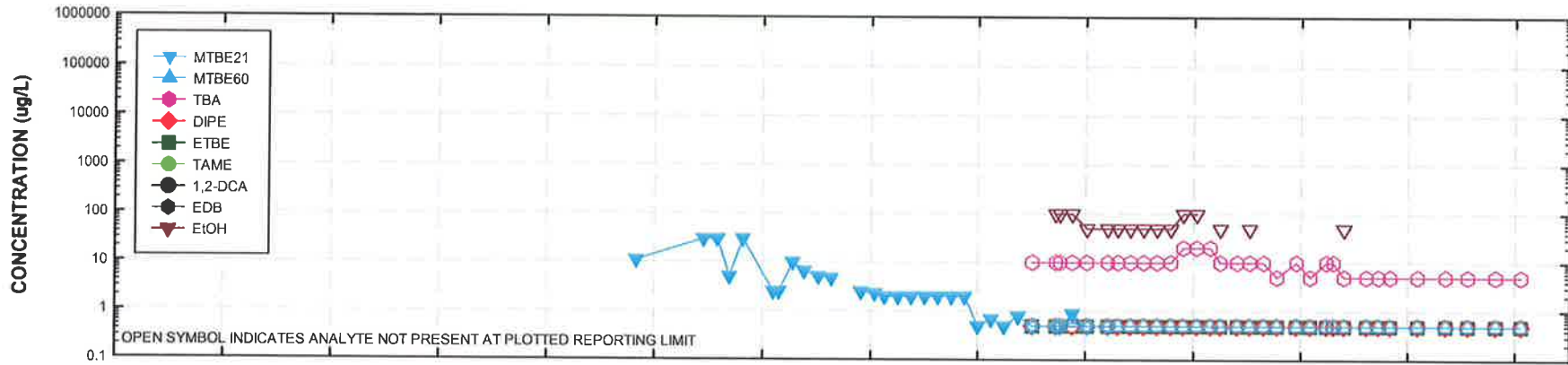
HYDROGRAPH - WELL 6A
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



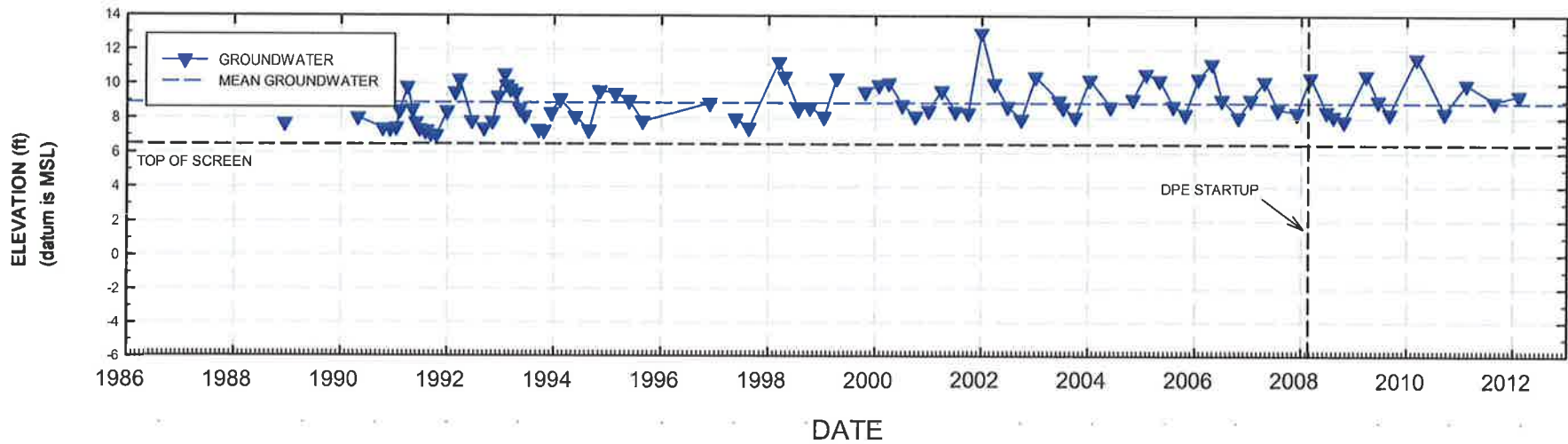
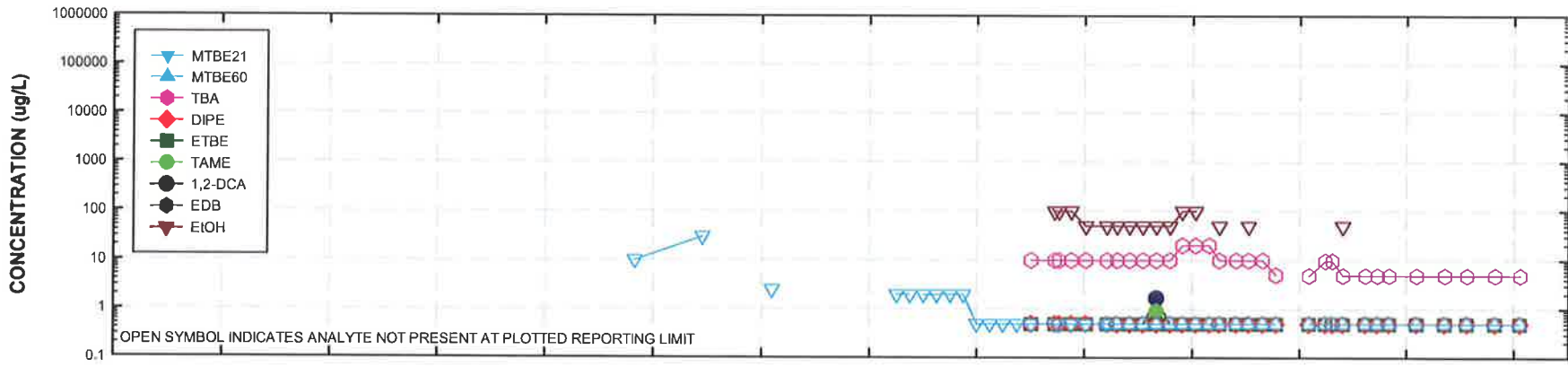
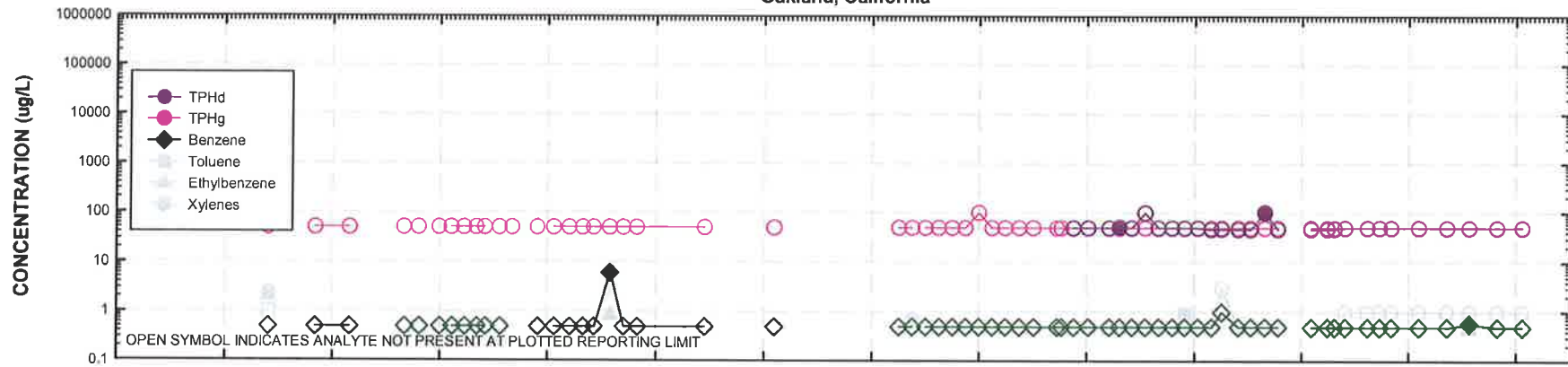
HYDROGRAPH - WELL6B
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



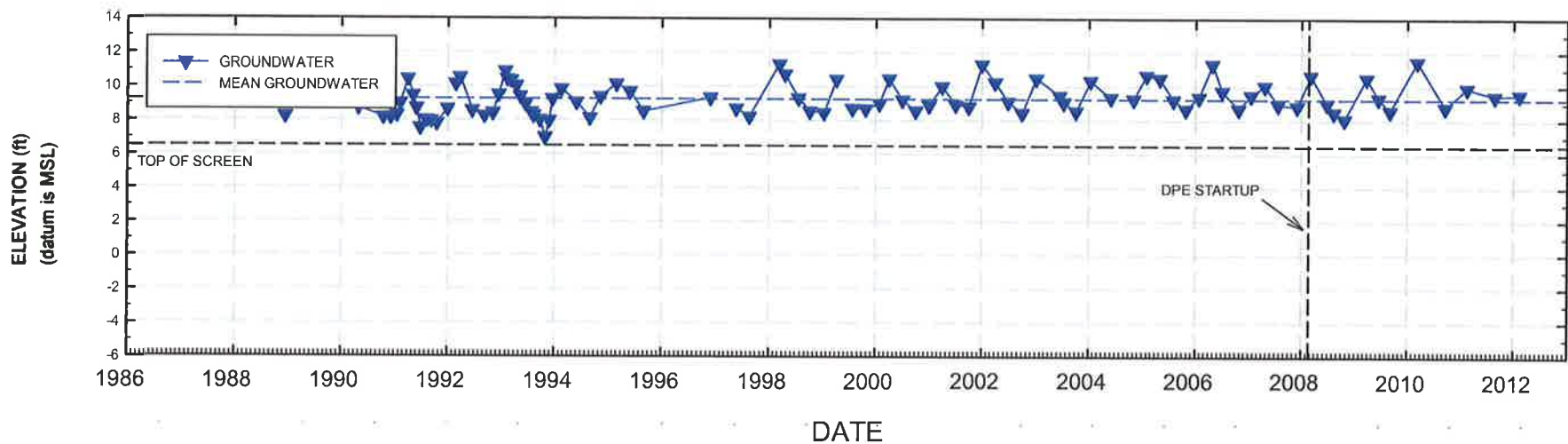
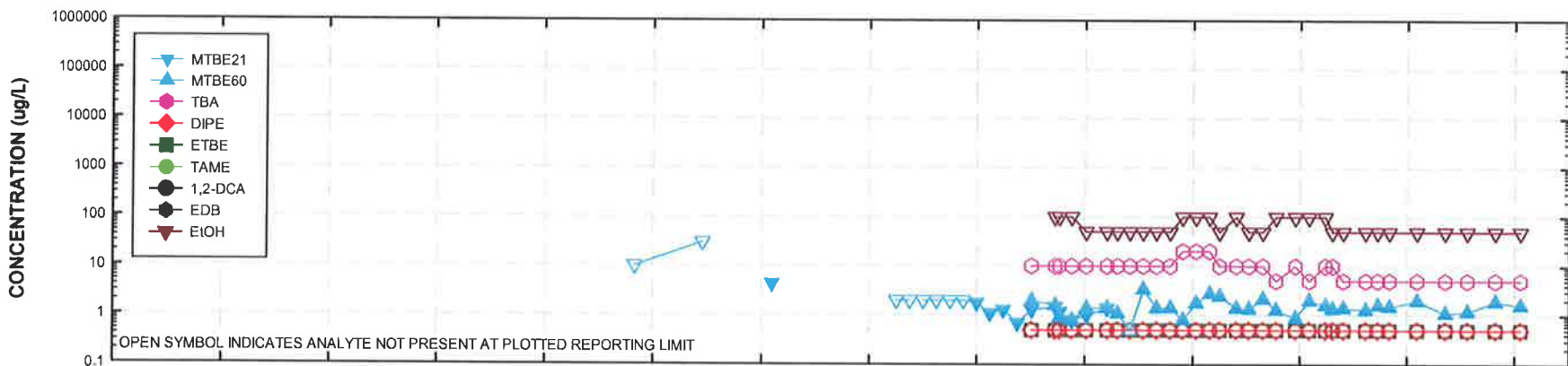
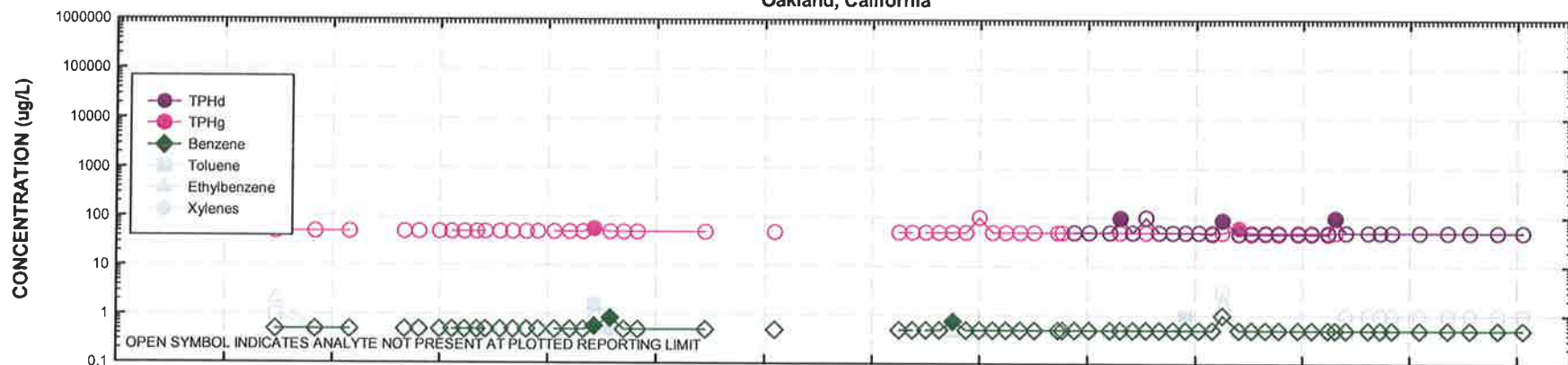
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



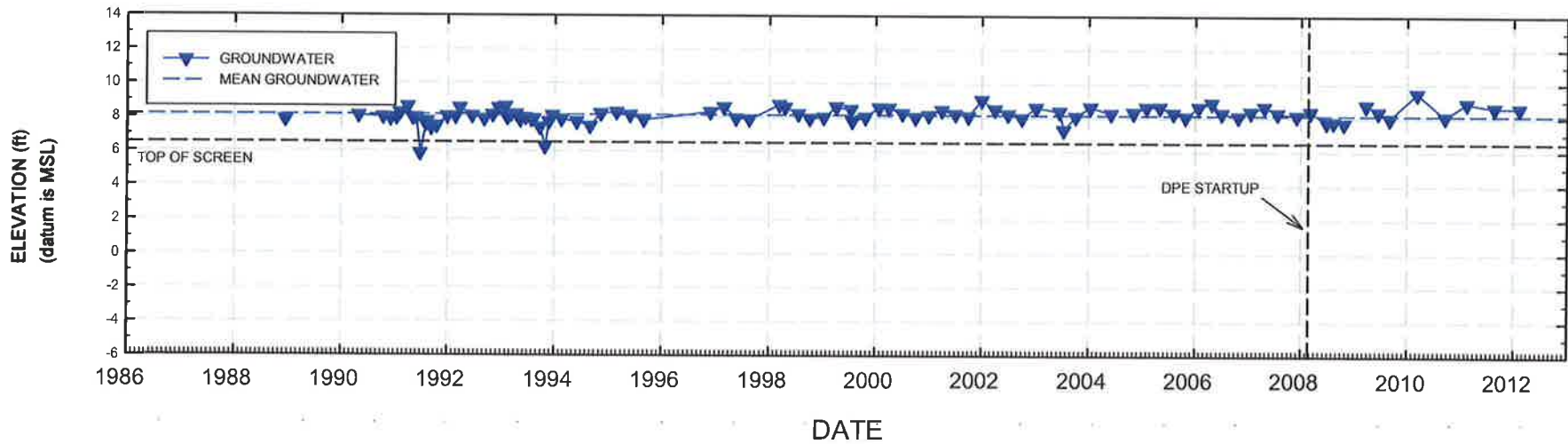
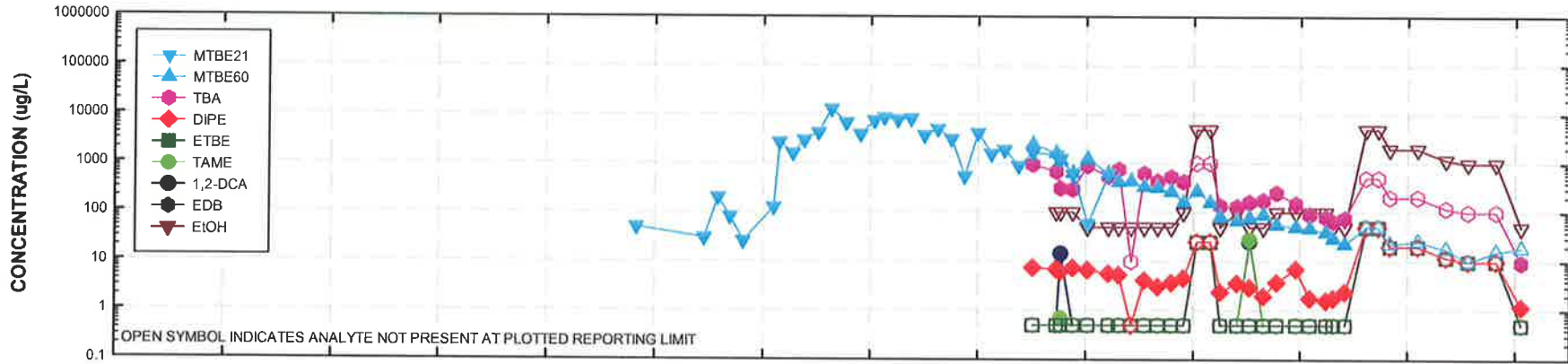
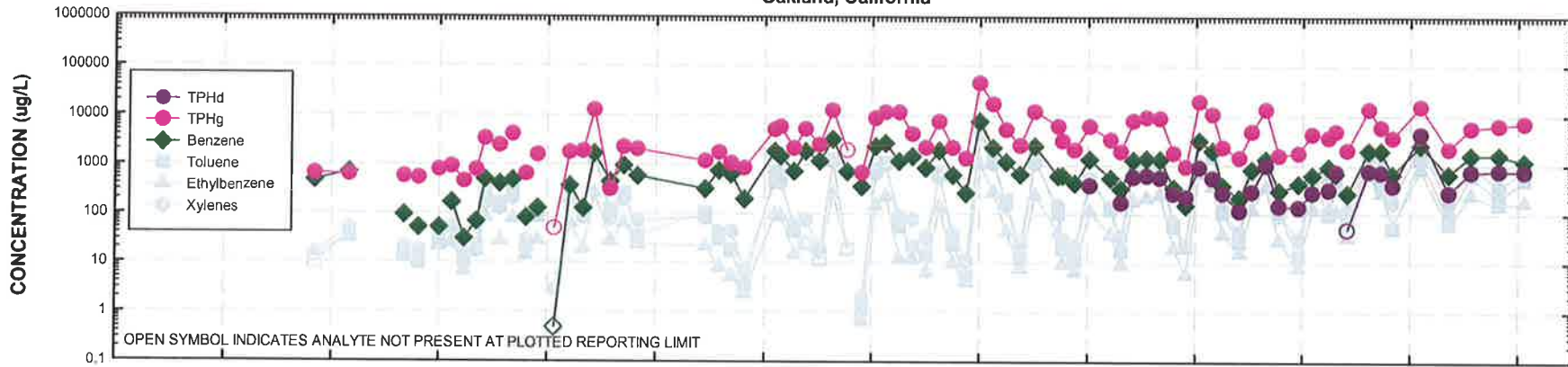
HYDROGRAPH - WELL6F
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



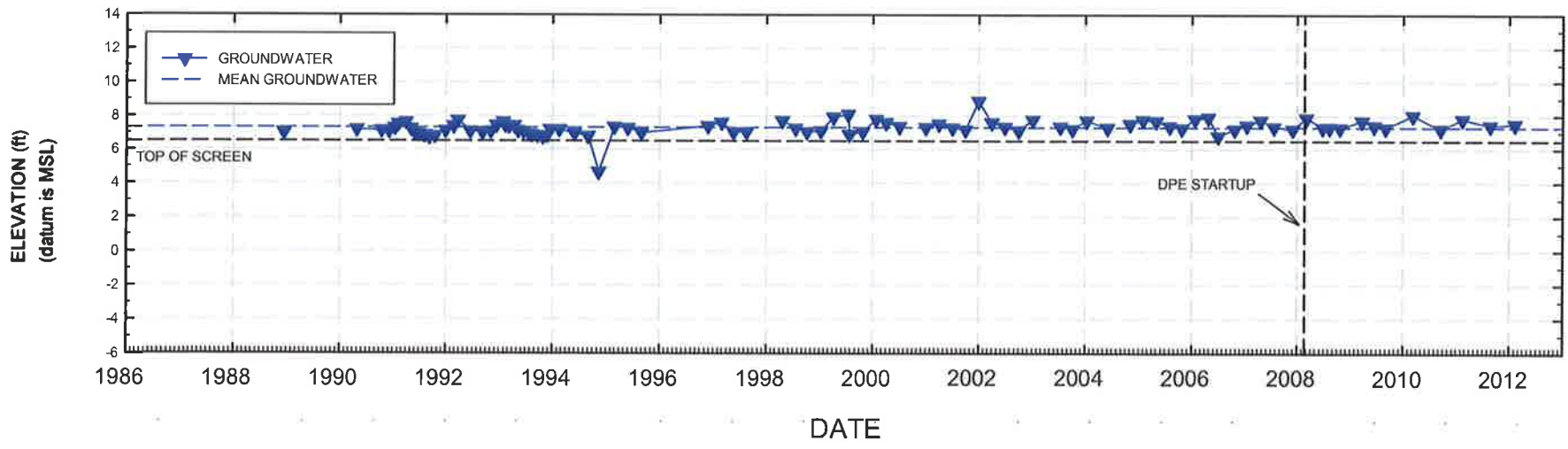
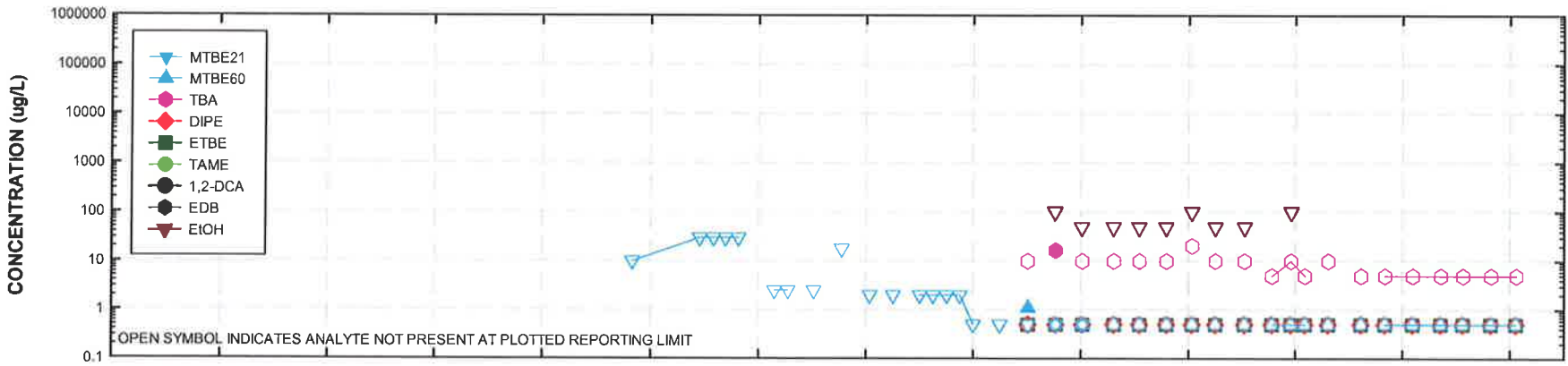
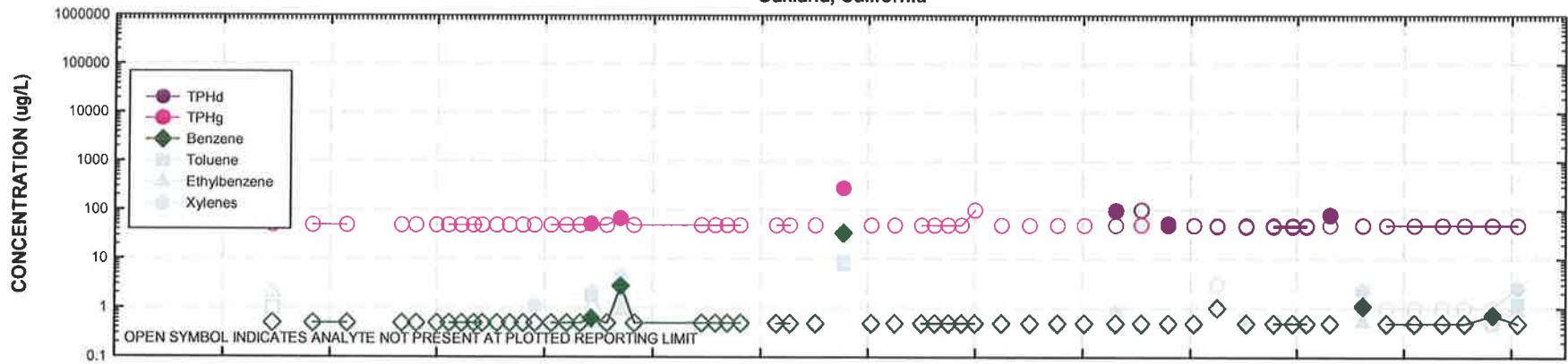
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



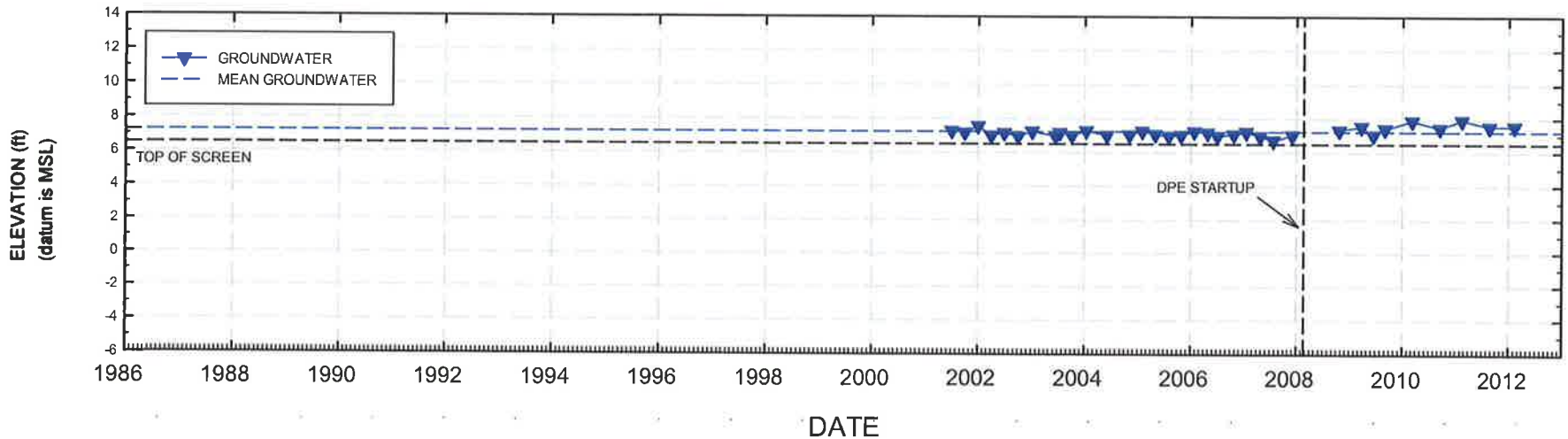
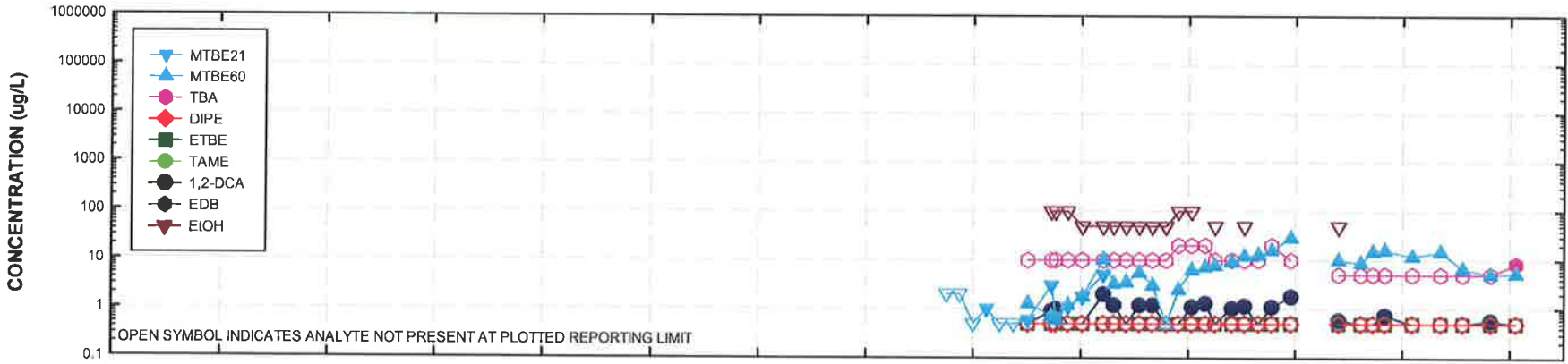
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



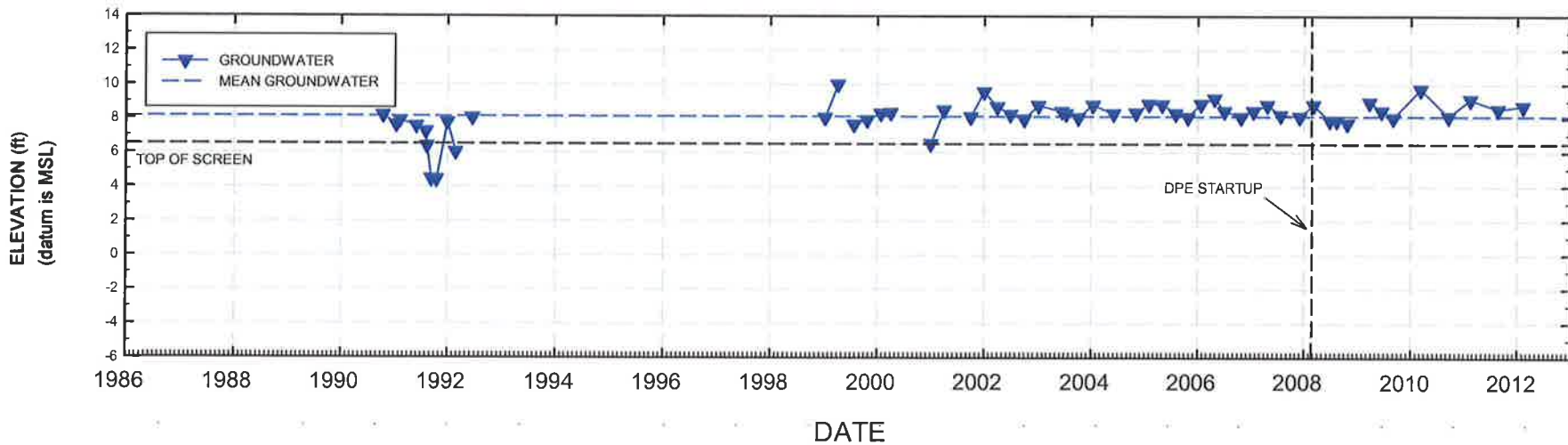
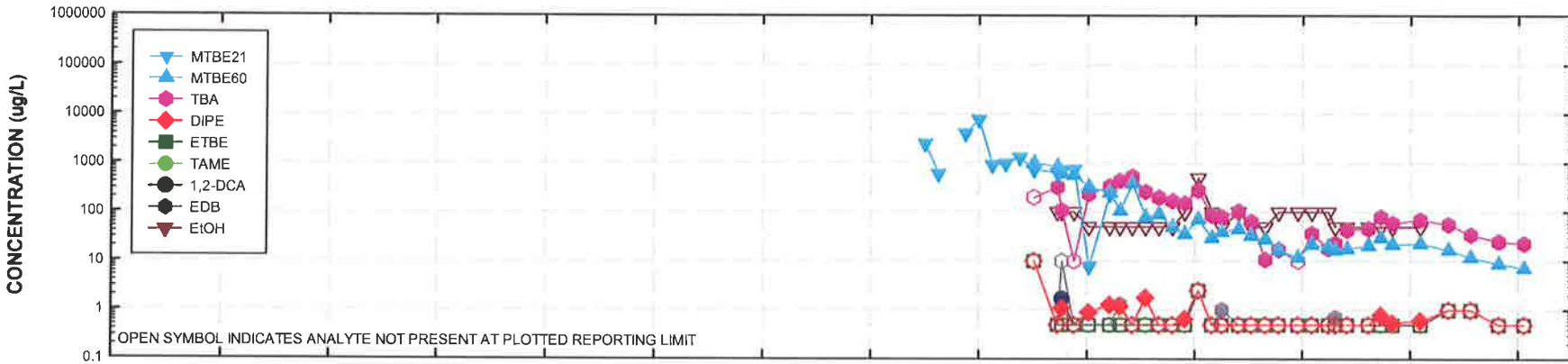
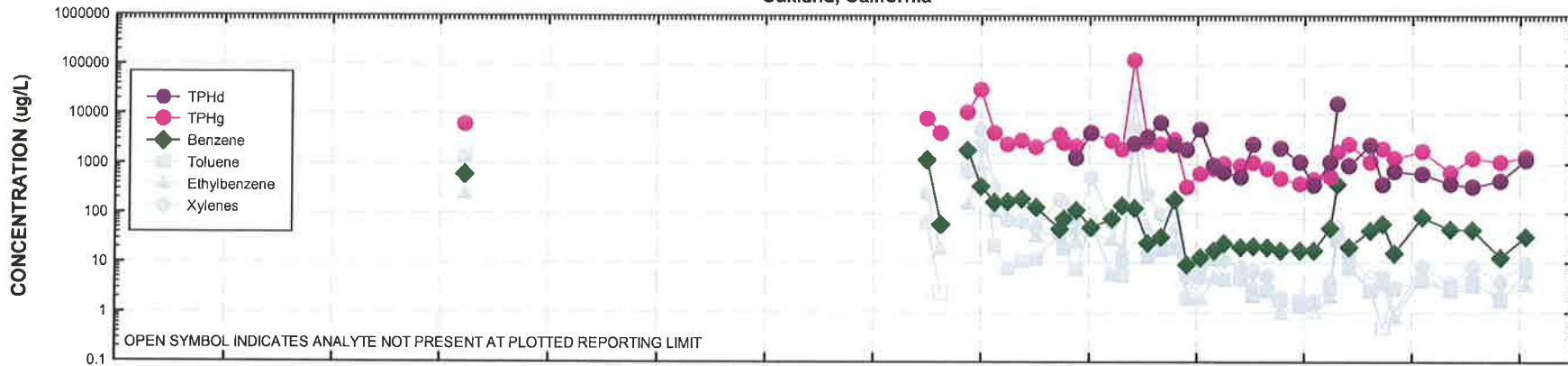
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



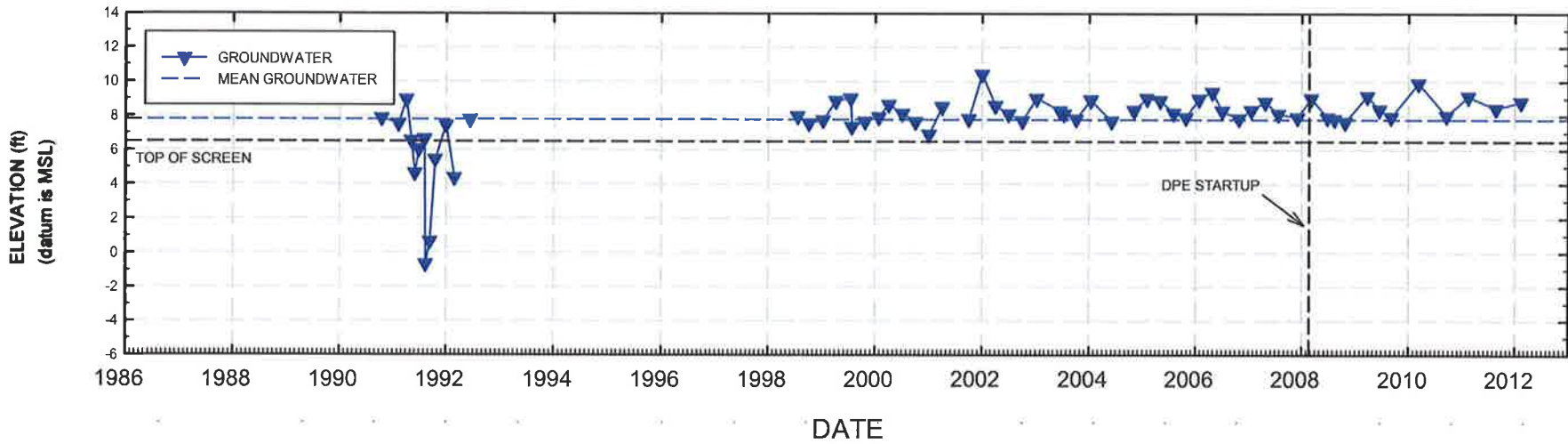
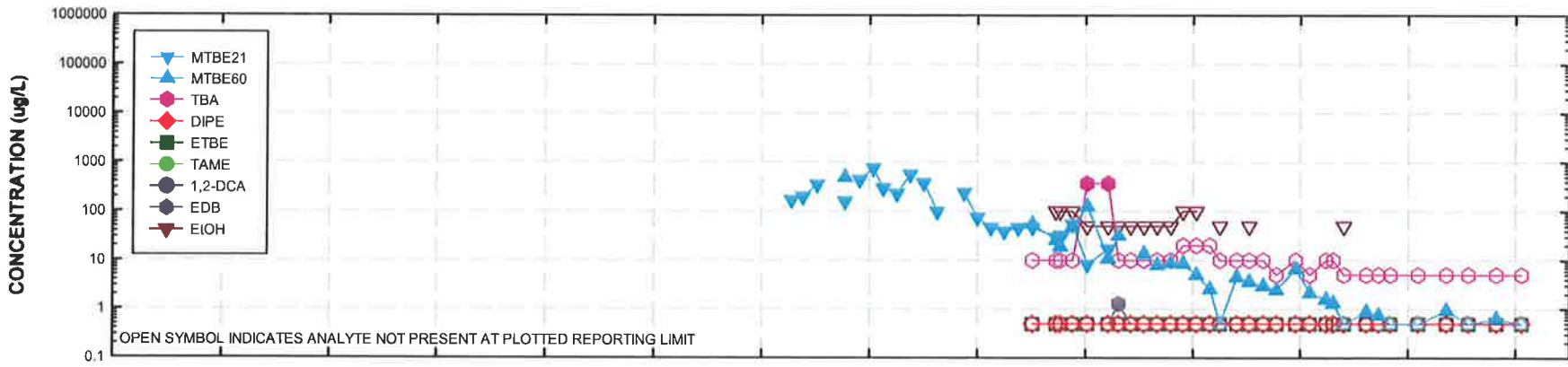
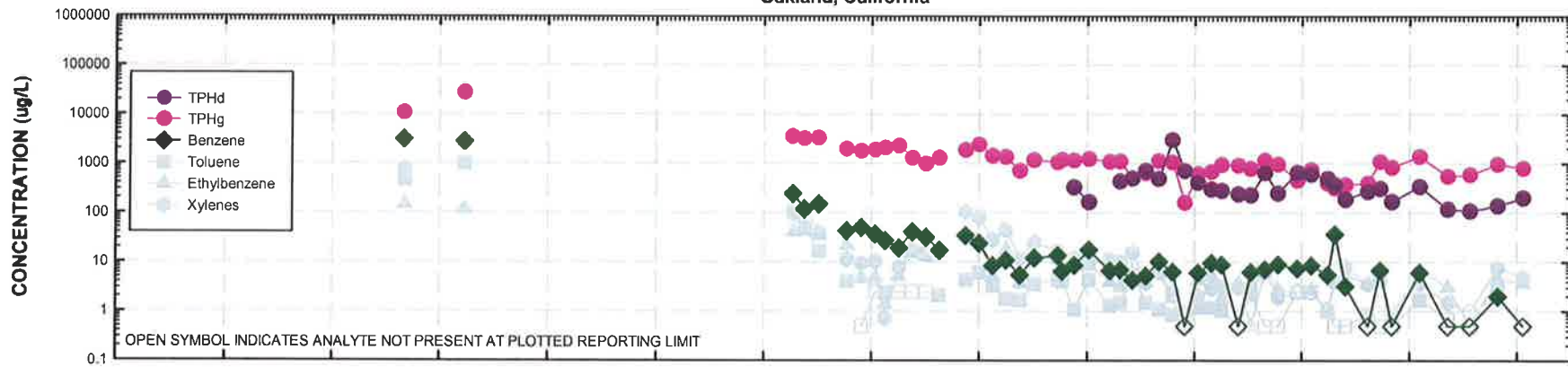
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



HYDROGRAPH - WELL RW1
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



HYDROGRAPH - WELL RW2
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California



HYDROGRAPH - WELL RW3A
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

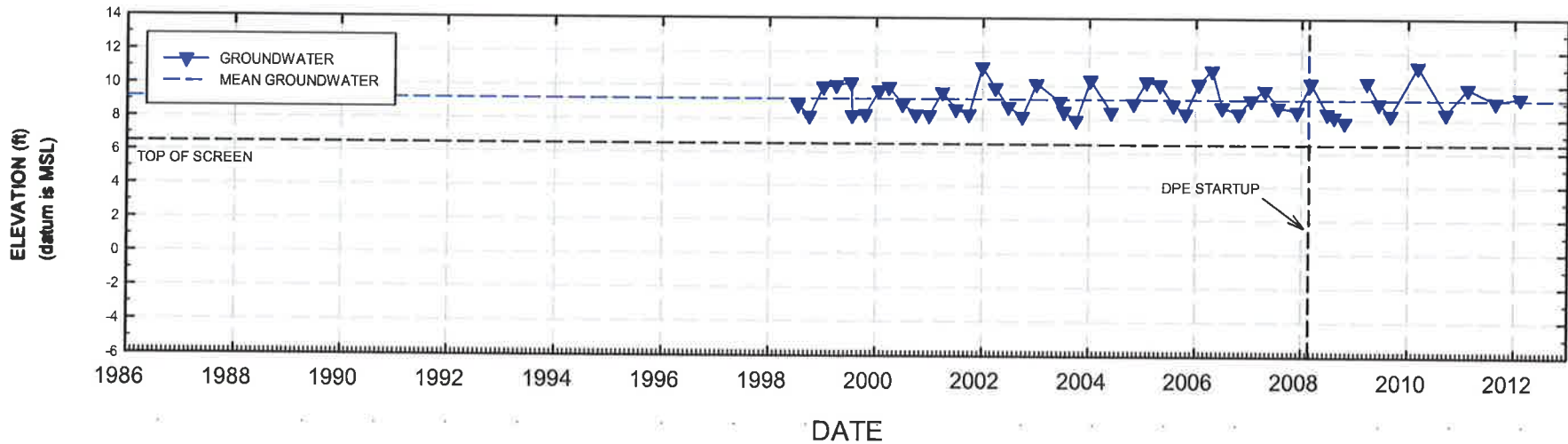
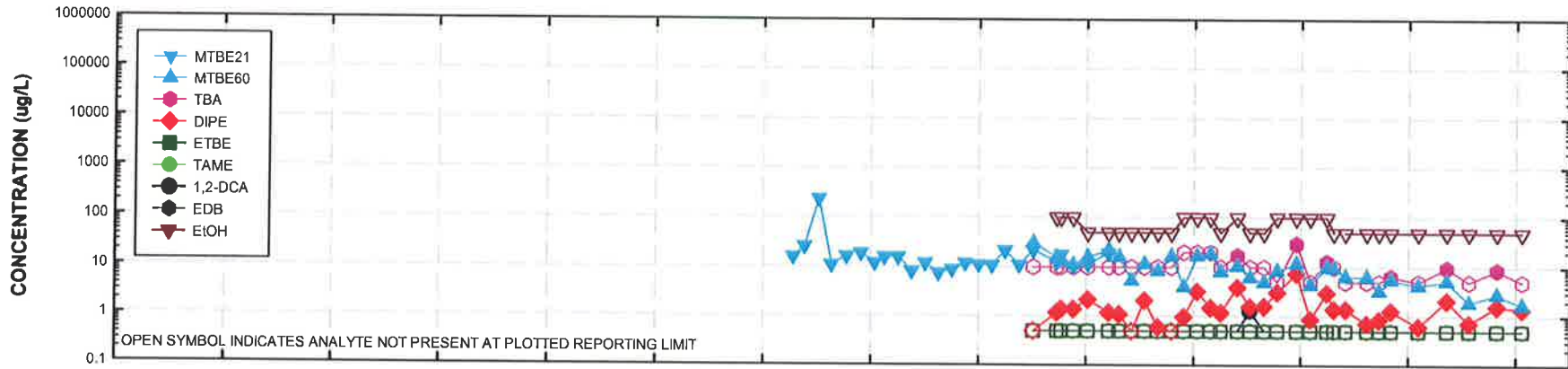
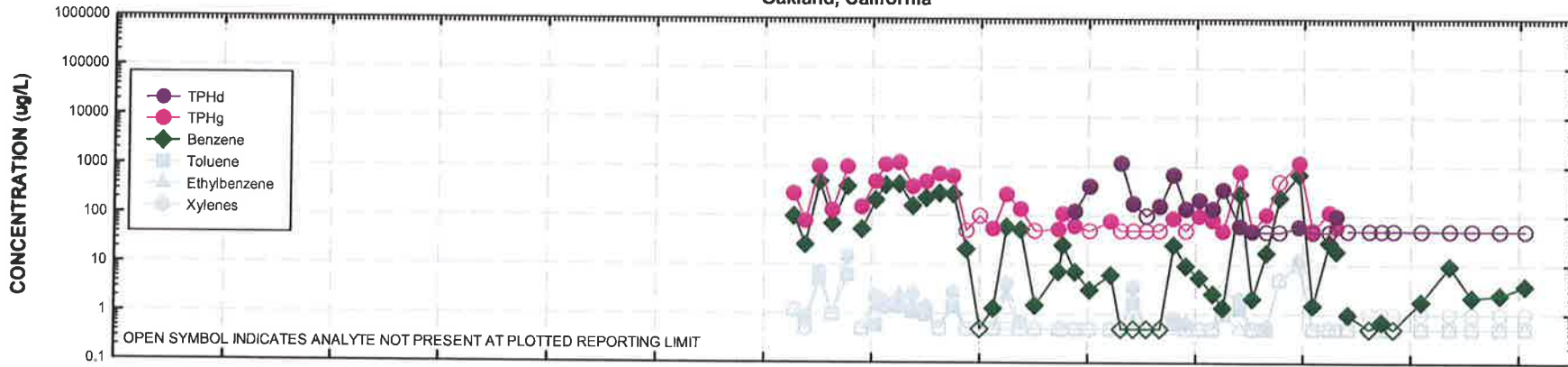


TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Monitoring Well Samples															
MW6A	June 1988	---	Well installed.												
MW6A	06/24/88	---	98.99i	---	---	---	---	---	---	---	---	<0.5	<1	<2	<1
MW6A	07/11/88	---	98.99i	13.25	85.74	---	---	---	---	---	---	---	---	---	---
MW6A	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	0.6	<1	<2	<1
MW6A	12/15/88	---	98.99i	13.40	85.59i	---	---	---	---	---	---	---	---	---	---
MW6A	09/07/89	---	98.99i	---	---	---	---	ND	---	---	---	2.0	ND	ND	ND
MW6A	05/11/90	---	98.99i	12.87	86.12i	---	---	<500	---	---	---	150	6.2	<0.25	13
MW6A	10/16/90	---	98.99i	13.27	85.72i	---	---	---	---	---	---	---	---	---	---
MW6A	12/06/90	---	98.99i	13.28	85.71i	---	---	---	---	---	---	---	---	---	---
MW6A	02/08/91	---	98.99i	12.49	86.50i	---	---	---	---	---	---	---	---	---	---
MW6A	05/07/91	---	98.99i	11.94	87.05i	---	---	2,700	---	---	---	700	64	67	74
MW6A	06/26/91	---	98.99i	12.87	86.12i	---	---	---	---	---	---	---	---	---	---
MW6A	08/05/91	---	98.99i	13.44	85.55i	---	---	---	---	---	---	---	---	---	---
MW6A	08/14/91	---	98.99i	13.47	85.52i	---	---	ND	---	---	---	3.6	<0.5	<0.5	<0.5
MW6A	09/11/91	---	98.99i	13.48	85.51i	---	---	---	---	---	---	---	---	---	---
MW6A	10/16/91	---	98.99i	13.64	85.35i	---	---	---	---	---	---	---	---	---	---
MW6A	12/30/91	---	Well damaged.												
MW6A	05/02/92	---	Well destroyed.												
MW6B	June 1988	---	Well installed.												
MW6B	06/24/88	---	98.81i	---	---	---	---	---	---	---	---	<0.5	<1	<2	5.0
MW6B	07/11/88	---	98.81i	12.86	85.95i	---	---	---	---	---	---	4.1	<1	<2	<1
MW6B	10/20/88	---	98.81i	---	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/15/88	---	98.81i	12.94	85.87i	---	---	---	---	---	---	---	---	---	---
MW6B	09/07/89	---	98.81i	---	---	---	---	2,700	---	---	---	70	3.0	ND	160
MW6B	04/30/90	---	98.81i	12.53	86.28i	---	---	168	---	---	---	45	8.0	60	22
MW6B	10/16/90	---	98.81i	12.73	86.08i	---	---	---	---	---	---	---	---	---	---
MW6B	12/06/90	---	98.81i	12.74	86.07i	---	---	---	---	---	---	---	---	---	---
MW6B	01/14/91	---	98.81i	12.57	86.24i	---	---	---	---	---	---	---	---	---	---
MW6B	02/08/91	---	98.81i	12.16	86.65i	---	---	---	---	---	---	---	---	---	---
MW6B	04/02/91	---	98.81i	11.50	87.31i	---	---	---	---	---	---	---	---	---	---
MW6B	05/07/91	---	98.81i	12.02	86.79i	---	---	3,300	---	---	---	240	6.0	20	660
MW6B	05/31/91	---	98.81i	12.40	86.41i	---	---	---	---	---	---	---	---	---	---
MW6B	06/26/91	---	98.81i	12.69	86.12i	---	---	---	---	---	---	---	---	---	---
MW6B	08/05/91	---	98.81i	12.95	85.86i	---	---	---	---	---	---	---	---	---	---
MW6B	08/14/91	---	98.81i	12.93	85.88i	---	---	980	---	---	---	9.1	42	310	150
MW6B	09/11/91	---	98.81i	13.01	85.80i	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6B	10/16/91	---	98.81i	13.09	85.72i	---	---	---	---	---	---	---	---	---	---
MW6B	12/30/91	---	98.81i	12.62	86.19i	---	---	---	---	---	---	---	---	---	---
MW6B	12/31/91	---	98.81i	---	---	---	---	1,200	---	---	---	46	<5.0	85	220
MW6B	02/25/92	---	98.81i	11.81	87.00i	---	---	---	---	---	---	---	---	---	---
MW6B	03/25/92	---	98.81i	11.58	87.23i	---	---	190	---	---	---	31	8.6	84	8.6
MW6B	06/16/92	---	15.34	12.54	2.80	---	---	1,700	---	---	---	44	1.7	7.2	230
MW6B	09/08/92	---	15.34	12.87	2.47	No	---	2,900	---	---	---	35	8.3	110	330
MW6B	11/05/92	---	15.34	12.70	2.64	No	---	1,400	---	---	---	29	<0.5	75	190
MW6B	12/14/92	---	15.34	12.19	3.15	No	---	---	---	---	---	---	---	---	---
MW6B	01/28/93	---	15.34	11.39	3.95	No	---	---	---	---	---	---	---	---	---
MW6B	02/11/93	---	15.34	11.70	3.64	No	---	210	---	---	---	1.2	<0.5	2.8	4.3
MW6B	03/09/93	---	15.34	11.70	3.64	No	---	---	---	---	---	---	---	---	---
MW6B	04/14/93	---	15.34	11.87	3.47	No	---	---	---	---	---	---	---	---	---
MW6B	05/11/93	---	15.34	12.22	3.12	No	---	570	---	---	---	54	2.4	37	36
MW6B	06/17/93	---	15.34	12.46	2.88	No	---	---	---	---	---	---	---	---	---
MW6B	07/26/93	---	15.34	12.72	2.58	No	---	---	---	---	---	---	---	---	---
MW6B	08/10/93	---	15.34	12.82	2.52	No	---	1,300	---	---	---	48	2.4	28	44
MW6B	09/21/93	---	15.34	13.08	2.26	No	---	---	---	---	---	---	---	---	---
MW6B	10/27/93	---	15.34	13.18	2.16	No	---	1,300	---	---	---	23	1.7	25	250
MW6B	11/23/93	---	15.34	13.07	2.27	No	---	---	---	---	---	---	---	---	---
MW6B	12/17/93	---	15.34	---	---	---	---	---	---	---	---	---	---	---	---
MW6B	02/16/94	---	15.34	12.07	3.27	---	---	300	---	---	---	16	<0.5	3.5	2.4
MW6B	05/31/94	---	15.34	12.42	2.92	No	---	690	---	---	---	21	3.9	11	36
MW6B	08/30/94	---	17.48j	13.02	4.46	No	---	260	---	---	---	4	0.62	0.82	4
MW6B	11/11/94	---	17.48j	11.72	5.76	No	---	300	---	---	---	60	2	1.2	2.4
MW6B	02/27/95	---	17.48j	11.84	5.64	No	---	180	---	---	---	28	2.6	0.65	1.6
MW6B	05/30/95	---	17.48j	12.09	5.39	No	---	200	---	---	---	23	3.6	0.88	2.3
MW6B	08/30/95	---	17.48j	12.76	4.72	No	---	120	---	42	---	3.8	3.6	0.61	0.69
MW6B	11/26/96	---	17.48j	12.26	5.22	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6B	02/27/97	---	17.48j	11.73	5.75	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	0.80
MW6B	05/21/97	---	17.48j	12.70	4.78	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6B	08/18/97	---	17.48j	12.89	4.59	No	---	380	---	<30	---	4.3	<0.5	1.2	1.5
MW6B	03/13/98	---	17.48j	11.15	6.33	No	---	360	---	<6.2	---	93	4.9	4.1	12
MW6B	04/20/98	---	17.48j	11.49	5.99	No	---	110	---	5.5	---	19	1.3	1.5	3.9
MW6B	07/21/98	---	21.37	12.18	9.19	No	---	<50	---	8.7	---	0.84	0.59	<0.5	<0.5
MW6B	10/06/98	---	21.37	12.70	8.67	No	---	190	---	6.0	---	2.4	0.56	0.51	1.2
MW6B	01/11/99	---	21.37	12.48	8.89	No	---	50	---	3.9	---	1.2	<0.5	<0.5	0.95
MW6B	04/08/99	---	21.37	11.52	9.85	No	---	85	---	14.0	---	4.4	<0.5	<0.5	<0.5
MW6B	07/19/99	---	21.37	11.39	9.98	No	---	<50	---	<2.50	---	<0.5	<0.5	<0.5	<0.5
MW6B	07/27/99	---	21.37	12.71	8.66	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6B	10/25/99	---	21.37	12.49	8.88	No	---	260	---	<2	---	2.3	<0.5	<0.5	<0.5
MW6B	01/27/00	---	21.37	11.80	9.57	No	---	770	---	13	---	210	4.8	4.9	13
MW6B	04/03/00	---	21.37	11.61	9.76	No	---	670	---	3.4	---	110	6.6	3.8	9.45
MW6B	07/05/00	---	21.37	12.27	9.10	No	---	<50	---	2.1	---	0.89	<0.5	<0.5	<0.5
MW6B	10/04/00	---	21.37	12.67	8.70	No	---	<50	---	54	---	<0.5	<0.5	<0.5	2
MW6B	10/05/00	---	21.37	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6B	01/04/01	---	21.37	12.47	8.90	No	---	<50	---	35	---	<0.5	<0.5	<0.5	<0.5
MW6B	04/03/01	---	21.37	11.81	9.56	No	---	<50	---	7.8	---	<0.5	<0.5	<0.5	<0.5
MW6B	07/05/01	---	21.37	12.44	8.93	No	---	<50	---	3	---	<0.5	<0.5	<0.5	<0.5
MW6B	10/03/01	---	21.37	12.52	8.85	No	---	310	---	10	---	2.1	<0.5	6.5	11.6
MW6B	Oct-01	---	21.09	Well surveyed in compliance with AB 2886 requirements.											
MW6B	01/02/02	---	21.09	11.25	9.84	No	---	710	---	21.8	---	99.5	4.40	3.30	7.40
MW6B	04/02/02	---	21.09	11.72	9.37	No	---	<50.0	<100	12.2	---	0.60	<0.50	<0.50	<0.50
MW6B	07/01/02	---	21.09	12.34	8.75	No	---	<50	<100a	10.7	---	<0.5	<0.5	<0.5	<0.5
MW6B	10/02/02	---	21.09	12.71	8.38	No	---	<50.0	<100	10.9	---	<0.5	<0.5	<0.5	<0.5
MW6B	01/07/03	---	21.09	11.65	9.44	No	---	82.5	<50	20.8	27.8	3.7	0.5	<0.5	0.8
MW6B	06/17/03	---	21.09	12.09	9.00	No	---	<50.0	<100	7.3	6.10a	0.50	<0.5	<0.5	<0.5
MW6B	07/16/03	---	21.09	12.29	8.80	No	---	<50.0	<100	11.0	8.5	<0.50	<0.5	<0.5	<0.5
MW6B	10/07/03	---	21.09	12.63	8.46	No	<50	<50.0	<100	4.1	3.10	<0.50	<0.5	<0.5	<0.5
MW6B	01/14/04	---	21.09	11.50	9.59	No	54	62.0	<100	9.0	11.0	2.10	<0.5	<0.5	<0.5
MW6B	06/03/04	---	21.09	12.12	8.97	No	---	56.0	<100	6.2	5.90	0.60	<0.5	<0.5	<0.5
MW6B	08/12/04	---	21.09	c	c	c	<50c	94.0c	<100c	---	3.40c	0.70c	<0.5c	<0.5c	0.9c
MW6B	11/04/04	---	21.09	12.27	8.82	No	<50	<50.0	143	---	2.60	<0.50	<0.5	<0.5	0.7
MW6B	02/01/05	---	21.09	11.48	9.61	No	<100	55.9	<100	---	7.50	1.30	<0.5	<0.5	<0.5
MW6B	05/03/05	---	21.09	11.48	9.61	No	<50	<50.0	<100	---	4.90	0.50	<0.5	<0.5	0.8
MW6B	08/04/05	---	21.09	12.23	8.86	No	<50.0	<50.0	<100	---	5.99	<0.500	<0.500	<0.500	0.692
MW6B	10/27/05	---	21.09	12.60	8.49	No	<50.0	<50.0	<50.0	---	1.65	<0.50	0.94f	<0.50	1.29
MW6B	01/26/06	---	21.09	11.39	9.70	No	83d	510	<500	---	12	130	12	14	39
MW6B	04/28/06	---	21.09	10.99	10.10	No	240d	3,100	<470	---	43	920h	110	130	290
MW6B	07/05/06	---	21.09	12.05	9.04	No	<47.6	79.4	<95.2	---	11.4	2.95	<1.00	<1.00	<3.00
MW6B	10/27/06	---	21.09	12.53	8.56	No	<47	<50.0	<470	---	2.25	0.63	<0.50	<0.50	<0.50
MW6B	01/19/07	---	21.09	12.05	9.04	No	<47	<50.0	<470	---	3.75	<0.50	<0.50	<0.50	<0.50
MW6B	04/24/07	---	21.09	11.71	9.38	No	60.9d	<50.0	<46.9	---	4.19	0.51	<0.50	<0.50	<0.50
MW6B	07/24/07	---	21.09	12.24	8.85	No	<47	<50	<470	---	3.2	0.80	<0.50	<0.50	<0.50
MW6B	12/03/07	---	21.09	12.71	8.38	No	<47	64	<470	---	2.8	2.5	<0.50	<0.50	<0.50
MW6B	03/06/08	---	21.09	11.50	9.59	No	52d	330	<470	---	6.2	60	2.5	4.1	5.4
MW6B	06/26/08	---	21.09	12.76	8.33	No	<47	<50	<470	---	6.4	<0.50	<0.50	<0.50	<0.50
MW6B	08/12/08	---	21.09	12.89	8.20	No	72.0d,m,n	<50.0	89.3m	---	3.59	1.52	<0.50	<0.50	1.18
MW6B	10/23/08	---	21.09	13.18	7.91	No	<50	<50	<250	---	6.1	<0.50	<0.50	<0.50	<1.0
MW6B	03/25/09	---	21.09	11.76	9.33	No	730	5,400	<250	---	39	1,700	220	250	500

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
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Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6B	06/17/09	---	21.09	---	---	---	420	2,500	<250	---	51	1000	99	84	150
MW6B	06/17/09	---	21.09	12.36	8.73	No	420	2,500	<250	---	51	1,000	99	84	150
MW6B	09/04/09	---	21.09	12.85	8.24	No	90d	710	<250	---	33	69	2.7	<0.50	4.1
MW6B	03/09/10	---	21.09	10.88	10.21	No	1,500d	6,500	<250	---	57	2,200	140	200	430
MW6B	09/17/10	---	21.09	12.92	8.17	No	<50	590d	<250	---	45	77	<10	<10	<20
MW6B	02/15/11	---	21.09	11.68	9.41	No	830d	6,600d	<250	---	63	2,700	120	140	260
MW6B	08/23/11	---	21.09	12.07	9.02	No	450d	4,500d	<250	---	57	1,100	27	5.9	43
MW6B	02/09/12	---	21.09	11.98	9.11	No	230d	1,700d	<250	---	61s	280	8.0	5.6	19
MW6E	10/04/88	---	98.99i	Well installed.		---	---	---	---	---	---	---	---	---	---
MW6E	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	1.1	<2	<1	3.4
MW6E	12/15/88	---	98.99i	13.70	85.29i	---	---	---	---	---	---	---	---	---	---
MW6E	09/07/89	---	98.99i	---	---	---	---	220	---	---	---	3.0	ND	ND	ND
MW6E	04/30/90	---	98.99i	13.43	85.56i	---	---	250	---	---	---	57	<5.0	<5.0	53
MW6E	10/16/90	---	98.99i	13.77	85.22i	---	---	---	---	---	---	---	---	---	---
MW6E	12/06/90	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---
MW6E	01/14/91	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---
MW6E	02/08/91	---	98.99i	13.20	85.79i	---	---	---	---	---	---	---	---	---	---
MW6E	04/02/91	---	98.99i	12.28	86.71i	---	---	---	---	---	---	---	---	---	---
MW6E	05/07/91	---	98.99i	13.48	85.51i	---	---	160	---	---	---	32	1.0	2.2	1.4
MW6E	05/31/91	---	98.99i	14.09	84.90i	---	---	---	---	---	---	---	---	---	---
MW6E	06/26/91	---	98.99i	12.54	86.45i	---	---	---	---	---	---	---	---	---	---
MW6E	08/05/91	---	98.99i	14.39	84.60i	---	---	---	---	---	---	---	---	---	---
MW6E	08/14/91	---	98.99i	14.18	84.81i	---	---	ND	---	---	---	0.9	<0.5	<0.5	<0.5
MW6E	09/11/91	---	98.99i	14.73	84.26i	---	---	---	---	---	---	---	---	---	---
MW6E	10/16/91	---	98.99i	14.40	84.59i	---	---	---	---	---	---	---	---	---	---
MW6E	12/30/91	---	98.99i	13.39	85.60i	---	---	---	---	---	---	---	---	---	---
MW6E	12/31/91	---	98.99i	---	---	---	---	90	---	---	---	3.1	<0.5	<0.5	<0.5
MW6E	02/25/92	---	98.99i	13.16	85.83i	---	---	---	---	---	---	---	---	---	---
MW6E	03/25/92	---	98.99i	12.15	86.84i	---	---	830	---	---	---	41	1.0	3.8	16
MW6E	06/16/92	---	15.23	13.54	1.69	---	---	3,400	---	---	---	300	23	68	510
MW6E	09/08/92	---	15.23	14.78	0.45	No	---	480	---	---	---	27	<0.5	3.6	21
MW6E	11/05/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/14/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/28/93	---	15.23	11.62	3.61	No	---	---	---	---	---	---	---	---	---
MW6E	02/11/93	---	15.23	12.85	2.38	No	---	270	---	---	---	15	<0.5	<0.5	8.7
MW6E	03/09/93	---	15.23	12.83	2.40	No	---	---	---	---	---	---	---	---	---
MW6E	04/14/93	---	15.23	---	---	No	---	---	---	---	---	---	---	---	---
MW6E	05/11/93	---	15.23	13.59	1.64	No	---	<50	---	---	---	2.3	<0.5	1.4	3.2
MW6E	06/17/93	---	15.23	13.74	1.49	No	---	---	---	---	---	---	---	---	---
MW6E	07/26/93	---	15.23	14.01	1.22	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6E	08/10/93	---	15.23	14.13	1.10	No	---	1,700	---	---	---	130	2.7	23	140
MW6E	09/21/93	---	15.23	14.20	1.03	No	---	---	---	---	---	---	---	---	---
MW6E	10/27/93	---	15.23	14.34	0.89	No	---	100	---	---	---	6.0	<0.5	<0.5	<0.5
MW6E	11/23/93	---	15.23	13.97	1.26	No	---	---	---	---	---	---	---	---	---
MW6E	12/17/93	---	15.23	13.08	2.15	No	---	---	---	---	---	---	---	---	---
MW6E	02/16/94	---	15.23	13.34	1.89	No	---	640	---	---	---	45	<0.5	12	15
MW6E	05/31/94	---	15.23	13.82	1.41	No	---	52	---	---	---	1.5	0.97	<0.5	<0.5
MW6E	08/30/94	---	17.63j	14.32	3.31	No	---	920	---	---	---	22	0.98	5.2	33
MW6E	11/11/94	---	17.63j	13.92	3.71	No	---	910	---	---	---	13	2.4	13	2.5
MW6E	02/27/95	---	17.63j	12.96	4.67	No	---	<50	---	---	---	1.9	1.3	<0.5	0.83
MW6E	05/30/95	---	17.63j	13.20	4.43	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6E	08/30/95	---	17.63j	13.85	3.78	No	---	1,500	---	11	---	91	2.3	56	59
MW6E	11/26/96	---	17.63j	12.94	4.69	No	---	<50	---	<30	---	1.1	<0.5	<0.5	<0.5
MW6E	02/27/97	---	17.63j	12.28	5.35	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6E	05/21/97	---	17.63j	13.60	4.03	No	---	160	---	<5	---	10	1.4	5.5	4.8
MW6E	08/18/97	---	17.63j	13.75	3.88	No	---	66	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6E	03/13/98	---	17.63j	11.36	6.27	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6E	04/20/98	---	17.63j	11.88	5.75	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6E	07/21/98	---	21.58	13.10	8.48	No	---	1,200	---	<10	---	81	3.1	28	77
MW6E	10/06/98	---	21.58	13.55	8.03	No	---	<50	---	6.6	---	1.4	0.51	<0.5	0.97
MW6E	01/11/99	---	21.58	13.40	8.18	No	---	<50	---	5.1	---	<0.5	<0.5	<0.5	<0.5
MW6E	04/08/99	---	21.58	12.04	9.54	No	---	<50	---	4.7	---	<0.5	<0.5	<0.5	<0.5
MW6E	07/19/99	---	21.58	11.59	9.99	No	---	---	---	---	---	---	---	---	---
MW6E	07/27/99	---	21.58	13.65	7.93	No	---	---	---	---	---	---	---	---	---
MW6E	10/25/99	---	21.58	13.52	8.06	No	---	<50	---	2.5	---	<0.5	<0.5	<0.5	<0.5
MW6E	01/27/00	---	21.58	11.71	9.87	No	---	<50	---	2.3	---	<0.5	<0.5	<0.5	<0.5
MW6E	04/03/00	---	21.58	12.11	9.47	No	---	<50	---	<2	---	0.51	<0.5	<0.5	<0.5
MW6E	07/05/00	---	21.58	12.91	8.67	No	---	<50	---	<2	---	3.7	<0.5	<0.5	<0.5
MW6E	10/04/00	---	21.58	13.35	8.23	No	---	<50	---	<2	---	4.1	<0.5	<0.5	<0.5
MW6E	10/05/00	---	21.58	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6E	01/04/01	---	21.58	13.09	8.49	No	---	61	---	<2	---	11	<0.5	<0.5	<0.5
MW6E	04/03/01	---	21.58	12.39	9.19	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6E	07/05/01	---	21.58	13.21	8.37	No	---	210	---	<2	---	80	<0.5	0.94	2.3
MW6E	10/03/01	---	21.58	13.30	8.28	No	---	<50	---	<2	---	2.8	<0.5	<0.5	<0.5
MW6E	Oct-01	---	21.24	Well surveyed in compliance with AB 2886 requirements.											
MW6E	01/02/02	---	21.24	10.11	11.13	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50
MW6E	04/02/02	---	21.24	12.11	9.13	No	---	<50.0	<100	0.70	---	<0.50	<0.50	<0.50	<0.50
MW6E	07/01/02	---	21.24	12.46	8.78	No	---	56.0	<100a	<0.5	---	19.9	<0.5	<0.5	<0.5
MW6E	10/02/02	---	21.24	13.48	7.76	No	---	<50.0	<100	0.8	---	0.5	<0.5	<0.5	<0.5
MW6E	01/07/03	---	21.24	11.81	9.43	No	---	<50.0	<50	<0.5	<0.50	0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6E	06/17/03	---	21.24	12.72	8.52	No	---	<50.0	153	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6E	07/16/03	---	21.24	12.92	8.32	No	---	<50.0	<100	<0.5	<0.50	4.50	<0.5	<0.5	<0.5
MW6E	10/07/03	---	21.24	13.34	7.90	No	<50	<50.0	<100	0.9	0.60	2.50	<0.5	<0.5	<0.5
MW6E	01/14/04	---	21.24	11.92	9.32	No	<50	<50.0	<100	<0.5	<0.50	0.50	<0.5	<0.5	<0.5
MW6E	06/03/04	---	21.24	12.97	8.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6E	08/12/04	---	21.24	c	c	c	<50c	<50.0c	<100c	---	<0.50c	4.30c	<0.5c	<0.5c	0.8c
MW6E	11/04/04	---	21.24	12.68	8.56	No	<50	<50.0	124	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6E	02/01/05	---	21.24	11.75	9.49	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6E	05/03/05	---	21.24	11.93	9.31	No	64d	<50.0	116	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6E	08/04/05	---	21.24	12.92	8.32	No	96.2d	87.9	122	---	<0.500	14.1	<0.500	<0.500	0.792
MW6E	10/27/05	---	21.24	13.24	8.00	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.91f	<0.50	1.22
MW6E	01/26/06	---	21.24	11.78	9.46	No	<50	<50	<500	---	<0.50	7.2	0.67	0.71	2.0
MW6E	04/28/06	---	21.24	11.27	9.97	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6E	07/05/06	---	21.24	12.67	8.57	No	149	<50.0	316	---	<0.500	<1.00	<1.00	<1.00	<3.00
MW6E	10/27/06	---	21.24	13.34	7.90	No	<47	<50.0	<470	---	<0.500	<0.50	0.81	<0.50	1.26
MW6E	01/19/07	---	21.24	12.66	8.58	No	<47	<50.0	<470	---	<0.500	2.33	<0.50	<0.50	<0.50
MW6E	04/24/07	---	21.24	12.00	9.24	No	82.2d	<50.0	76.7	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW6E	07/24/07	---	21.24	13.02	8.22	No	70d	55	<470	---	<0.50	18	<0.50	<0.50	<0.50
MW6E	12/03/07	---	21.24	13.24	8.00	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6E	03/06/08	---	21.24	11.79	9.45	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6E	06/26/08	---	21.24	13.15	8.09	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6E	08/12/08	---	21.24	13.32	7.92	No	72.7d,m,n	<50.0	112m	---	<0.500	6.74	<0.50	<0.50	3.51
MW6E	10/23/08	---	21.24	13.52	7.72	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6E	03/25/09	---	21.24	11.66	9.58	No	<50	<50	<250	---	<0.50	0.82	<0.50	<0.50	1.10
MW6E	06/17/09	---	21.24	12.68	8.56	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6E	06/17/09	---	21.24	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6E	09/04/09	---	21.24	13.20	8.04	No	58d	79	<250	---	<0.50	8.1	<0.50	<0.50	<1.0
MW6E	03/09/10	---	21.24	10.86	10.38	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6E	09/17/10	---	21.24	13.13	8.11	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6E	02/15/11	---	21.24	11.84	9.40	No	<50	<50	<250	---	<0.50	1.3	<0.50	<0.50	<1.0
MW6E	08/23/11	---	21.24	12.73	8.51	No	<50	<50	<250	---	<0.50	8.9	<0.50	<0.50	<1.0
MW6E	02/09/12	---	21.24	12.38	8.86	No	<50	57d	<250	---	<0.50	9.2	<0.50	<0.50	<1.0
MW6F	10/05/88	---	99.91i	Well installed.		---	---	---	---	---	---	---	---	---	---
MW6F	10/25/88	---	99.91i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	2.4
MW6F	12/15/88	---	99.91i	14.48	85.43i	---	---	---	---	---	---	---	---	---	---
MW6F	09/07/89	---	99.91i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND
MW6F	04/30/90	---	99.91i	14.14	85.77i	---	---	ND	---	---	---	ND	ND	ND	ND
MW6F	10/16/90	---	99.91i	14.77	85.14i	---	---	---	---	---	---	---	---	---	---
MW6F	12/06/90	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---
MW6F	01/14/91	---	99.91i	14.73	85.18i	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6F	02/08/91	---	99.91i	13.73	86.18ii	---	---	---	---	---	---	---	---	---	---
MW6F	04/02/91	---	99.91i	12.38	87.53i	---	---	---	---	---	---	---	---	---	---
MW6F	05/07/91	---	99.91i	13.67	86.24i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6F	05/31/91	---	99.91i	14.43	85.48i	---	---	---	---	---	---	---	---	---	---
MW6F	06/26/91	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---
MW6F	08/05/91	---	99.91i	14.96	84.95i	---	---	---	---	---	---	---	---	---	---
MW6F	08/14/91	---	99.91i	14.87	85.04i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6F	09/11/91	---	99.91i	15.11	84.80i	---	---	---	---	---	---	---	---	---	---
MW6F	10/16/91	---	99.91i	15.16	84.75i	---	---	---	---	---	---	---	---	---	---
MW6F	12/30/91	---	99.91i	13.78	86.13i	---	---	---	---	---	---	---	---	---	---
MW6F	12/31/91	---	99.91i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6F	02/25/92	---	99.91i	12.68	87.23i	---	---	---	---	---	---	---	---	---	---
MW6F	03/25/92	---	99.91i	11.93	87.98i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6F	06/16/92	---	16.46	14.34	2.12	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6F	09/08/92	---	16.46	14.75	1.71	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	11/05/92	---	16.46	14.35	2.11	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	12/14/92	---	16.46	12.90	3.56	No	---	---	---	---	---	---	---	---	---
MW6F	01/28/93	---	16.46	11.60	4.86	No	---	---	---	---	---	---	---	---	---
MW6F	02/11/93	---	16.46	12.25	4.21	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	03/09/93	---	16.46	12.50	3.96	No	---	---	---	---	---	---	---	---	---
MW6F	04/14/93	---	16.46	12.71	3.75	No	---	---	---	---	---	---	---	---	---
MW6F	05/11/93	---	16.46	13.63	2.83	No	---	<50	---	---	---	---	---	---	---
MW6F	06/17/93	---	16.46	14.02	2.44	No	---	---	---	---	---	---	---	---	---
MW6F	07/26/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/10/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	09/21/93	---	16.46	14.80	1.66	No	---	---	---	---	---	---	---	---	---
MW6F	10/27/93	---	16.46	14.85	1.61	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	11/23/93	---	16.46	Well inaccessible.		---	---	---	---	---	---	---	---	---	---
MW6F	12/17/93	---	16.46	13.86	2.60	No	---	---	---	---	---	---	---	---	---
MW6F	02/16/94	---	16.46	13.08	3.38	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	05/31/94	---	16.46	14.06	2.40	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	08/30/94	---	18.58j	14.84	3.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	11/11/94	---	18.58j	12.60	5.98	No	---	<50	---	---	---	<0.5	0.54	<0.5	<0.5
MW6F	02/27/95	---	18.58j	12.75	5.83	No	---	<50	---	---	---	6.2	3.0	0.82	3.5
MW6F	05/30/95	---	18.58j	13.16	5.42	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6F	08/30/95	---	18.58j	14.31	4.27	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5
MW6F	11/26/96	---	18.58j	13.29	5.29	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6F	02/27/97	---	18.58j	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	05/21/97	---	18.58j	14.18	4.40	No	---	---	---	---	---	---	---	---	---
MW6F	08/18/97	---	18.58j	14.69	3.89	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6F	03/13/98	---	18.58j	10.93	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6F	04/20/98	---	18.58j	11.77	6.81	No	---	---	---	---	---	---	---	---	---
MW6F	07/21/98	---	22.51	13.62	8.89	No	---	---	---	---	---	---	---	---	---
MW6F	10/06/98	---	22.51	13.52	8.99	No	---	---	---	---	---	---	---	---	---
MW6F	01/11/99	---	22.51	14.06	8.45	No	---	---	---	---	---	---	---	---	---
MW6F	04/08/99	---	22.51	11.86	10.65	No	---	---	---	---	---	---	---	---	---
MW6F	07/19/99	---	22.51	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	07/27/99	---	22.51	Well inaccessible.		---	---	---	---	---	---	---	---	---	---
MW6F	10/25/99	---	22.51	12.63	9.88	No	---	---	---	---	---	---	---	---	---
MW6F	01/27/00	---	22.51	12.23	10.28	No	---	---	---	---	---	---	---	---	---
MW6F	04/03/00	---	22.51	12.11	10.40	No	---	---	---	---	---	---	---	---	---
MW6F	07/05/00	---	22.51	13.38	9.13	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6F	10/04/00	---	22.51	14.02	8.49	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	0.7
MW6F	10/05/00	---	22.51	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6F	01/04/01	---	22.51	13.69	8.82	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6F	04/03/01	---	22.51	12.55	9.96	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6F	07/05/01	---	22.51	13.74	8.77	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6F	10/03/01	---	22.51	13.82	8.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6F	Oct-01	---	22.17	Well surveyed in compliance with AB 2886 requirements.		---	---	---	---	---	---	---	---	---	---
MW6F	01/02/02	---	22.17	9.16	13.01	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50
MW6F	04/02/02	---	22.17	12.14	10.03	No	---	<50.0	<100	<0.50	---	<0.50	<0.50	<0.50	<0.50
MW6F	07/01/02	---	22.17	13.46	8.71	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW6F	10/02/02	---	22.17	14.19	7.98	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW6F	01/07/03	---	22.17	11.73	10.44	No	---	<50.0	<50	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5
MW6F	06/17/03	---	22.17	13.13	9.04	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	07/16/03	---	22.17	13.51	8.66	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	10/07/03	---	22.17	14.05	8.12	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	01/14/04	---	22.17	11.90	10.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	06/03/04	---	22.17	13.45	8.72	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	08/12/04	---	22.17	c	c	c	52c	<50.0c	<100c	---	<0.50c	<0.50c	<0.5c	<0.5c	<0.5c
MW6F	11/04/04	---	22.17	13.03	9.14	No	<50	<50.0	109	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	02/01/05	---	22.17	11.56	10.61	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	05/03/05	---	22.17	11.92	10.25	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6F	08/04/05	---	22.17	13.42	8.75	No	<50.0	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500
MW6F	10/27/05	---	22.17	13.88	8.29	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.93f	<0.50	<0.50
MW6F	01/26/06	---	22.17	11.83	10.34	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6F	04/28/06	---	22.17	10.96	11.21	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6F	07/05/06	---	22.17	13.05	9.12	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00
MW6F	10/27/06	---	22.17	14.06	8.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW6F	01/19/07	---	22.17	13.06	9.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6F	04/24/07	---	22.17	12.01	10.16	No	103d	<50.0	93.5	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW6F	07/24/07	---	22.17	13.61	8.56	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6F	12/03/07	---	22.17	13.80	8.37	No	---	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	22.17	11.77	10.40	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6F	06/26/08	---	22.17	13.74	8.43	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6F	08/12/08	---	22.17	14.00	8.17	No	<47.6m,n	<50.0	75.5m	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW6F	10/23/08	---	22.17	14.28	7.89	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	03/25/09	---	22.17	11.64	10.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	06/17/09	---	22.17	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	06/17/09	---	22.17	13.13	9.04	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	09/04/09	---	22.17	13.85	8.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	03/09/10	---	22.17	10.64	11.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	09/17/10	---	22.17	13.81	8.36	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	02/15/11	---	22.17	12.17	10.00	No	<50	<50	<250	---	<0.50	0.59	<0.50	<0.50	<1.0
MW6F	08/23/11	---	22.17	13.17	9.00	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6F	02/09/12	---	22.17	12.82	9.35	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6G	11/16/88	---	99.16i	Well installed.		---	---	---	---	---	---	---	---	---	---
MW6G	12/07/88	---	99.16i	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/15/88	---	99.16i	12.22	86.94i	---	---	ND	---	---	---	<0.5	<1	<2	<1
MW6G	09/07/89	---	99.16i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND
MW6G	04/30/90	---	99.16i	11.73	87.43i	---	---	ND	---	---	---	ND	ND	ND	ND
MW6G	10/16/90	---	99.16i	12.28	86.88i	---	---	---	---	---	---	---	---	---	---
MW6G	12/06/90	---	99.16i	12.27	86.89i	---	---	---	---	---	---	---	---	---	---
MW6G	01/14/91	---	99.16i	12.14	87.02i	---	---	---	---	---	---	---	---	---	---
MW6G	02/08/91	---	99.16i	11.44	87.72i	---	---	---	---	---	---	---	---	---	---
MW6G	04/02/91	---	99.16i	10.03	89.13i	---	---	---	---	---	---	---	---	---	---
MW6G	05/07/91	---	99.16i	11.00	88.16i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6G	05/31/91	---	99.16i	11.75	87.41i	---	---	---	---	---	---	---	---	---	---
MW6G	06/26/91	---	99.16i	12.91	86.25i	---	---	---	---	---	---	---	---	---	---
MW6G	08/05/91	---	99.16i	12.43	86.73i	---	---	---	---	---	---	---	---	---	---
MW6G	08/14/91	---	99.16i	12.43	86.73i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6G	09/11/91	---	99.16i	12.48	86.68i	---	---	---	---	---	---	---	---	---	---
MW6G	10/16/91	---	99.16i	12.64	86.52i	---	---	---	---	---	---	---	---	---	---
MW6G	12/30/91	---	99.16i	11.80	87.36i	---	---	---	---	---	---	---	---	---	---
MW6G	12/31/91	---	99.16i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6G	02/25/92	---	99.91i	10.32	88.84i	---	---	---	---	---	---	---	---	---	---
MW6G	03/25/92	---	99.91i	9.93	89.23i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6G	06/16/92	---	14.71	11.88	2.83	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6G	09/08/92	---	14.71	12.20	2.51	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	11/05/92	---	14.71	12.02	2.69	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6G	12/14/92	---	14.71	10.95	3.76	No	---	---	---	---	---	---	---	---	---
MW6G	01/28/93	---	14.71	9.56	5.15	No	---	---	---	---	---	---	---	---	---
MW6G	02/11/93	---	14.71	10.04	4.67	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	03/09/93	---	14.71	10.10	4.61	No	---	---	---	---	---	---	---	---	---
MW6G	04/14/93	---	14.71	10.43	4.28	No	---	---	---	---	---	---	---	---	---
MW6G	05/11/93	---	14.71	11.05	3.66	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	06/17/93	---	14.71	11.49	3.22	No	---	---	---	---	---	---	---	---	---
MW6G	07/26/93	---	14.71	11.98	2.73	No	---	---	---	---	---	---	---	---	---
MW6G	08/10/93	---	14.71	12.17	2.54	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	09/21/93	---	14.71	12.42	2.29	No	---	---	---	---	---	---	---	---	---
MW6G	10/27/93	---	14.71	13.47	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	11/23/93	---	14.71	12.48	2.23	No	---	---	---	---	---	---	---	---	---
MW6G	12/17/93	---	14.71	11.19	3.52	No	---	---	---	---	---	---	---	---	---
MW6G	02/16/94	---	14.71	10.62	4.09	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	05/31/94	---	14.71	11.40	3.31	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	08/30/94	---	16.82j	12.32	4.50	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	11/11/94	---	16.82j	11.06	5.76	No	---	58	---	---	---	0.58	1.6	<0.5	1.6
MW6G	02/27/95	---	16.82j	10.32	6.50	No	---	<50	---	---	---	0.86	0.99	<0.5	0.51
MW6G	05/30/95	---	16.82j	10.77	6.05	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6G	08/30/95	---	16.82j	11.92	4.90	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5
MW6G	11/26/96	---	16.82j	11.12	5.70	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6G	02/27/97	---	16.82j	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	05/21/97	---	16.82j	11.76	5.06	No	---	---	---	---	---	---	---	---	---
MW6G	08/18/97	---	16.82j	12.23	4.59	No	---	---	---	---	---	---	---	---	---
MW6G	03/13/98	---	16.82j	9.13	7.69	No	---	<50	---	4.4	---	<0.5	<0.5	<0.5	<0.5
MW6G	04/20/98	---	16.82j	9.73	7.09	No	---	---	---	---	---	---	---	---	---
MW6G	07/21/98	---	20.72	11.15	9.57	No	---	---	---	---	---	---	---	---	---
MW6G	10/06/98	---	20.72	11.91	8.81	No	---	---	---	---	---	---	---	---	---
MW6G	01/11/99	---	20.72	12.00	8.72	No	---	---	---	---	---	---	---	---	---
MW6G	04/08/99	---	20.72	10.04	10.68	No	---	---	---	---	---	---	---	---	---
MW6G	07/19/99	---	20.72	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	07/27/99	---	20.72	11.75	8.97	No	---	---	---	---	---	---	---	---	---
MW6G	10/25/99	---	20.72	11.76	8.96	No	---	---	---	---	---	---	---	---	---
MW6G	01/27/00	---	20.72	11.46	9.26	No	---	---	---	---	---	---	---	---	---
MW6G	04/03/00	---	20.72	10.00	10.72	No	---	---	---	---	---	---	---	---	---
MW6G	07/05/00	---	20.72	11.24	9.48	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6G	10/04/00	---	20.72	11.88	8.84	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6G	10/05/00	---	20.72	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6G	01/04/01	---	20.72	11.56	9.16	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6G	04/03/01	---	20.72	10.45	10.27	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5

TABLE 1A
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6G	07/05/01	---	20.72	11.51	9.21	No	---	<50	---	<2	---	0.75	<0.5	<0.5	<0.5
MW6G	10/03/01	---	20.72	11.63	9.09	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6G	Oct-01	---	20.46	Well surveyed in compliance with AB 2886 requirements.											
MW6G	01/02/02	---	20.46	9.15	11.31	No	---	<100	---	1.8	---	<0.50	<0.50	<0.50	<0.50
MW6G	04/02/02	---	20.46	10.19	10.27	No	---	<50.0	<100	1.10	---	<0.50	<0.50	<0.50	<0.50
MW6G	07/01/02	---	20.46	11.35	9.11	No	---	<50	<100a	1.3	---	<0.5	<0.5	<0.5	<0.5
MW6G	10/02/02	---	20.46	11.99	8.47	No	---	<50.0	<100	0.7	---	<0.5	<0.5	<0.5	<0.5
MW6G	01/07/03	---	20.46	9.97	10.49	No	---	<50.0	<50	1.3	2.0	<0.5	<0.5	<0.5	<0.5
MW6G	06/17/03	---	20.46	10.98	9.48	No	---	<50.0	<100	1.5	1.6	<0.50	<0.5	<0.5	<0.5
MW6G	07/16/03	---	20.46	11.37	9.09	No	---	<50.0	<100	1.2	0.9	<0.50	<0.5	<0.5	<0.5
MW6G	10/07/03	---	20.46	11.90	8.56	No	<50	<50.0	<100	0.8	0.80	<0.50	<0.5	<0.5	<0.5
MW6G	01/14/04	---	20.46	10.10	10.36	No	<50	<50.0	<100	1.0	1.40	<0.50	<0.5	<0.5	<0.5
MW6G	06/03/04	---	20.46	11.10	9.36	No	<50	<50.0	<100	1.40	1.4	<0.50	<0.5	<0.5	<0.5
MW6G	08/12/04	---	20.46	c	c	c	99c	<50.0c	101c	---	1.10c	<0.50c	<0.5c	<0.5c	<0.5c
MW6G	11/04/04	---	20.46	11.18	9.28	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6G	02/01/05	---	20.46	9.79	10.67	No	<100	<50.0	<100	---	3.40	<0.50	<0.5	<0.5	<0.5
MW6G	05/03/05	---	20.46	9.95	10.51	No	<50	<50.0	<100	---	1.40	<0.50	<0.5	<0.5	<0.5
MW6G	08/04/05	---	20.46	11.22	9.24	No	<50.0	<50.0	<100	---	1.42	<0.500	<0.500	<0.500	<0.500
MW6G	10/27/05	---	20.46	11.76	8.70	No	<50.0	<50.0	61.3	---	0.810	<0.50	0.93f	<0.50	<0.50
MW6G	01/26/06	---	20.46	11.07	9.39	No	<50	<50	<500	---	1.8	<0.50	<0.50	<0.50	<0.50
MW6G	04/28/06	---	20.46	9.11	11.35	No	<47	<50	<470	---	2.8	<0.50	<0.50	<0.50	<0.50
MW6G	07/05/06	---	20.46	10.70	9.76	No	88.6	<50.0	277	---	2.49	<1.00	<1.00	<1.00	<3.00
MW6G	10/27/06	---	20.46	11.75	8.71	No	<47	61.9	<470	---	1.40	<0.50	<0.50	<0.50	<0.50
MW6G	01/19/07	---	20.46	10.94	9.52	No	<47	<50.0	<470	---	1.34	<0.50	<0.50	<0.50	<0.50
MW6G	04/24/07	---	20.46	10.40	10.06	No	<47.6	<50.0	<47.6	---	2.17	<0.50	<0.50	<0.50	<0.50
MW6G	07/24/07	---	20.46	11.49	8.97	No	<47	<50	<470	---	1.3	<0.50	<0.50	<0.50	<0.50
MW6G	12/03/07	---	20.46	11.60	8.86	No	<47	<50	<470	---	0.88	<0.50	<0.50	<0.50	<0.50
MW6G	03/06/08	---	20.46	9.79	10.67	No	<47	<50	<470	---	2.0	<0.50	<0.50	<0.50	<0.50
MW6G	06/26/08	---	20.46	11.43	9.03	No	<47	<50	<470	---	1.6	<0.50	<0.50	<0.50	<0.50
MW6G	08/12/08	---	20.46	11.94	8.52	No	99.1d,m,n	<50.0	135m	---	1.35	<0.50	<0.50	<0.50	<0.50
MW6G	10/23/08	---	20.46	12.34	8.12	No	<50	<50	<250	---	1.4	<0.50	<0.50	<0.50	<1.0
MW6G	03/25/09	---	20.46	9.93	10.53	No	<50	<50	<250	---	1.3	<0.50	<0.50	<0.50	<1.0
MW6G	06/17/09	---	20.46	11.11	9.35	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0
MW6G	06/17/09	---	20.46	---	---	---	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0
MW6G	09/04/09	---	20.46	11.85	8.61	No	<50	<50	<250	---	1.5	<0.50	<0.50	<0.50	<1.0
MW6G	03/09/10	---	20.46	8.94	11.52	No	<50	<50	<250	---	2.0	<0.50	<0.50	<0.50	<1.0
MW6G	09/17/10	---	20.46	11.64	8.82	No	<50	<50	<250	---	1.1	<0.50	<0.50	<0.50	<1.0
MW6G	02/15/11	---	20.46	10.51	9.95	No	<50	<50	<250	---	1.2	<0.50	<0.50	<0.50	<1.0
MW6G	08/23/11	---	20.46	10.98	9.48	No	<50	<50	<250	---	1.9	<0.50	<0.50	<0.50	<1.0
MW6G	02/09/12	---	20.46	10.91	9.55	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6H	11/16/88	---	Well installed.												
MW6H	12/07/88	---	97.93i	---	---	---	---	---	---	---	---	1,200	320	110	220
MW6H	12/15/88	---	97.93i	12.36	85.57i	---	---	---	---	---	---	---	---	---	---
MW6H	09/07/89	---	97.93i	---	---	---	---	660	---	---	---	480	<10	16	<15
MW6H	04/30/90	---	97.93i	12.10	85.83i	---	---	630	---	---	---	700	39	31	50
MW6H	10/16/90	---	97.93i	12.18	85.75i	---	---	---	---	---	---	---	---	---	---
MW6H	12/06/90	---	97.93i	12.29	85.64i	---	---	---	---	---	---	---	---	---	---
MW6H	01/14/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---
MW6H	02/08/91	---	97.93i	11.93	86.00i	---	---	---	---	---	---	---	---	---	---
MW6H	04/02/91	---	97.93i	11.59	86.34i	---	---	---	---	---	---	---	---	---	---
MW6H	05/07/91	---	97.93i	12.24	85.69i	---	---	570	---	---	---	95	14	15	21
MW6H	05/31/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---
MW6H	06/26/91	---	97.93i	14.34	83.59i	---	---	---	---	---	---	---	---	---	---
MW6H	08/05/91	---	97.93i	12.62	85.31i	---	---	---	---	---	---	---	---	---	---
MW6H	08/14/91	---	97.93i	12.43	85.50i	---	---	540	---	---	---	52	9.9	11	18
MW6H	09/11/91	---	97.93i	12.83	85.10i	---	---	---	---	---	---	---	---	---	---
MW6H	10/16/91	---	97.93i	12.71	85.22i	---	---	---	---	---	---	---	---	---	---
MW6H	12/30/91	---	97.93i	12.16	85.77i	---	---	---	---	---	---	---	---	---	---
MW6H	12/31/91	---	97.93i	---	---	---	---	790	---	---	---	52	28	22	42
MW6H	02/25/92	---	97.93i	12.17	85.76i	---	---	---	---	---	---	---	---	---	---
MW6H	03/25/92	---	97.93i	11.65	86.28i	---	---	920	---	---	---	170	52	25	54
MW6H	06/16/92	---	14.47	12.12	2.35	---	---	460	---	---	---	31	11	6.8	16
MW6H	09/08/92	---	14.47	12.30	2.17	No	---	780	---	---	---	69	23	17	18
MW6H	11/05/92	---	14.47	12.05	2.42	No	---	3,400	---	---	---	500	260	85	160
MW6H	12/14/92	---	14.47	11.65	2.82	No	---	---	---	---	---	---	---	---	---
MW6H	01/28/93	---	14.47	11.57	2.90	No	---	---	---	---	---	---	---	---	---
MW6H	02/11/93	---	14.47	12.22	2.25	No	---	2,500	---	---	---	410	170	28	130
MW6H	03/09/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---
MW6H	04/14/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---
MW6H	05/11/93	---	14.47	12.35	2.12	No	---	4,200	---	---	---	490	270	80	210
MW6H	06/17/93	---	14.47	12.22	2.25	No	---	---	---	---	---	---	---	---	---
MW6H	07/26/93	---	14.47	12.32	2.15	No	---	---	---	---	---	---	---	---	---
MW6H	08/10/93	---	14.47	12.30	2.17	No	---	650	---	---	---	83	22	14	29
MW6H	09/21/93	---	14.47	12.79	1.68	No	---	---	---	---	---	---	---	---	---
MW6H	10/27/93	---	14.47	13.93	0.54	No	---	1,600	---	---	---	130	90	29	130
MW6H	11/23/93	---	14.47	12.46	2.01	No	---	---	---	---	---	---	---	---	---
MW6H	12/17/93	---	14.47	12.08	2.39	No	---	---	---	---	---	---	---	---	---
MW6H	02/16/94	---	14.47	12.31	2.16	No	---	<50	---	---	---	<0.5	<0.5	<0.5	2.9
MW6H	05/31/94	---	14.47	12.46	2.01	No	---	1,800	---	---	---	370	220	65	210
MW6H	08/30/94	---	16.58j	12.72	3.86	No	---	1,900	---	---	---	130	90	19	86

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6H	11/11/94	---	16.58j	11.98	4.60	No	---	13,000	---	---	---	1,700	1,400	260	1,800
MW6H	02/27/95	---	16.58j	11.89	4.69	No	---	320	---	---	---	450	120	28	79
MW6H	05/30/95	---	16.58j	12.05	4.53	No	---	2,300	---	---	---	960	260	64	200
MW6H	08/30/95	---	16.58j	12.34	4.24	No	---	2,100	---	50	---	590	35	24	74
MW6H	11/26/96	---	16.58j	11.87	4.71	No	---	1,200	---	<30	---	320	110	22	85
MW6H	02/27/97	---	16.58j	11.58	5.00	No	---	1,800	---	<200	---	760	31	8.4	44
MW6H	05/21/97	---	16.58j	12.23	4.35	No	---	1,100	---	81	---	640	18	5.4	45
MW6H	08/18/97	---	16.58j	12.29	4.29	No	---	870	---	26	---	200	3.6	2.4	7.4
MW6H	03/13/98	---	20.47	11.44	9.03	No	---	5,300	---	<125	---	1,900	720	100	470
MW6H	04/20/98	---	20.47	11.58	8.89	No	---	6,000	---	2,700	---	1,500	600	91	440
MW6H	07/21/98	---	20.47	11.97	8.50	No	---	2,200	---	1,600	---	740	44	15	63
MW6H	10/06/98	---	20.47	12.23	8.24	No	---	5,400	---	3,000	---	1,900	<25	<25	76
MW6H	01/11/99	---	20.47	12.17	8.30	No	---	2,600	---	4,300	---	1,200	<12	<12	20
MW6H	04/08/99	---	20.47	11.56	8.91	No	---	13,000	---	13,000	---	3,400	1,300	260	1,200
MW6H	07/19/99	---	20.47	11.71	8.76	No	---	<2,000	---	6,920	8,520	732	<20	<20	<20
MW6H	07/27/99	---	20.47	12.39	8.08	No	---	---	---	---	---	---	---	---	---
MW6H	10/25/99	---	20.47	12.16	8.31	No	---	700	---	4,000	---	360	1.1	0.68	2
MW6H	01/27/00	---	20.47	11.60	8.87	No	---	9,100	---	7,600	---	2,400	840	150	670
MW6H	04/03/00	---	20.47	11.62	8.85	No	---	12,000	---	8,800	---	2,800	1,100	230	1,020
MW6H	07/05/00	---	20.47	11.93	8.54	No	---	12,000	---	8,000	---	1,200	56	13	92
MW6H	10/04/00	---	20.47	12.16	8.31	No	---	4,400	---	8,400	---	1,500	23	12	80.6
MW6H	10/05/00	---	20.47	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6H	01/04/01	---	20.47	12.03	8.44	No	---	2,300	---	3,800	---	880	15	6.4	33.9
MW6H	04/03/01	---	20.47	11.73	8.74	No	---	7,800	---	5,100	---	2,000	730	140	590
MW6H	07/05/01	---	20.47	11.98	8.49	No	---	2,300	---	3,200	---	630	25	10	40.8
MW6H	10/03/01	---	20.47	12.1	8.37	No	---	1,400	---	550	---	270	5.6	4.2	11.6
MW6H	Oct-01	---	20.20	Well surveyed in compliance with AB 2886 requirements.											
MW6H	01/02/02	---	20.20	11.14	9.06	No	---	47,100	---	4,260	---	7,880	5,220	1,060	4,460
MW6H	04/02/02	---	20.20	11.68	8.52	No	---	17,500	<500	1,590	---	2,280	1,290	282	1,090
MW6H	07/01/02	---	20.20	11.97	8.23	No	---	5,370	<100a	1,910	---	1,170	200	44.0	158
MW6H	10/02/02	---	20.20	12.20	8.00	No	---	2,570	<100	899	---	655	13.0	8.0	25.0
MW6H	01/07/03	---	20.20	11.58	8.62	No	---	12,500	<50	1,700	2,500	2,480	1,340	250	1,120
MW6H	06/17/03	---	20.20	11.82	8.38	No	---	6,330	<100	1,490	1,660	604	104	44.0	152
MW6H	07/16/03	---	20.20	12.89	7.31	No	---	3,170	<100	1,270	1,170	614	20.0	9.5	31.8
MW6H	10/07/03	---	20.20	12.10	8.10	No	---	2,090	<100	612	640	433	11.6	6.7	22.5
MW6H	01/14/04	---	20.20	11.55	8.65	No	390	6,320	<100	59.0	1,250	1,340	517	117	515
MW6H	06/03/04	---	20.20	11.92	8.28	No	---	3,330	<100	604	632	546	128	38.4	140
MW6H	08/12/04	---	20.20	c	c	c	174c	1,920c	<100c	---	426c	330c	17.9c	9.3c	35.3c
MW6H	11/04/04	---	20.20	11.86	8.34	No	578	8,090	552	---	442	1,280	620	185	822
MW6H	02/01/05	---	20.20	11.55	8.65	No	616	9,500	193	---	335	1,360	764	214	844

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6H	05/03/05	---	20.20	11.54	8.66	No	560d	9,120	168	---	323	1,320	886	245	928
MW6H	08/04/05	---	20.20	11.89	8.31	No	269d	1,810	143	---	268	349	57.0	20.1	70.0
MW6H	10/27/05	---	20.20	12.10	8.10	No	228	942	98.5	---	164	154	23.1f	6.09	23.2
MW6H	01/26/06	---	20.20	11.54	8.66	No	910d	20,000	<500	---	270	3,200	3,400	660	3,100
MW6H	04/28/06	---	20.20	11.29	8.91	No	550d	11,000	<470	---	160	2,000	1,500	380	1,600
MW6H	07/05/06	---	20.20	11.90	8.30	No	273	2,360	114	---	82.9	389	111	39.5	125
MW6H	10/27/06	---	20.20	12.08	8.12	No	120d	1,460	<470	---	69.4	215	27.9	16.2	43.4
MW6H	01/19/07	---	20.20	11.81	8.39	No	290d	4,950	<470	---	77.5	831	638	129	451
MW6H	04/24/07	---	20.20	11.52	8.68	No	997d	13,800	140	---	90.5	1,330	1,420	357	1,360
MW6H	07/24/07	---	20.20	11.90	8.30	No	150d	1,600	<470	---	56	300	110	29	100
MW6H	12/03/07	---	20.20	12.03	8.17	No	140d,l	1,800	<470	---	51	420	14	8.3	33
MW6H	03/06/08	---	20.20	11.81	8.39	No	280d	4,400	<470	---	48	630	540	130	460
MW6H	06/26/08	---	20.20	12.41	7.79	No	320d	3,700	<470	---	40	930	100	130	550
MW6H	08/12/08	---	20.20	12.40	7.80	No	740d,m,n	5,010	294m	---	29.8	684	354	114	466
MW6H	10/23/08	---	20.20	12.47	7.73	No	---	---	---	---	---	---	---	---	---
MW6H	10/30/08	---	20.20	---	---	---	<50	2,100	<250	---	23	270	64	35	120
MW6H	03/25/09	---	20.20	11.41	8.79	No	770	14,000	<250	---	<50	2,000	1,700	620	2,300
MW6H	06/17/09	---	20.20	11.82	8.38	No	720	6,000	<250	---	<50	2,000	420	280	930
MW6H	06/17/09	---	20.20	---	---	---	720	6000	<250	---	<50	2000	420	280	930
MW6H	09/04/09	---	20.20	12.18	8.02	No	390d	3,700	<250	---	23	660	53	59	180
MW6H	03/09/10	---	20.20	10.72	9.48	No	4,400d	16,000	<250	---	26	2,600	1,400	830	2,800
MW6H	09/17/10	---	20.20	12.09	8.11	No	280d	2,200	<250	---	18	660	86	60	170
MW6H	02/15/11	---	20.20	11.28	8.92	No	740d	5,800d	<250	---	10	1,600	630	250	980
MW6H	08/23/11	---	20.20	11.56	8.64	No	780d	6,500	<250	---	16	1,600	200	150	380
MW6H	02/09/12	---	20.20	11.58	8.62	No	750d	7,300	<250	---	19s	1,200	520	280	770
MW6I	11/17/88	---	Well installed.												
MW6I	12/07/88	---	97.60i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	<1
MW6I	12/15/88	---	97.60i	12.83	84.77i	---	---	---	---	---	---	---	---	---	---
MW6I	09/07/89	---	97.60i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND
MW6I	04/30/90	---	97.60i	12.66	84.94i	---	---	ND	---	---	---	ND	ND	ND	ND
MW6I	10/16/90	---	97.60i	12.71	84.89i	---	---	---	---	---	---	---	---	---	---
MW6I	12/06/90	---	97.60i	12.75	84.85i	---	---	---	---	---	---	---	---	---	---
MW6I	01/14/91	---	97.60i	12.55	85.05i	---	---	---	---	---	---	---	---	---	---
MW6I	02/08/91	---	97.60i	12.32	85.28i	---	---	---	---	---	---	---	---	---	---
MW6I	04/02/91	---	97.60i	12.22	85.38i	---	---	---	---	---	---	---	---	---	---
MW6I	05/07/91	---	97.60i	12.61	84.99i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6I	05/31/91	---	97.60i	12.82	84.78i	---	---	---	---	---	---	---	---	---	---
MW6I	06/26/91	---	97.60i	12.93	84.67i	---	---	---	---	---	---	---	---	---	---
MW6I	08/05/91	---	97.60i	13.01	84.59i	---	---	---	---	---	---	---	---	---	---
MW6I	08/14/91	---	97.60i	12.98	84.62i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6I	09/11/91	---	97.60i	13.11	84.49i	---	---	---	---	---	---	---	---	---	---
MW6I	10/16/91	---	97.60i	13.04	84.56i	---	---	---	---	---	---	---	---	---	---
MW6I	12/30/91	---	97.60i	12.72	84.88i	---	---	---	---	---	---	---	---	---	---
MW6I	12/31/91	---	97.60i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6I	02/25/92	---	97.60i	12.45	85.15i	---	---	---	---	---	---	---	---	---	---
MW6I	03/25/92	---	97.60i	12.12	85.48i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6I	06/16/92	---	14.14	12.75	1.39	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5
MW6I	09/08/92	---	14.14	12.84	1.30	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	11/05/92	---	14.14	12.75	1.39	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	12/14/92	---	14.14	12.40	1.74	No	---	---	---	---	---	---	---	---	---
MW6I	01/28/93	---	14.14	12.20	1.94	No	---	---	---	---	---	---	---	---	---
MW6I	02/11/93	---	14.14	12.40	1.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	03/09/93	---	14.14	12.45	1.69	No	---	---	---	---	---	---	---	---	---
MW6I	04/14/93	---	14.14	12.43	1.71	No	---	---	---	---	---	---	---	---	---
MW6I	05/11/93	---	14.14	12.73	1.41	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	06/17/93	---	14.14	12.78	1.36	No	---	---	---	---	---	---	---	---	---
MW6I	07/26/93	---	14.14	12.92	1.22	No	---	---	---	---	---	---	---	---	---
MW6I	08/10/93	---	14.14	12.97	1.17	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	09/21/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---
MW6I	10/27/93	---	14.14	13.10	1.04	No	---	<50	---	---	---	<0.5	<0.5	<0.5	1.1
MW6I	11/23/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---
MW6I	12/17/93	---	14.14	12.65	1.49	No	---	---	---	---	---	---	---	---	---
MW6I	02/16/94	---	14.14	12.66	1.48	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	05/31/94	---	14.14	12.90	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	08/30/94	---	16.26j	13.06	3.20	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	11/11/94	---	16.26j	15.20	1.06	No	---	53	---	---	---	0.62	1.8	<0.5	2.0
MW6I	02/27/95	---	16.26j	12.51	3.75	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW6I	05/30/95	---	16.26j	12.57	3.69	No	---	69	---	---	---	2.8	0.96	1.1	4.3
MW6I	08/30/95	---	16.26j	12.86	3.4	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5
MW6I	11/26/96	---	16.26j	12.45	3.81	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6I	02/27/97	---	16.26j	12.24	4.02	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6I	05/21/97	---	16.26j	12.82	3.44	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6I	08/18/97	---	16.26j	12.81	3.45	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5
MW6I	03/13/98	---	16.26j	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	04/20/98	---	16.26j	12.14	4.12	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6I	07/21/98	---	20.24	12.59	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6I	10/06/98	---	20.24	12.81	7.43	No	---	---	---	---	---	---	---	---	---
MW6I	01/11/99	---	20.24	12.74	7.50	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW6I	04/08/99	---	20.24	11.93	8.31	No	---	---	---	---	---	---	---	---	---
MW6I	07/19/99	---	20.24	11.75	8.49	No	---	281	---	17.6	---	35.4	9.1	7.4	30.7

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6I	07/27/99	---	20.24	12.95	7.29	No	---	---	---	---	---	---	---	---	---
MW6I	10/25/99	---	20.24	12.79	7.45	No	---	---	---	---	---	---	---	---	---
MW6I	01/27/00	---	20.24	12.06	8.18	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	04/03/00	---	20.24	12.24	8.00	No	---	---	---	---	---	---	---	---	---
MW6I	07/05/00	---	20.24	12.48	7.76	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	10/05/00	---	20.24	---	---	---	---	---	<1,000	---	---	---	---	---	---
MW6I	01/04/01	---	20.24	12.54	7.70	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	04/03/01	---	20.24	12.32	7.92	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	07/05/01	---	20.24	12.55	7.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	10/01/01	---	19.87	Well surveyed in compliance with AB 2886 requirements.											
MW6I	10/03/01	---	20.24	12.67	7.57	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6I	01/02/02	---	19.87	10.98	8.89	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50
MW6I	04/02/02 b	---	19.87	12.24	7.63	No	---	---	---	---	---	---	---	---	---
MW6I	07/01/02	---	19.87	12.51	7.36	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW6I	10/02/02 b	---	19.87	12.72	7.15	No	---	---	---	---	---	---	---	---	---
MW6I	01/07/03	---	19.87	12.09	7.78	No	---	<50.0	<50	<0.5	1.10	<0.5	<0.5	<0.5	<0.5
MW6I	06/17/03 b	---	19.87	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	19.87	12.49	7.38	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6I	10/07/03 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	19.87	12.13	7.74	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
MW6I	06/03/04 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	19.87	c	c	c	99c	<50.0c	155c	---	<0.50c	<0.50c	<0.5c	<0.5c	0.8c
MW6I	11/04/04 b	---	19.87	12.33	7.54	No	---	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	19.87	12.09	7.78	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW6I	05/03/05 b	---	19.87	12.16	7.71	No	---	---	---	---	---	---	---	---	---
MW6I	08/04/05	---	19.87	12.46	7.41	No	54.2d	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500
MW6I	10/27/05 b	---	19.87	12.58	7.29	No	---	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	19.87	12.04	7.83	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6I	04/28/06 b	---	19.87	11.94	7.93	No	---	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	19.87	13.06	6.81	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00
MW6I	10/27/06 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---
MW6I	01/19/07	---	19.87	12.41	7.46	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	0.62
MW6I	04/24/07 b	---	19.87	12.11	7.76	No	---	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	19.87	12.51	7.36	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6I	12/03/07	---	19.87	12.64	7.23	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6I	03/06/08	---	19.87	11.97	7.90	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW6I	06/26/08 b	---	19.87	12.54	7.33	No	---	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	19.87	12.53	7.34	No	81.3d,m,n	<50.0	137m	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW6I	10/23/08 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6I	03/25/09	---	19.87	12.14	7.73	No	<50	<50	<250	---	<0.50	1.1	1.1	0.53	2.3
MW6I	06/17/09 b	---	19.87	12.43	7.44	No	---	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	19.87	12.55	7.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6I	03/09/10	---	19.87	11.82	8.05	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6I	09/17/10	---	19.87	12.63	7.24	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6I	02/15/11	---	19.87	12.04	7.83	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6I	08/23/11	---	19.87	12.41	7.46	No	<50	<50	<250	---	<0.50	0.73	<0.50	<0.50	<1.0
MW6I	02/09/12	---	19.87	12.33	7.54	No	<50	<50	<250	---	<0.50	<0.50	1.2	0.87o	2.6
MW6J	04/06/01	---	Well installed.												
MW6J	07/05/01	---	20.72	13.47	7.25	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6J	10/03/01	---	20.72	13.57	7.15	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
MW6J	Oct-01	---	20.75	Well surveyed in compliance with AB 2886 requirements.											
MW6J	01/02/02	---	20.75	13.19	7.56	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50
MW6J	04/02/02	---	20.75	13.74	7.01	No	---	<50.0	<100	1.00	---	0.80	<0.50	<0.50	0.80
MW6J	07/01/02	---	20.75	13.58	7.17	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW6J	10/02/02	---	20.75	13.79	6.96	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW6J	01/07/03	---	20.75	13.49	7.26	No	---	<50.0	<50	0.60	1.30	<0.5	<0.5	<0.5	<0.5
MW6J	06/17/03	---	20.75	13.76	6.99	No	---	<50.0	<100	3.00	0.70	<0.50	<0.5	<0.5	<0.5
MW6J	07/16/03	---	20.75	13.57	7.18	No	---	<50.0	<100	0.70	0.60	<0.50	<0.5	<0.5	<0.5
MW6J	10/07/03	---	20.75	13.74	7.01	No	---	<50.0	<100	1.1	1.20	<0.50	<0.5	<0.5	<0.5
MW6J	01/14/04	---	20.75	13.46	7.29	No	<50	<50.0	<100	1.8	1.80	<0.50	<0.5	<0.5	<0.5
MW6J	06/03/04	---	20.75	13.72	7.03	No	<50	<50.0	<100	5.1	10.3	0.50	<0.5	<0.5	<0.5
MW6J	08/12/04	---	20.75	c	c	c	<50c	<50.0c	<100c	---	3.30c	1.40c	2.1c	1.3c	4.6c
MW6J	11/04/04	---	20.75	13.68	7.07	No	<50	<50.0	116	---	3.50	0.50	0.5	<0.5	<0.5
MW6J	02/01/05	---	20.75	13.47	7.28	No	<100	<50.0	<100	---	5.50	<0.50	<0.5	<0.5	0.6
MW6J	05/03/05	---	20.75	13.66	7.09	No	<50	<50.0	<100	---	3.00	0.70	0.9	0.6	0.8
MW6J	08/04/05	---	20.75	13.75	7.00	No	55.8d	<50.0	130	---	<0.500	<0.500	<0.500	<0.500	<0.500
MW6J	10/27/05	---	20.75	13.71	7.04	No	<50.0	<50.0	<50.0	---	2.48	<0.50	0.94f	<0.50	<0.50
MW6J	01/26/06	---	20.75	13.49	7.26	No	<50	<50	<500	---	6.2	<0.50	<0.50	<0.50	<0.50
MW6J	04/28/06	---	20.75	13.56	7.19	No	<47	<50	<470	---	7.2	<0.50	<0.50	<0.50	<0.50
MW6J	07/05/06	---	20.75	13.75	7.00	No	<47.6	<50.0	<95.2	---	7.73	<1.00	<1.00	<1.00	<3.00
MW6J	10/27/06	---	20.75	13.66	7.09	No	<47	67.7	<470	---	9.15	<0.50	<0.50	<0.50	<0.50
MW6J	01/19/07	---	20.75	13.51	7.24	No	<47	<50.0	<470	---	12.1	<0.50	<0.50	<0.50	<0.50
MW6J	04/24/07	---	20.75	13.76	6.99	No	<47.6	<50.0	<47.6	---	12.8	<0.50	<0.50	<0.50	<0.50
MW6J	07/24/07	---	20.75	14.01	6.74	No	<47	<50	<470	---	16	<0.50	<0.50	<0.50	<0.50
MW6J	12/03/07	---	20.75	13.71	7.04	No	<47	<50	<470	---	29	<0.50	<0.50	<0.50	<0.50
MW6J	03/06/08	---	20.75	Well inaccessible due to encroachment permit restrictions.											
MW6J	06/26/08	---	20.75	Well inaccessible due to encroachment permit restrictions.											
MW6J	08/12/08	---	20.75	Well inaccessible due to encroachment permit restrictions.											
MW6J	10/23/08	---	20.75	13.40	7.35	No	<50	<50	<250	---	10	<0.50	<0.50	<0.50	<1.0

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6J	03/25/09	---	20.75	13.19	7.56	No	<50	<50	<250	---	8.7	<0.50	<0.50	<0.50	1.4
MW6J	06/17/09	---	20.75	13.69	7.06	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0
MW6J	06/17/09	---	20.75	---	---	---	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0
MW6J	09/04/09	---	20.75	13.31	7.44	No	<50	<50	<250	---	16	<0.50	<0.50	<0.50	<1.0
MW6J	03/09/10	---	20.75	12.84	7.91	No	<50	<50	<250	---	12	<0.50	<0.50	<0.50	<1.0
MW6J	09/17/10	---	20.75	13.27	7.48	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0
MW6J	02/15/11	---	20.75	12.80	7.95	No	<50	<50	<250	---	6.7	<0.50	<0.50	<0.50	<1.0
MW6J	08/23/11	---	20.75	13.18	7.57	No	<50	<50	<250	---	5.1	<0.50	<0.50	<0.50	<1.0
MW6J	02/09/12	---	20.75	13.17	7.58	No	<50	<50	<250	---	5.3	0.71	3.0	2.1	6.1
RW1	05/10/90	---	97.89i	Well installed.											
RW1	10/16/90	---	97.89i	12.24	85.65i	---	---	---	---	---	---	---	---	---	---
RW1	01/14/91	---	97.89i	12.80	85.09i	---	---	---	---	---	---	---	---	---	---
RW1	02/08/91	---	97.89i	12.53	85.36i	---	---	---	---	---	---	---	---	---	---
RW1	05/31/91	---	97.89i	12.86	85.03i	---	---	---	---	---	---	---	---	---	---
RW1	08/05/91	---	97.89i	13.19	84.70i	---	---	---	---	---	---	---	---	---	---
RW1	08/13/91	---	97.89i	14.05	83.84i	---	---	---	---	---	---	---	---	---	---
RW1	09/11/91	---	97.89i	15.96	81.93i	---	---	---	---	---	---	---	---	---	---
RW1	10/16/91	---	97.89i	16.00	81.89i	---	---	---	---	---	---	---	---	---	---
RW1	12/30/91	---	97.89i	12.65	85.24i	---	---	---	---	---	---	---	---	---	---
RW1	02/25/92	---	97.89i	14.40	83.49i	---	---	---	---	---	---	---	---	---	---
RW1	03/25/92	---	97.89i	---	---	---	---	---	---	---	---	---	---	---	---
RW1	06/16/92	---	14.42	12.37	2.05	---	---	6,200	---	---	---	620	1,400	240	1,400
RW1	09/08/92	---	Not monitored or sampled.												
RW1	08/30/94	---	16.79j	Well resurveyed.											
RW1	08/31/94 - 10/16/98	---	Not monitored or sampled.												
RW1	01/11/99	---	20.24	12.37	7.87	No	---	---	---	---	---	---	---	---	---
RW1	04/08/99	---	20.24	10.41	9.83	No	---	---	---	---	---	---	---	---	---
RW1	07/19/99	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---
RW1	07/27/99	---	20.24	12.76	7.48	No	---	---	---	---	---	---	---	---	---
RW1	10/25/99	---	20.24	12.50	7.74	No	---	---	---	---	---	---	---	---	---
RW1	01/27/00	---	20.24	12.11	8.13	No	---	---	---	---	---	---	---	---	---
RW1	04/03/00	---	20.24	12.07	8.17	No	---	---	---	---	---	---	---	---	---
RW1	07/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---
RW1	01/04/01	---	20.24	13.90	6.34	No	---	8,000	---	2,500	---	1,200	65	250	258
RW1	04/03/01	---	20.24	11.92	8.32	No	---	4,100	---	610	---	62	<2.5	18	61
RW1	07/05/01	---	20.24	Well inaccessible.											
RW1	10/03/01	---	20.24	12.32	8.32	No	---	11,000	---	4,100	---	1,900	780	150	700
RW1	Oct-01	---	20.43	Well surveyed in compliance with AB 2886 requirements.											

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
RW1	01/02/02	---	20.43	10.85	9.58	No	---	32,000	---	7,760	---	358	2,270	894	4,820
RW1	04/02/02	---	20.43	11.72	8.71	No	---	4,220	<500	922	---	172	22.5	106	340
RW1	07/01/02	---	20.43	12.17	8.26	No	---	2,500	<100a	986	---	176	8.0	71.0	75.0
RW1	10/02/02	---	20.43	12.44	7.99	No	---	2,970	1,720	1,310	---	197	11.0	70.0	69.0
RW1	01/07/03	---	20.43	11.64	8.79	No	---	2,210	1,340	747	1,010	134	12.0	33.0	53.0
RW1	06/17/03	---	20.43	11.98	8.45	No	---	3,850	316	645	847	48.9	38.7	46.1	197
RW1	07/16/03	---	20.43	12.11	8.32	No	---	2,640	2,080	730	615	78.5	20.0	47.5	166
RW1	10/07/03	---	20.43	12.35	8.08	No	1,340	2,310	1,040	744	578	118	7.6	25.1	52.1
RW1	01/14/04	---	20.43	11.61	8.82	No	4,240	4,230	5,640	7.8	328	52.7	65.8	42.7	543
RW1	06/03/04	---	20.43	12.12	8.31	No	---	2,910	1,840	234	250	79.9	6.0	28.6	67.2
RW1	08/12/04	---	20.43	c	c	c	---	1,980c	164c	---	107c	146c	5.7c	18.1c	10.9c
RW1	11/04/04	---	20.43	12.06	8.37	No	2,570	127,000	1,790	---	386	130	5,150	4,020	24,300
RW1	02/01/05	---	20.43	11.55	8.88	No	3,530	2,880	4,680	---	78.7	25.3	13.3	49.3	258
RW1	05/03/05	---	20.43	11.58	8.85	No	6,830d,e	2,490	14,600	---	91.3	33.8	18.4	17.3	97.7
RW1	08/04/05	---	20.43	12.10	8.33	No	2,430d	3,080	3,410	---	49.6	193	20.4	48.2	117
RW1	10/27/05	---	20.43	12.32	8.11	No	1,970	348	2,960	---	36.3	9.40	1.99f	2.22	5.36
RW1	01/26/06	---	20.43	11.55	8.88	No	5,000d	640	<10,000	---	72	13	7.5	1.8	5.2
RW1	04/28/06	---	20.43	11.23	9.20	No	950d	810	1,500	---	30	18	12	4.9	19
RW1	07/05/06	---	20.43	11.96	8.47	No	687	1,020	886	---	40.0	25.0	4.77	4.67	11.4
RW1	10/27/06	---	20.43	12.31	8.12	No	550d	937	600	---	45.4	21.1	4.82	5.37	8.14
RW1	01/19/07	---	20.43	11.96	8.47	No	2,500d	1,070	2,500	---	33.4	21.9	2.22	3.40	6.99
RW1	04/24/07	---	20.43	11.61	8.82	No	k	806	k	---	28.0	20.9	2.77	2.81	5.46
RW1	07/24/07	---	20.43	12.20	8.23	No	2,100d	510	3,500d	---	17	18	1.8	0.92	2.0
RW1	12/03/07	---	20.43	12.30	8.13	No	1,100d,l	400	1,700d	---	12	18	1.4	1.6	1.8
RW1	03/06/08	---	20.43	11.62	8.81	No	380d	490	480	---	22	18	1.6	<1.0	1.7
RW1	06/26/08	---	20.43	12.52	7.91	No	1,100d	560	1,800d	---	20	51	3.1	2.0	4.2
RW1	08/12/08	---	20.43	12.51	7.92	No	16,500d,e,m,n	1,720	20,400m	---	16.8	391	29.7	29.7	52.5
RW1	10/23/08	---	20.43	12.68	7.75	No	---	---	---	---	---	---	---	---	---
RW1	10/30/08	---	20.43	---	---	---	930	2,500	1,200	---	18	21	7.9	11	15
RW1	03/25/09	---	20.43	11.45	8.98	No	2,400	1,100	1,800	---	21	45	2.9	<2.5	<5.0
RW1	06/17/09	---	20.43	11.97	8.46	No	390	2,000	<250	---	30	62	<0.50	3.4	5.6
RW1	06/17/09	---	20.43	---	---	---	390	2000	<250	---	30	62	<0.50	3.4	5.6
RW1	09/04/09	---	20.43	12.37	8.06	No	710d	1,300	750	---	22	16	3.1	0.75	<1.0
RW1	03/09/10	---	20.43	10.69	9.74	No	630d	1,800	340	---	23	85	4.4	5.9	8.8
RW1	09/17/10	---	20.43	12.29	8.14	No	400d	670d	<250	---	17	48	2.9	2.6	4.0
RW1	02/15/11	---	20.43	11.29	9.14	No	350d	1,300d	<250	---	12	47	4.5	3.2	8.7
RW1	08/23/11	---	20.43	11.86	8.57	No	460d	1,100d	300	---	9.0	13	1.8	2.4	4.3
RW1	02/09/12	---	20.43	11.68	8.75	No	1,200d	1,400d	1,300	---	7.2s	34	6.7	3.4	10
MW6D	07/06/88	---	98.78i	Well installed.											
MW6D	07/11/88	---	98.78i	13.48	85.24i	0.002083	---	---	---	---	---	220	27	<20	<10

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6D	10/20/88	---	98.78i	---	---	---	---	---	---	---	---	710	74	22	110
MW6D	12/15/88	---	98.78i	13.44	85.34i	---	---	---	---	---	---	---	---	---	---
MW6D	09/07/89	---	98.78i	---	---	---	---	2,200	---	---	---	600	26	58	31
MW6D	04/30/90	---	98.78i	13.19	85.59i	---	---	3,600	---	---	---	800	150	310	280
MW6D	05/10/90	---	98.78i	Well over-drilled into recovery well RW2.											
RW2	10/16/90	---	98.11i	12.77	85.34i	---	---	---	---	---	---	---	---	---	---
RW2	02/08/91	---	98.11i	13.11	85.00i	---	---	---	---	---	---	---	---	---	---
RW2	04/02/91	---	98.11i	11.70	86.41i	---	---	---	---	---	---	---	---	---	---
RW2	05/07/91	---	98.11i	14.09	84.02i	---	---	11,000	---	---	---	3,200	480	150	780
RW2	05/31/91	---	98.11i	16.01	82.10i	---	---	---	---	---	---	---	---	---	---
RW2	06/26/91	---	98.11i	14.60	83.51i	---	---	---	---	---	---	---	---	---	---
RW2	08/05/91	---	98.11i	14.00	84.11i	---	---	---	---	---	---	---	---	---	---
RW2	08/13/91	---	98.11i	21.30	76.81i	---	---	---	---	---	---	---	---	---	---
RW2	09/11/91	---	98.11i	19.97	78.14i	---	---	---	---	---	---	---	---	---	---
RW2	10/16/91	---	98.11i	15.19	82.92i	---	---	---	---	---	---	---	---	---	---
RW2	12/30/91	---	98.11i	13.19	84.92i	---	---	---	---	---	---	---	---	---	---
RW2	02/25/92	---	98.11i	16.27	81.84i	---	---	---	---	---	---	---	---	---	---
RW2	03/25/92	---	98.11i	---	---	---	---	---	---	---	---	---	---	---	---
RW2	06/16/92	---	14.61	12.86	1.75	---	---	28,000	---	---	---	2,900	1,000	120	2,700
RW2	09/08/92- 05/31/94	---	Not monitored or sampled.												
RW2	08/30/94	---	17.02j	Well resurveyed.											
RW2	08/31/94- 04/20/98	---	Not monitored or sampled.												
RW2	07/21/98	---	20.44	12.65	7.79	No	---	3,500	---	170	---	240	100	41	96
RW2	10/06/98	---	20.44	13.06	7.38	No	---	3,200	---	200	---	120	48	56	120
RW2	01/11/99	---	20.44	12.88	7.56	No	---	3,300	---	350	---	150	17	35	40
RW2	04/08/99	---	20.44	11.76	8.68	sheen	---	---	---	---	---	---	---	---	---
RW2	07/19/99	---	20.44	11.61	8.83	No	---	1,980	---	160	499	44	4.16	22.3	11.6
RW2	07/27/99	---	20.44	13.26	7.18	No	---	---	---	---	---	---	---	---	---
RW2	10/25/99	---	20.44	12.96	7.48	No	---	1,800	---	440	---	51	<0.5	4.7	9.5
RW2	01/27/00	---	20.44	12.70	7.74	No	---	1,900	---	750	---	38	<2.5	4.8	10.4
RW2	04/03/00	---	20.44	11.97	8.47	No	---	2,100	---	300	---	28	2.4	1.4	0.73
RW2	07/05/00	---	20.44	12.50	7.94	No	---	2,300	---	230	---	20	<2.5	5.3	8
RW2	10/04/00	---	20.44	12.97	7.47	No	---	1,300	---	570	---	42	<2.5	15	17.7
RW2	10/05/00	---	20.44	---	---	---	---	---	<1,000	---	---	---	---	---	---
RW2	01/04/01	---	20.44	13.71	6.73	No	---	1,000	---	380	---	33	<2.5	13	17.7
RW2	04/03/01	---	20.44	12.10	8.34	No	---	1,300	---	99	---	18	2.1	16	19.4
RW2	07/05/01	---	20.44	Well inaccessible.											
RW2	10/03/01	---	20.44	12.8	7.64	No	---	1,900	---	240	---	35	4.4	34	105
RW2	Oct-01	---	20.64	Well surveyed in compliance with AB 2886 requirements.											
RW2	01/02/02	---	20.64	10.22	10.42	No	---	2,440	---	76.0	---	24.4	6.20	26.2	83.0

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
RW2	04/02/02	---	20.64	12.02	8.62	No	---	1,460	260	47.5	---	8.60	3.30	5.30	29.1
RW2	07/01/02	---	20.64	12.51	8.13	No	---	1,380	<100a	39.9	---	11.0	1.8	17.9	45.0
RW2	10/02/02	---	20.64	12.91	7.73	No	---	720	<100	46.9	---	5.5	1.7	3.7	11.9
RW2	01/07/03	---	20.64	11.61	9.03	No	---	1,180	197	48.0	56.0	12.3	3.6	12.2	25.6
RW2	06/17/03	---	20.64	12.32	8.32	No	---	1,070	<100	29.7	26.4	13.9	4.4	11.8	16.9
RW2	07/16/03	---	20.64	12.51	8.13	No	---	1,200	295	32.9	19.3	6.60	4.1	10.9	12.3
RW2	10/07/03	---	20.64	12.81	7.83	No	332	1,170	<100	55.0	50.2	8.70	1.1	9.3	12.2
RW2	01/14/04	---	20.64	11.70	8.94	No	167	1,250	<100	8.4	128	18.0	4.4	8.6	10.7
RW2	06/03/04	---	20.64	12.93	7.71	No	---	1,100	1,310	17.0	10.9	6.70	1.3	4.0	11.5
RW2	08/12/04	---	20.64	c	c	c	438c	1,110c	521c	---	32.8c	7.00c	1.5c	3.1c	10.2c
RW2	11/04/04	---	20.64	12.30	8.34	No	503	506	419	---	r	4.30	5.9	6.2	16.0
RW2	02/01/05	---	20.64	11.61	9.03	No	725	640	1,400	---	13.7	5.30	1.5	4.0	3.8
RW2	05/03/05	---	20.64	11.72	8.92	No	493d,e	1,130	801	---	8.20	10.3	1.1	5.8	6.3
RW2	08/04/05	---	20.64	12.46	8.18	No	3,020d	1,060	3,810	---	9.02	6.36	0.848	1.90	2.47
RW2	10/27/05	---	20.64	12.71	7.93	No	716	163	703	---	8.74	<0.50	<0.50	<0.50	0.95
RW2	01/26/06	---	20.64	11.65	8.99	No	410d	620a	<500	---	5.1	6.1 a	1.2 a	4.3 a	2.1 a
RW2	04/28/06	---	20.64	11.24	9.40	No	300d	680	<470	---	2.6	9.7	1.2	5.3	2.9
RW2	07/05/06	---	20.64	12.33	8.31	No	284	946	221	---	<0.500	8.87	1.05	1.81	3.10
RW2	10/27/06	---	20.64	12.78	7.86	No	240d	920	<470	---	4.59	<0.50	<0.50	3.65	3.09
RW2	01/19/07	---	20.64	12.29	8.35	No	230d	794	<470	---	3.72	6.32	2.27	<0.50	3.09
RW2	04/24/07	---	20.64	11.81	8.83	No	652d	1,170	332	---	3.01	7.21	<0.50	6.74	6.15
RW2	07/24/07	---	20.64	12.51	8.13	No	250d	970	<470	---	2.5	9.1	<0.50	2.8	1.9
RW2	12/03/07	---	20.64	12.71	7.93	No	660d,l	460	660d	---	6.8	7.5	<2.5	<2.5	<2.5
RW2	03/06/08	---	20.64	11.61	9.03	No	610d	750	620d	---	2.2	8.5	<2.5	2.7	<2.5
RW2	06/26/08	---	20.64	12.71	7.93	No	500d	400	580d	---	1.6	5.6	<1.0	<1.0	1.1
RW2	08/12/08	---	20.64	12.81	7.83	No	372d,m,n	317	222m	---	1.36	37.3	<0.50	4.13	3.99
RW2	10/23/08	---	20.64	12.97	7.67	No	190	370	<250	---	<0.50	3.2	<0.50	5.5	8.1
RW2	03/25/09	---	20.64	11.47	9.17	No	270	400	<250	---	0.89	<0.50	0.86	3.7	3.5
RW2	06/17/09	---	20.64	12.25	8.39	No	310	1,100	<250	---	0.76	6.8	<0.50	5.7	4.4
RW2	06/17/09	---	20.64	---	---	---	310	1100	<250	---	0.76	6.8	<0.50	5.7	4.4
RW2	09/04/09	---	20.64	12.68	7.96	No	170d	840	<250	---	<0.50	<0.50	<0.50	0.76o	<1.0
RW2	03/09/10	---	20.64	10.73	9.91	No	340d	1,400	<250	---	<0.50	6.1	1.7	7.2	3.7
RW2	09/17/10	---	20.64	12.61	8.03	No	120d	550d	<250	---	0.95	<0.50	0.67	3.1	1.5
RW2	02/15/11	---	20.64	11.50	9.14	No	110d	600d	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
RW2	08/23/11	---	20.64	12.19	8.45	No	140d	970d	<250	---	0.64	2.0	2.7	4.6	7.8
RW2	02/09/12	---	20.64	11.81	8.83	No	200d	810d	<250	---	<0.50	<0.50	<0.50	3.8	5.0
MW6C	06/15/88	---	99.89i	Well installed.											
MW6C	06/24/88	---	99.89i	---	---	---	---	---	---	---	---	7,400	7.1	170	2,300
MW6C	07/11/88	---	99.89i	14.21	85.68i	---	---	---	---	---	---	---	---	---	---
MW6C	10/20/88	---	99.89i	---	---	---	---	---	---	---	---	9,500	65	170	850

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6C	12/15/88	---	99.89i	14.10	85.79i	---	---	---	---	---	---	---	---	---	---
MW6C	09/07/89	---	99.89i	---	---	---	---	18,000	---	---	---	7,900	430	350	1,100
MW6C	04/30/90	---	99.89i	13.81	86.68i	---	---	30,000	---	---	---	6,100	1,500	1,000	2,700
MW6C	05/10/90	---	---	Well over-drilled into recovery well RW3.											
RW3	10/16/90	---	98.97i	13.29	85.68i	---	---	---	---	---	---	---	---	---	---
RW3	01/14/91	---	98.97i	14.50	84.47i	---	---	---	---	---	---	---	---	---	---
RW3	02/08/91	---	98.97i	12.54	86.43i	---	---	---	---	---	---	---	---	---	---
RW3	04/02/91	---	98.97i	11.39	87.58i	---	---	---	---	---	---	---	---	---	---
RW3	05/07/91	---	98.97i	12.47	86.50i	---	---	5,800	---	---	---	4,200	640	220	670
RW3	05/31/91	---	98.97i	16.31	82.66i	---	---	---	---	---	---	---	---	---	---
RW3	06/26/91	---	98.97i	15.50	83.47i	---	---	---	---	---	---	---	---	---	---
RW3	08/05/91	---	98.97i	13.69	85.28i	---	---	---	---	---	---	---	---	---	---
RW3	08/13/91	---	98.97i	13.67	85.30i	---	---	---	---	---	---	---	---	---	---
RW3	08/14/91	---	98.97i	---	---	---	---	3,800	---	---	---	2,300	300	49	360
RW3	09/11/91	---	98.97i	13.77	85.20i	---	---	---	---	---	---	---	---	---	---
RW3	10/16/91	---	98.97i	16.66	82.31i	---	---	---	---	---	---	---	---	---	---
RW3	11/05/91	---	Well destroyed.												
RW3A	08/24/92	---	---	Well installed in place of RW3.											
RW3A	08/24/92- 04/20/98	---	Not monitored or sampled.												
RW3A	07/21/98	---	21.75	13.08	8.67	No	---	280	---	16	---	97	<1.2	<1.2	<1.2
RW3A	10/06/98	---	21.89	13.72	8.17	No	---	78	---	26	---	26	0.89	<0.5	<0.5
RW3A	01/11/99	---	21.75	12.00	9.75	No	---	1,000	---	230	---	490	5.0	<5.0	7.4
RW3A	04/08/99	---	21.75	11.90	9.85	No	---	130	---	11	---	70	<1.0	<1.0	<1.0
RW3A	07/19/99	---	21.75	11.75	10.00	No	---	989	---	16.4	---	393	6.40	5.70	15.0
RW3A	07/27/99	---	21.75	13.68	8.07	No	---	---	---	---	---	---	---	---	---
RW3A	10/25/99	---	21.75	13.61	8.14	No	---	150	---	19	---	53	<0.5	<0.5	<0.5
RW3A	01/27/00	---	21.75	12.22	9.53	No	---	500	---	12	---	210	0.59	1.40	2.29
RW3A	04/03/00	---	21.75	12.00	9.75	No	---	1,100	---	16	---	420	1.6	1.8	1.4
RW3A	07/05/00	---	21.75	13.01	8.74	No	---	1,200	---	16	---	440	1.4	2.5	1.9
RW3A	10/04/00	---	21.75	13.60	8.15	No	---	390	---	8.3	---	160	1.1	1.5	2.6
RW3A	10/05/00	---	21.75	---	---	---	---	---	<1,000	---	---	---	---	---	---
RW3A	01/04/01	---	21.75	13.65	8.10	No	---	500	---	12	---	230	0.97	1.1	1.4
RW3A	04/03/01	---	21.75	12.30	9.45	No	---	710	---	7.5	---	290	<0.5	<0.5	<0.5
RW3A	07/05/01	---	21.75	13.28	8.47	No	---	640	---	9	---	280	1.4	1.6	2.7
RW3A	10/03/01	---	21.75	13.58	8.17	No	---	<50	---	12	---	21	<0.5	<0.5	<0.5
RW3A	Oct-01	---	21.89	Well surveyed in compliance with AB 2886 requirements.											
RW3A	01/02/02	---	21.89	10.80	11.09	No	---	<100	---	11.2	---	<0.50	<0.50	<0.50	<0.50
RW3A	04/02/02	---	21.89	12.03	9.86	No	---	55.7	<100	11.0	---	1.30	<0.50	<0.50	<0.50
RW3A	07/01/02	---	21.89	13.13	8.76	No	---	275	<100a	21.7	---	60.4	<0.5	2.4	4.2
RW3A	10/02/02	---	21.89	13.70	8.19	No	---	138	114	11.1	---	53.4	<0.5	<0.5	0.7

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
RW3A	01/07/03	---	21.89	11.77	10.12	No	---	<50.0	<50	22.4	30.9	1.5	<0.5	<0.5	<0.5
RW3A	06/17/03	---	21.89	12.82	9.07	No	---	54.5	<100	12.8	16.0	7.40	<0.5	<0.5	<0.5
RW3A	07/16/03	---	21.89	13.40	8.49	No	---	112	<100	18.0	13.6	26.0	<0.5	<0.5	<0.5
RW3A	10/07/03	---	21.89	13.93	7.96	No	124	62.6	<100	10.4	11.3	7.30	<0.5	<0.5	<0.5
RW3A	01/14/04	---	21.89	11.55	10.34	No	401	<50.0	<100	11.7	16.2	3.10	<0.5	<0.5	<0.5
RW3A	06/03/04	---	21.89	13.43	8.46	No	---	79.0	<100	19.4	22.4	6.30	<0.5	<0.5	<0.5
RW3A	08/12/04	---	21.89	c	c	c	1,190c	<50.0c	296c	---	16.2c	<0.50c	<0.5c	<0.5c	<0.5c
RW3A	11/04/04	---	21.89	12.91	8.98	No	178	<50.0	122	---	5.40	<0.50	1.7	0.7	3.6
RW3A	02/01/05	---	21.89	11.63	10.26	No	<100	<50.0	<100	---	11.8	<0.50	<0.5	<0.5	<0.5
RW3A	05/03/05	---	21.89	11.79	10.10	No	158d	<50.0	<100	---	8.50	<0.50	<0.5	<0.5	<0.5
RW3A	08/04/05	---	21.89	12.99	8.90	No	687d	89.9	107	---	16.7	26.0	0.645	<0.500	0.835
RW3A	10/27/05	---	21.89	13.49	8.40	No	140	<50.0	79.1	---	4.00	9.63	<0.50	<0.50	0.65
RW3A	01/26/06	---	21.89	11.76	10.13	No	210d	100a	<500	---	17	5.6a	<0.50a	---	<0.50a
RW3A	04/28/06	---	21.89	10.96	10.93	No	140g	82	<470	---	19	2.6	<0.50	<0.50	<0.50
RW3A	07/05/06	---	21.89	13.12	8.77	No	340	50.0	<95.2	---	8.11	1.37	<1.00	<1.00	<3.00
RW3A	10/27/06	---	21.89	13.48	8.41	No	63d	789	<470	---	10.6	287	1.29	<0.50	2.03
RW3A	01/19/07	---	21.89	12.69	9.20	No	49d	<50.0	<470	---	6.25	2.08	<0.50	<0.50	<0.50
RW3A	04/24/07	---	21.89	12.12	9.77	No	<47.6	107	<47.6	---	4.95	17.9	<0.50	<0.50	0.57
RW3A	07/24/07	---	21.89	13.11	8.78	No	<47	<500	<470	---	8.5	240	<5.0	<5.0	<5.0
RW3A	12/03/07	---	21.89	13.35	8.54	No	61d,l	1,200g	<470	---	12	700	<10	<10	13
RW3A	03/06/08	---	21.89	11.69	10.20	No	<47	52	<470	---	4.4	1.5	<0.50	<0.50	<0.50
RW3A	06/26/08	---	21.89	13.46	8.43	No	<47	120	<470	---	10	29	<0.50	<0.50	<0.50
RW3A	08/12/08	---	21.89	13.67	8.22	No	100d,m,n	59.3	146m	---	9.63	19.5	<0.50	<0.50	<0.50
RW3A	10/23/08	---	21.89	13.97	7.92	No	---	---	---	---	---	---	---	---	---
RW3A	10/30/08	---	21.89	---	---	---	<50	<50	<250	---	6.5	0.99	<0.50	<0.50	<1.0
RW3A	03/25/09	---	21.89	11.62	10.27	No	<50	<50	<250	---	6.4	<0.50	<0.50	<0.50	<1.0
RW3A	06/17/09	---	21.89	---	---	---	<50	<50	<250	---	3.3	0.70	<0.50	<0.50	<1.0
RW3A	06/17/09	---	21.89	12.87	9.02	No	<50	<50	<250	---	3.3	0.70o	<0.50	<0.50	<1.0
RW3A	09/04/09	---	21.89	13.54	8.35	No	<50	<50	<250	---	5.6	<0.50	<0.50	<0.50	<1.0
RW3A	03/09/10	---	21.89	10.71	11.18	No	<50	<50	<250	---	4.3	1.8	<0.50	<0.50	<1.0
RW3A	09/17/10	---	21.89	13.46	8.43	No	<50	<50	<250	---	5.2	9.7	<0.50	<0.50	<1.0
RW3A	02/15/11	---	21.89	11.99	9.90	No	<50	<50	<250	---	1.9	2.2	<0.50	<0.50	<1.0
RW3A	08/23/11	---	21.89	12.77	9.12	No	<50	<50	<250	---	2.8	2.5	<0.50	<0.50	<1.0
RW3A	02/09/12	---	21.89	12.52	9.37	No	<50	<50	<250	---	1.7	3.8	<0.50	<0.50	<1.0

Grab Groundwater Samples

W-Comp	10/26/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
<u>CPT Samples</u>															
W-15-CPT1	10/24/08	15	---	---	---	---	26,000	2,400	720	---	<10	500	1,400	750	3,700
W-38-CPT1	10/24/08	38	---	---	---	---	380	670	340	---	<2.5	65	110	21	79
W-15 -CPT2	10/27/08	15	---	---	---	---	260	990	<250	---	2.0	<0.50	<0.50	<0.50	<1.0
W-29 -CPT2	10/27/08	29	---	---	---	---	q	60	q	---	0.66	<0.50	<0.50	<0.50	<1.0
W-39 -CPT2	10/27/08	39	---	---	---	---	160	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0
W-14 -CPT3	10/23/08	14	---	---	---	---	q	20,000	q	---	59	4,200	2,400	860	4,100
<u>GeoProbe Samples</u>															
W-13-GP1	03/29/00	13	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
W-23-GP1	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
W-12-GP2	03/29/00	12	---	---	---	---	---	100	---	<2	---	<0.5	<0.5	<0.5	<0.5
W-23-GP2	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5
<u>Soil Boring Samples</u>															
W-15-B7	03/05/07	15	---	---	---	---	66d	<50	<470	---	0.54	<0.50	<0.50	<0.50	<0.50
W-22-B7	03/05/07	22	---	---	---	---	220d	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50
W-14-B8	03/02/07	14	---	---	---	---	1,900d	<50	2,800d	---	<0.50	<0.50	<0.50	<0.50	<0.50
W-14-16-B9	03/06/07	14-16	---	---	---	---	1,000d	38,000	<480	---	120	15,000	890	700	1,700
W-22.5-24-B	03/06/07	22.5-24	---	---	---	---	81d	490	<480	---	17	160	21	12	40
<u>Used-Oil Tank Pit Samples</u>															
UOW r	11/27/91	---	---	---	---	---	18,000	550	---	---	---	12/15p	4.9/7p	19/20p	72/<5p

**TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:	
TOC Elev.	= Top of casing elevation; datum is mean sea level.
DTW	= Depth to water.
GW Elev.	= Groundwater elevation; datum is mean sea level.
NAPL	= Non-aqueous phase liquid.
Sheen	= Liquid-phase hydrocarbon present as sheen.
in.	= Inches of floating product.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	= Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	= Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	= Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
EDB	= 1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Metals	= Metals analyzed using EPA Method 200.7.
µg/L	= Micrograms per liter.
<	= Less than the indicated reporting limit shown by the laboratory.
---	= Not measured/Not sampled/Not analyzed.
a	= Analyses performed past EPA recommended holding time.
b	= Well sampled semi-annually.
c	= Groundwater elevation data invalidated; analytical results suspect.
d	= Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
e	= TRPH-diesel surrogate was diluted out due to sample matrix
f	= Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	= Elevated result due to single analyte peak in quantitation range.
h	= Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	= Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	= Benchmark is City of Oakland #37J.
k	= Sample container broken in shipment. Analyses not performed.
l	= Analyte detected in associated method blank.
m	= Sample received above recommended temperature.
n	= Analyte detected in bailer bank.
o	= Analyte presence was not confirmed by second column or GC/MS analysis.
p	= Analyzed using EPA Method 624.
q	= Insufficient sample volume.
r	= Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	= Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
MW6A	June 1988	---	Well installed.						
MW6A	06/24/88 - 12/31/91	---	Not analyzed for these analytes.						
MW6A	05/02/92	---	Well destroyed.						
MW6B	June 1988	---	Well installed.						
MW6B	06/24/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6B	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6B	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6B	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6B	01/26/06	---	<0.50	<0.50	0.56	<20	<0.50	<0.50	<100
MW6B	04/28/06	---	<0.50	15	<0.50	27	<0.50	3.6	---
MW6B	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	07/24/07	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6B	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6B	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6B	03/25/09	---	<12	<12	<12	<120	<12	<12	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	09/04/09	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---
MW6B	03/09/10	---	<2.0	<2.0	<2.0	28	<2.0	7.8	---
MW6B	09/17/10	---	---	---	<1.0	16	<1.0	2.7	---
MW6B	02/15/11	---	<10	<10	<10	<100	<10	10	---
MW6B	08/23/11	---	<12	<12	<12	<120	<12	<12	---
MW6B	02/09/12	---	<0.50	<0.50	<0.50	53	<0.50	7.4	---
MW6E	10/04/88	---	Well installed.						
MW6E	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6E	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6E	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6E	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6E	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6E	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6E	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6E	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	10/05/88	---	Well installed.						
MW6F	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6F	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6F	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6F	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	05/03/05	---	<0.50	1.70	0.90	<10.0	<0.50	<0.50	<50.0
MW6F	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6F	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6F	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6F	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	12/03/07	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6F	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6F	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6G	11/16/88	---	Well installed.						
MW6G	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6G	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6G	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6G	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6G	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6G	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6G	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<100
MW6G	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6G	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6H	Dec-88	---	Well installed.						
MW6H	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6H	01/07/03	---	<0.50	<0.50	<0.50	952	<0.50	7.50	---
MW6H	06/17/03	---	<0.50	<0.50	<0.50	678	<0.50	7.10	<100
MW6H	07/16/03	---	<0.50	14.6	0.70	307	<0.50	6.20	<100
MW6H	10/07/03	---	<0.50	<0.50	<0.50	294	<0.50	7.40	<100
MW6H	01/14/04	---	<0.50	<0.50	<0.50	883	<0.50	6.80	<50.0
MW6H	06/03/04	---	<0.50	<0.50	<0.50	541	<0.50	5.80	<50.0
MW6H	08/12/04	---	<0.50c	<0.50c	<0.50c	754c	<0.50c	5.40c	<50.0c
MW6H	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6H	02/01/05	---	<0.50	<0.50	<0.50	625	<0.50	4.20	<50.0
MW6H	05/03/05	---	<0.50	<0.50	<0.50	436	<0.50	3.10	<50.0
MW6H	08/04/05	---	<0.500	<0.500	<0.500	530	<0.500	3.73	<50.0
MW6H	10/27/05	---	<0.500	<0.500	<0.500	422	<0.500	4.62	<100
MW6H	01/26/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	04/28/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	07/05/06	---	<0.500	<0.500	<0.500	137	<0.500	2.41	<50.0
MW6H	10/27/06	---	<0.500	<0.500	<0.500	131	<0.500	3.61	<100
MW6H	01/19/07	---	<0.500	25.7	28.1	161	<0.500	2.96	<50.0
MW6H	04/24/07	---	<0.500	<0.500	<0.500	173	<0.500	1.97	<50.0
MW6H	07/24/07	---	<0.50	<0.50	<0.50	140	<0.50	3.8	<100
MW6H	12/03/07	---	<0.50	<0.50	<0.50	150	<0.50	7.0	<100
MW6H	03/06/08	---	<0.50	<0.50	<0.50	92	<0.50	1.8	<100
MW6H	06/26/08	---	<0.50	<0.50	<0.50	80	<0.50	1.6	<100
MW6H	08/12/08	---	<0.500	<0.500	<0.500	66.6	<0.500	1.79	<50.0
MW6H	10/30/08	---	<0.50	<0.50	<0.50	76	<0.50	2.4	<50
MW6H	03/25/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	09/04/09	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	03/09/10	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	09/17/10	---	---	---	<12	<120	<12	<12	<1,200
MW6H	02/15/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	08/23/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	02/09/12	---	<0.50	<0.50	<0.50	9.5s	<0.50	1.2	<50

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6I	Dec-88	---	Well installed.						
MW6I	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6I	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6I	06/17/03 b	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	<0.50	<0.50	<0.50	16.4	<0.50	<0.50	<100
MW6I	10/07/03 b	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	05/03/04 b	---	---	---	---	---	---	---	---
MW6I	06/03/04 b	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6I	11/04/04 b	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/05 b	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6I	04/28/06 b	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/06 b	---	---	---	---	---	---	---	---
MW6I	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	04/24/07 b	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6I	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/26/08 b	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6I	10/23/08 b	---	---	---	---	---	---	---	---
MW6I	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/17/09 b	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	04/06/01	---	Well installed.						
MW6J	07/05/01 - 10/02/02	---	Not analyzed for these analytes.						
MW6J	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6J	06/17/03	---	<0.50	0.90	<0.50	<10.0	<0.50	<0.50	<100
MW6J	07/16/03	---	<0.50	1.00	<0.50	<10.0	<0.50	<0.50	<100
MW6J	10/07/03	---	<0.50	<0.5	<0.50	<10.0	<0.50	<0.50	<100
MW6J	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	06/03/04	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	08/12/04	---	<0.50c	1.20c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6J	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	02/01/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	05/03/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)		
MW6J	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0		
MW6J	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100		
MW6J	01/26/06	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	<100		
MW6J	04/28/06	---	<0.50	1.3	<0.50	<20	<0.50	<0.50	---		
MW6J	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0		
MW6J	10/27/06	---	<0.500	1.04	<0.500	<10.0	<0.500	<0.500	---		
MW6J	01/19/07	---	<0.500	1.15	<0.500	<10.0	<0.500	<0.500	<50.0		
MW6J	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---		
MW6J	07/24/07	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	---		
MW6J	12/03/07	---	<0.50	1.8	<0.50	<10	<0.50	<0.50	---		
MW6J	03/06/08	---	Well inaccessible due to encroachment permit restrictions.								
MW6J	06/26/08	---	Well inaccessible due to encroachment permit restrictions.								
MW6J	08/12/08	---	Well inaccessible due to encroachment permit restrictions.								
MW6J	10/23/08	---	<0.50	0.59	<0.50	<5.0	<0.50	<0.50	<50		
MW6J	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
MW6J	09/04/09	---	<0.50	0.74	<0.50	<5.0	<0.50	<0.50	---		
MW6J	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
MW6J	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---		
MW6J	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
MW6J	08/23/11	---	<0.50	0.58	<0.50	<5.0	<0.50	<0.50	---		
MW6J	02/09/12	---	<0.50	<0.50	<0.50	8.5s	<0.50	<0.50	---		
RW1	05/10/90	---	Well installed.								
RW1	10/16/90 - 10/02/02	---	Not analyzed for these analytes.								
RW1	01/07/03	---	<10.0	<10.0	<10.0	<200	<10.0	<10.0	---		
RW1	06/17/03	---	<0.50	<0.50	<0.50	324	<0.50	<0.50	<100		
RW1	07/16/03	---	<10.0	1.70	<0.50	110	<0.50	1.10	<100		
RW1	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100		
RW1	01/14/04	---	<0.50	<0.50	<0.50	234	<0.50	0.90	<50.0		
RW1	06/03/04	---	<0.50	<0.50	<0.50	338	<0.50	1.30	<50.0		
RW1	08/12/04	---	1.30c	<0.50c	<0.50c	437c	<0.50c	1.20c	<50.0c		
RW1	11/04/04	---	<0.50	<0.50	<0.50	541	<0.50	<0.50	<50.0		
RW1	02/01/05	---	<0.50	<0.50	<0.50	261	<0.50	1.80	<50.0		
RW1	05/03/05	---	<0.50	<0.50	<0.50	200	<0.50	<0.50	<50.0		
RW1	08/04/05	---	<0.500	<0.500	<0.500	169	<0.500	<0.500	<50.0		
RW1	10/27/05	---	<0.500	<0.500	<0.500	152	<0.500	0.660	<100		
RW1	01/26/06	---	<2.5	<2.5	<2.5	280	<2.5	<2.5	<500		
RW1	04/28/06	---	<0.50	<0.50	<0.50	86	<0.50	<0.50	<100		
RW1	07/05/06	---	1.02	<0.500	<0.500	80.5	<0.500	<0.500	<50.0		
RW1	10/27/06	---	<0.500	<0.500	<0.500	104	<0.500	<0.500	<100		
RW1	01/19/07	---	<0.500	<0.500	<0.500	64.6	<0.500	<0.500	<50.0		
RW1	04/24/07	---	<0.500	<0.500	<0.500	70.8	<0.500	<0.500	<50.0		
RW1	07/24/07	---	<0.50	<0.50	<0.50	17	<0.50	<0.50	<100		
RW1	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100		
RW1	03/06/08	---	<0.50	<0.50	<0.50	37	<0.50	<0.50	<100		

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)		
RW1	06/26/08	---	<0.50	<0.50	<0.50	18	<0.50	<0.50	<100		
RW1	08/12/08	---	0.710	<0.500	<0.500	23.3	<0.500	<0.500	<50.0		
RW1	10/30/08	---	<0.50	<0.50	<0.50	43	<0.50	<0.50	<50		
RW1	03/25/09	---	<0.50	<0.50	<0.50	46	<0.50	<0.50	<50		
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50		
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50		
RW1	09/04/09	---	<0.50	<0.50	<0.50	60	<0.50	0.55	<50		
RW1	03/09/10	---	<0.50	<0.50	<0.50	70	<0.50	0.61	<50		
RW1	09/17/10	---	---	---	<1.0	56	<1.0	<1.0	---		
RW1	02/15/11	---	<1.0	<1.0	<1.0	35	<1.0	<1.0	---		
RW1	08/23/11	---	<0.50	<0.50	<0.50	25	<0.50	<0.50	---		
RW1	02/09/12	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	---		
MW6D	07/06/88	---	Well installed.								
MW6D	07/11/88 - 04/30/90	---	Not analyzed for these analytes.								
MW6D	05/10/90	---	Well over-drilled into recovery well RW2.								
RW2	10/16/90 - 10/02/02	---	Not analyzed for these analytes.								
RW2	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---		
RW2	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100		
RW2	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100		
RW2	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100		
RW2	01/14/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0		
RW2	06/03/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0		
RW2	08/12/04	---	1.30c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c		
RW2	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0		
RW2	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0		
RW2	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0		
RW2	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0		
RW2	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100		
RW2	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100		
RW2	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---		
RW2	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0		
RW2	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---		
RW2	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0		
RW2	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---		
RW2	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---		
RW2	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---		
RW2	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---		
RW2	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50		
RW2	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---		
RW2	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---		

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW2	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6C	06/15/88	---	Well installed.						
MW6C	06/24/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6C	05/10/90	---	Well over-drilled into recovery well RW3.						
RW3	10/16/90 - 10/16/91	---	Not analyzed for these analytes.						
RW3	11/05/91	---	Well destroyed.						
RW3A	08/24/92	---	Well installed in place of RW3.						
RW3A	08/24/98 - 10/02/02	---	Not analyzed for these analytes.						
RW3A	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
RW3A	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<100
RW3A	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.20	<50.0
RW3A	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<50.0
RW3A	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	1.10c	<50.0c
RW3A	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW3A	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.10	<50.0
RW3A	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	0.60	<50.0
RW3A	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW3A	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	0.980	<100
RW3A	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	3.2	<100
RW3A	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	1.5	<100
RW3A	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.20	<50.0
RW3A	10/27/06	---	<0.500	<0.500	<0.500	17.3	<0.500	3.90	<100
RW3A	01/19/07	---	<0.500	1.30	<0.500	<10.0	<0.500	1.55	<50.0
RW3A	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.61	<50.0
RW3A	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	3.1	<100
RW3A	12/03/07	---	<0.50	<0.50	<0.50	30	<0.50	7.5	<100
RW3A	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.88	<100
RW3A	06/26/08	---	<0.50	<0.50	<0.50	13	<0.50	3.0	<100
RW3A	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.40	<50.0
RW3A	10/30/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50
RW3A	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.72	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	09/04/09	---	<0.50	<0.50	<0.50	6.5	<0.50	1.3	<50
RW3A	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.63	<50
RW3A	09/17/10	---	---	---	<0.50	9.8	<0.50	2.1	<50
RW3A	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.73	<50
RW3A	08/23/11	---	<0.50	<0.50	<0.50	8.9	<0.50	1.6	<50
RW3A	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50

Grab Groundwater Samples

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
W-Comp	10/26/00	---	---	---	---	---	---	---	---
<u>CPT Samples</u>									
W-15-CPT1	10/24/08	15	<10	<10	<10	270	<10	<10	<1,000
W-38-CPT1	10/24/08	38	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<250
W-15 -CPT2	10/27/08	15	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-29 -CPT2	10/27/08	29	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-39 -CPT2	10/27/08	39	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-14 -CPT3	10/23/08	14	<10	<10	<10	260	<10	<10	<1,000
<u>GeoProbe Samples</u>									
W-13-GP1	03/29/00	13	---	---	---	---	---	---	---
W-23-GP1	03/29/00	23	---	---	---	---	---	---	---
W-12-GP2	03/29/00	12	---	---	---	---	---	---	---
W-23-GP2	03/29/00	23	---	---	---	---	---	---	---
<u>Soil Boring Samples</u>									
W-15-B7	03/05/07	15	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-22-B7	03/05/07	22	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-14-B8	03/02/07	14	<0.50	<0.50	<0.50	<12	<0.50	<0.50	<100
W-14-16-B9	03/06/07	14-16	<50	<50	<50	<500	<50	<50	<10,000
W-22.5-24-B9	03/06/07	22.5-24	<1.0	<1.0	<1.0	<10	<1.0	3.4	<200
<u>Used-Oil Tank Pit Samples</u>									
UOW r	11/27/91	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW6A	Well destroyed in 1992.										
MW6B	June 1988	21.09	8	21.5	19	2	PVC	9-19	0.020	7-20	#3 Sand
MW6E	10/04/88	21.24	10.5	21.5	20.5	4	PVC	10-19.5	0.020	8-21.5	#3 Sand
MW6F	10/05/88	22.17	10.5	22	20	4	PVC	10-19.5	0.020	8-22	#3 Sand
MW6	11/16/88	20.46	8	20	20	4	PVC	10-19.5	0.020	8-20	#3 Sand
MW6	11/16/88	20.20	8	21	20	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6I	11/17/88	19.87	8	21	20	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6J	04/06/01	20.75	8	23	23	2	PVC	6-23	0.020	6-23	#2/12 Sand
RW1	05/10/90	20.43	12	25	25	4	PVC	9.5-24.5	0.020	8.5-25	#3 Sand
MW6 RW2	Well converted to groundwater recovery well RW2 in 1990.										
	07/06/88	20.64	12	25	25	4	PVC	9.5-24.5	0.020	9.5-25	#3 Sand
MW6 RW3	Well converted to groundwater recovery well RW3 in 1990. Well destroyed in 1991 and replaced with well RW3A in 1992.										
RW3A	08/24/92	21.89	12	21.5	21.5	4	PVC	9-21	0.020	8-21.5	#3 Sand
VW1	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW2	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW3	08/24/92	NS	12	13.5	13.5	4	PVC	4-13.5	0.050	4-13.5	Aquarium Sand

Notes:

- TOC = Top of well casing elevation; datum is mean sea level.
- PVC = Polyvinyl chloride.
- feet bgs = feet below ground surface.
- NS = Not specified.

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 1 of 6)

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Soil Boring Samples													
B-1 (HLA)	10/04/88	8.0	---	<10	---	0.05	<0.1	<0.2	<0.1	---	---	---	---
B-1 (HLA)	10/04/88	13.0	---	2,000	---	<5	16	10	41	---	---	---	---
B-2 (HLA)	10/04/88	7.0	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
B-2 (HLA)	10/04/88	13.5	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
B-3 (HLA)	10/04/88	7.0	---	<10	---	0.06	<0.1	<0.2	<0.1	---	---	---	---
B-3 (HLA)	10/04/88	13.5	---	11,000	---	40	390	84	370	---	---	---	---
B-4 (HLA)	11/17/88	13.5	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
B-5 (HLA)	1989-1992e	5.5	---	ND	---	ND	ND	ND	ND	---	---	---	---
B-5 (HLA)	1989-1992e	9.5	---	ND	---	ND	ND	ND	ND	---	---	---	---
B-5 (HLA)	1989-1992e	12.5	---	ND	---	ND	ND	ND	ND	---	---	---	---
B-6 (HLA)	1989-1992e	6.0	---	ND	---	ND	ND	ND	ND	---	---	---	---
B-6 (HLA)	1989-1992e	9.5	---	ND	---	ND	ND	ND	ND	---	---	---	---
B-6 (HLA)	1989-1992e	12.0	---	3,000	---	40	40	110	450	---	---	---	---
B-7 (HLA)	1989-1992e	6.0	---	24	---	0.64	0.4	0.9	3.4	---	---	---	---
B-7 (HLA)	1989-1992e	9.5	---	ND	---	0.5	ND	0.7	1	---	---	---	---
B-7 (HLA)	1989-1992e	12.0	---	1,400	---	20	20	72	190	---	---	---	---
B-1 (Alton)	03/19/91	5.5	---	240	---	1.2	0.87	11	7.7	---	---	---	---
B-1 (Alton)	03/19/91	10.5	---	10,000	---	81	660	310	1,600	---	---	---	---
B-1 (Alton)	03/19/91	15.5	---	4,400	---	8.4	77	56	310	---	---	---	---
B-2 (Alton)	03/19/91	5.5	---	880	---	1	7.2	11	47	---	---	---	---
B-2 (Alton)	03/19/91	10.5	---	2,400	---	3.5	38	26	150	---	---	---	---
B-2 (Alton)	03/19/91	14.5	---	9,900	---	33	170	150	980	---	---	---	---
B-3 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	<0.003	---	---	---	---
B-3 (Alton)	03/19/91	10.5	---	11	---	0.022	0.14	0.18	3.2	---	---	---	---
B-4 (Alton)	03/19/91	5.5	---	<1.0	---	0.036	<0.003	<0.003	<0.003	---	---	---	---
B-4 (Alton)	03/19/91	10.5	---	7	---	0.37	0.15	0.18	0.93	---	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 2 of 6)

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
B-5 (Alton)	03/19/91	5.5	---	310	---	0.82	3.6	4.2	22	---	---	---	---
B-5 (Alton)	03/19/91	10.5	---	40	---	0.69	1.4	0.58	3.2	---	---	---	---
B-6 (Alton)	03/19/91	5.5	---	<1.0	---	0.054	0.003	0.005	0.011	---	---	---	---
B-6 (Alton)	03/19/91	10.5	---	2	---	0.15	0.067	0.019	0.09	---	---	---	---
B-7 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	<0.003	---	---	---	---
B-7 (Alton)	03/19/91	10.5	---	<1.0	---	<0.003	<0.003	<0.003	<0.003	---	---	---	---
B-8 (Alton)	03/19/91	5.5	---	<1.0	---	<0.003	<0.003	<0.003	<0.003	---	---	---	---
B-8 (Alton)	03/19/91	10.5	---	<1.0	---	0.048	0.013	<0.003	0.025	---	---	---	---
B-9 (Alton)	03/19/91	5.5	---	---	---	---	---	---	---	---	---	---	<50
B-9 (Alton)	03/19/91	10.5	---	---	---	---	---	---	---	---	---	---	<50
B-9 (Alton)	03/19/91	14.5	---	---	---	---	---	---	---	---	---	---	<50
B-10 (Alton)	03/19/91	5.5	---	<1.0	---	0.085	<0.003	0.006	<0.003	---	---	---	---
B-10 (Alton)	03/19/91	10.5	---	2	---	0.27	0.075	0.026	0.1	---	---	---	---
S-9-GP1	03/29/00	9.0	---	<1	<0.001a	<0.001	<0.001	<0.001	<0.001	---	---	---	---
S-11-GP1	03/29/00	11.0	---	<1	<0.001a	<0.001	<0.001	<0.001	<0.001	---	---	---	---
S-9-GP2	03/29/00	9.0	---	<1	<0.001a	<0.001	<0.001	<0.001	<0.001	---	---	---	---
S-11-GP2	03/29/00	11.0	---	<1	<0.001a	<0.001	<0.001	<0.001	<0.001	---	---	---	---
MW-6E	10/05/88	13.0	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
MW-6F	10/05/88	13.0	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
MW-6G	11/16/88	13.5	---	5.2	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
MW-6H	11/16/88	13.5	---	1,000	---	<0.5	3.2	3.2	19	---	---	---	---
MW-6I	11/17/88	13.5	---	<10	---	<0.05	<0.1	<0.2	<0.1	---	---	---	---
S-5-MW6J	04/06/01	5.0	<2	<1	<0.01	<0.001	<0.001	<0.001	<0.001	---	---	<10	---
S-10-MW6J	04/06/01	10.0	<2	<5	<0.01	<0.005	<0.005	<0.005	<0.005	---	---	<10	---
S-15-MW6J	04/06/01	15.0	<2	<1	<0.01	<0.001	<0.001	<0.001	<0.001	---	---	<10	---
S-20-MW6J	04/06/01	20.0	<2	<1	<0.01	<0.001	<0.001	0.013	0.037	---	---	<10	---
S-5-B5	03/01/07	5.0	1.6c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 3 of 6)

Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
S-5-B7	03/05/07	5.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-10-B7	03/05/07	10.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-15-B7	03/05/07	15.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-16.5-B7	03/05/07	16.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-19-B7	03/05/07	19.0	1.0c	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-21-B7	03/05/07	21.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-5-B8	03/01/07	5.0	1.2c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-10-B8	03/01/07	10.0	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-5-B9	03/02/07	5.0	1.3c,d	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-10-B9	03/02/07	10.0	1.8c,d	1.3	0.016	0.13	0.11	0.042	0.17	---	---	<10	---
S-11-B9	03/02/07	11.0	1.8c,d	12	<0.0050	0.18	0.36	0.22	0.92	---	---	<10	---
S-15-B9	03/06/07	15.0	<1.0	1.9	0.0067	0.48	0.032	0.042	0.12	---	---	<10	---
S-19.5-B9	03/06/07	19.5	<1.0	<0.10	0.005	0.0068	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-23.5-B9	03/06/07	23.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-29.5-B9	03/06/07	29.5	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	---	---	<10	---
S-10-DP1	10/28/08	10.0	6.0	<0.50	0.030	0.17	<0.0050	0.032	0.066	---	---	<25	---
S-15-DP1	10/28/08	15.0	<5.0	5.8	<0.0050	0.094	0.057	0.057	0.13	---	---	<25	---
S-20-DP1	10/28/08	20.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	0.021	---	---	<25	---
S-25-DP1	10/28/08	25.0	36	<0.50	0.0052	<0.0050	<0.0050	<0.0050	<0.010	---	---	27	---
S-30-DP1	10/28/08	30.0	7.9	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-10-DP2	10/28/08	10.0	34	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	26	---
S-15-DP2	10/28/08	15.0	13	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-20-DP2	10/28/08	20.0	17	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-25-DP2	10/28/08	25.0	15	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-30-DP2	10/28/08	30.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-5-CPT1	10/22/08	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-5-CPT2	10/22/08	5.0	<5.0	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	<25	---
S-5-CPT3	10/22/08	5.0	11	<0.50	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	---	---	41	---

**TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS**

Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
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Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Fuel Dispenser Samples													
AB-1	1988-1992e	8.0	---	65	---	1.9	3.4	1	4.2	---	---	---	---
AB-2	1988-1992e	Surface	---	7,200	---	<0.0025	43	14	140	---	---	---	---
AB-2	1988-1992e	2.0	---	78	---	0.83	2.1	0.76	4	---	---	---	---
AB-3	1988-1992e	2.0	---	540	---	<0.0025	<0.005	<0.0025	18	---	---	---	---
AB-4	1988-1992e	6.0	---	<1	---	<0.0025	<0.005	<0.0025	<0.0025	---	---	---	---
AB-5	1988-1992e	6.0	---	5	---	<0.0025	<0.005	0.021	0.016	---	---	---	---
AB-6	1988-1992e	5.0	---	<1	---	<0.0025	<0.005	<0.0025	<0.0025	---	---	---	---
Tank Pit Samples													
<u>Tank Pit Bottom</u>													
TG1	11/27/91	13.0	---	130	---	0.37	2	3	82	---	---	---	---
TG2	11/27/91	13.0	---	10,000	---	130	950	280	1,100	---	---	---	---
TG3	11/27/91	13.0	---	6,300	---	76	540	200	900	---	---	---	---
TG4	11/27/91	13.0	---	130	---	0.77	7.3	3.3	18	---	---	---	---
TG5	11/27/91	13.0	---	10	---	0.65	0.0084	0.14	0.16	---	---	---	---
TG6	11/27/91	13.0	---	12	---	<0.050	0.2	0.23	1	---	---	---	---
<u>Tank Pit Sidewall</u>													
TG7	12/03/91	12.0	---	430	---	1.7	15	7.2	34	<10	---	---	---
TG8	12/03/91	12.0	---	240	---	1.7	7.9	4.4	19	<10	---	---	---
TG9	12/03/91	12.0	---	<1.0	---	0.052	0.033	0.021	0.067	13	---	---	---
TG10	12/03/91	12.0	---	1.7	---	0.051	<0.005	0.044	<0.005	13	---	---	---
TG11	12/03/91	12.0	---	420	---	1.5	10	6.2	29	13	---	---	---
TG12	12/03/91	12.0	---	660	---	4.3	24	11	49	<10	---	---	---
Used-Oil Tank Pit Sample													
WO1	11/27/91	7.0	22	1.1	---	0.0057/200a	<0.005/1,200a	0.015/380a	<0.005/2,100a	<10	NDb	---	580
Product Line Trench Samples													
PL1	12/06/91	2.0	---	<4.0	---	<0.020	0.077	0.035	0.140	---	---	---	---
PL2	12/06/91	2.0	---	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---
PL3	12/06/91	2.0	---	150	---	0.690	0.450	2.3	7.3	---	---	---	---
PL4	12/06/91	2.0	---	330	---	2.7	17	5.7	29	---	---	---	---
PL5	12/06/91	2.0	---	<1.0	---	0.0053	<0.005	0.0088	0.0086	---	---	---	---
PL6	12/06/91	2.0	---	4.9	---	<0.020	0.048	0.052	0.033	---	---	---	---
PL7	12/06/91	2.0	---	38	---	<0.020	0.095	0.180	0.250	---	---	---	---
PL8	12/06/91	2.0	---	5.8	---	0.330	0.590	0.080	0.720	---	---	---	---
PL9	12/06/91	2.0	---	1.9	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---
PL10	12/06/91	2.0	---	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
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Sample ID	Sample Date	Depth (feet bgs)	TPHd (mg/kg)	TPHg (mg/kg)	MTBE (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Lead (mg/kg)	HVOCs (mg/kg)	TPHmo (mg/kg)	TOG (mg/kg)
Soil Stockpile Samples													
SS1-4	Nov-Dec 1991	---	---	120	---	<0.020	0.370	0.910	1.7	<1.0	---	---	---
SS5-8	Nov-Dec 1991	---	---	180	---	<0.050	1.9	1.7	7.8	---	---	---	---
SS9-12	Nov-Dec 1991	---	---	270	---	0.170	8.9	5.4	26	---	---	---	---
SS13-16	Nov-Dec 1991	---	---	30	---	0.022	0.480	0.300	1.5	---	---	---	---
SS17-20	Nov-Dec 1991	---	---	130	---	<0.020	1.8	1.9	7.8	---	---	---	---
SS21-24	Nov-Dec 1991	---	---	<1.0	---	<0.005	<0.005	<0.005	0.011	---	---	---	---
SS25-28	Nov-Dec 1991	---	35	1.2	---	<0.005	<0.005	0.025	0.0083	---	NDb	---	---
EA1-4	Nov-Dec 1991	---	---	46	---	<0.250	0.110	0.130	1.5	---	---	---	---
EA5-8	Nov-Dec 1991	---	---	94	---	<0.500	0.610	0.400	5.8	---	---	---	---
EA9-12	Nov-Dec 1991	---	---	390	---	<1.0	2.3	3.2	24	---	---	---	---
EA13-16	Nov-Dec 1991	---	---	80	---	0.150	0.830	0.700	4.3	---	---	---	---
EA17-20	Nov-Dec 1991	---	---	1,200	---	<1.0	16	18	100	---	---	---	---
EA21-24	Nov-Dec 1991	---	---	980	---	1.1	20	16	90	---	---	---	---
EA25-28	Nov-Dec 1991	---	---	1,900	---	12	88	37	190	19	---	---	---
EA29-32	Nov-Dec 1991	---	---	4,200	---	17	190	94	480	---	---	---	---
SP-1-1	03/29/00	---	---	<1	<0.001a	<0.001	<0.001	<0.001	<0.001	4.35	ND	---	---
SP-1-1(1-4)	04/06/01	---	<2	<1	<0.01	---	---	---	---	4.68	ND	<10	---
SP-1 (1-4)	03/07/07	---	<1.0	<0.10	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	14	---	<10	---
Comp(SP-1)	10/28/08	---	8.8	6.7	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	10.6	ND	<25	---

TABLE 3A
CUMULATIVE SOIL ANALYTICAL RESULTS

Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 6 of 6)

Notes:	Alton wells B-5 through B-9 were advanced into monitoring wells MW6E through MW6I.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015M/8015B.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M/8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020 or 8021B.
Total Lead	= Total lead analyzed using EPA Method 6010B.
HVOCs	= Halogenated volatiles organic compounds using EPA Method 8260B.
TPHmo	= Total petroleum hydrocarbons as motor oil analyzed using Modified EPA Method 8015M/8015B.
TOG	= Total oil and grease analyzed using EPA Method 5520.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
EDB	= 1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-dichloroethane analyzed using EPA Method 8260B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Cadmium	= Cadmium analyzed using EPA Method 6010.
Chromium	= Chromium analyzed using EPA Method 6010.
Nickel	= Nickel analyzed using EPA Method 6010.
Zinc	= Zinc analyzed using EPA Method 6010.
ND	= Analytes not detected at or above the laboratory method reporting limit.
feet bgs	= Feet below ground surface.
mg/kg	= Milligrams per kilogram.
---	= Not Analyzed/Not Applicable/Not sampled.
a	= Analyzed using EPA Method 8021B.
b	= Analyzed using EPA Method 8240.
c	= Hydrocarbon pattern does not resemble the requested fuel.
d	= Analyte detected in associated method blank.
e	= Exact sampling date unclear from previous consultant reports.

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs

Former Exxon Service Station 70235
 2225 Telegraph Avenue
 Oakland, California
 (Page 1 of 3)

Sample ID	Sample Date	Depth (feet bgs)	TAME (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)
Soil Boring Samples									
Prior to March 2007, soil boring samples were not analyzed for these analytes.									
S-5-B5	03/01/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-B7	03/05/07	5.0	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-10-B7	03/05/07	10.0	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-15-B7	03/05/07	15.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-16.5-B7	03/05/07	16.5	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-19-B7	03/05/07	19.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-21-B7	03/05/07	21.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
S-5-B8	03/01/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-B8	03/01/07	10.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-5-B9	03/02/07	5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-B9	03/02/07	10.0	<0.0050	0.045	<0.0050	<0.0050	<0.0050	<0.0050	---
S-11-B9	03/02/07	11.0	<0.025	0.067	<0.025	<0.025	<0.025	<0.025	---
S-15-B9	03/06/07	15.0	<0.0050	0.034	<0.0050	<0.0050	<0.0050	<0.0050	---
S-19.5-B9	03/06/07	19.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-23.5-B9	03/06/07	23.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-29.5-B9	03/06/07	29.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	---
S-10-DP1	10/28/08	10.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-15-DP1	10/28/08	15.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-20-DP1	10/28/08	20.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-25-DP1	10/28/08	25.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-30-DP1	10/28/08	30.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-10-DP2	10/28/08	10.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-15-DP2	10/28/08	15.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-20-DP2	10/28/08	20.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-25-DP2	10/28/08	25.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-30-DP2	10/28/08	30.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-5-CPT1	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-5-CPT2	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25
S-5-CPT3	10/22/08	5.0	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 2 of 3)

Sample ID	Sample Date	Depth (feet bgs)	TAME (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	EDB (mg/kg)	1,2-DCA (mg/kg)	ETBE (mg/kg)	Ethanol (mg/kg)
-----------	-------------	------------------	--------------	-------------	--------------	-------------	-----------------	--------------	-----------------

Fuel Dispenser Samples

Not analyzed for these analytes.

Tank Pit Samples

Not analyzed for these analytes.

Used-Oil Tank Pit Sample

Not analyzed for these analytes.

Product Line Trench Samples

Not analyzed for these analytes.

Soil Stockpile Samples

Prior to March 2007, soil stockpile samples were not analyzed for these analytes.

SP-1 (1-4)	03/07/07	---	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.10
Comp(SP-1)	10/28/08	---	<0.010	<0.050	<0.010	<0.0050	<0.0050	<0.010	<0.25

TABLE 3B
ADDITIONAL CUMULATIVE SOIL ANALYTICAL RESULTS-VOCs

Former Exxon Service Station 70235
 2225 Telegraph Avenue
 Oakland, California
 (Page 3 of 3)

Notes:	Alton wells B-5 through B-9 were advanced into monitoring wells MW6E through MW6I.
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TPHd	= Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015M/8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020 or 8021B.
Total Lead	= Total lead analyzed using EPA Method 6010B.
HVOCs	= Halogenated volatiles organic compounds using EPA Method 8260B.
TPHmo	= Total petroleum hydrocarbons as motor oil analyzed using Modified EPA Method 8015M/8015B.
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TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
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Nickel	= Nickel analyzed using EPA Method 6010.
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a	= Analyzed using EPA Method 8021B.
b	= Analyzed using EPA Method 8240.
c	= Hydrocarbon pattern does not resemble the requested fuel.
d	= Analyte detected in associated method blank.
e	= Exact sampling date unclear from previous consultant reports.

Appendix A

Correspondence



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

January 12, 2012

Ms. Jennifer Sedlachek
ExxonMobil
4096 Piedmont Ave., #194
Oakland, CA 94611
(Sent via E-mail to:
jennifer.c.sedlachek@exxonmobil.com)

Lam Truong
2225 Telegraph Avenue
Oakland, CA 94612

Subject: Fuel Leak Case No. RO0000358 and Geotracker Global ID T0600101354, Exxon 7-0235, 2225 Telegraph Ave., Oakland, CA 94612

Dear Ms. Sedlachek:

Thank you for the recently submitted documents entitled, *Site Assessment Report* dated December 12, 2008 and *Semi-Annual Groundwater Monitoring Report, Third Quarter 2011* dated October 10, 2011 which were prepared by Cardno ERI for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned reports for the above-referenced site. The site assessment report presents data collected from three cone penetrometer test borings at the site. The maximum concentrations were 20,000 micrograms per liter ($\mu\text{g/L}$) total petroleum hydrocarbons as gasoline (TPHg), 26,000 $\mu\text{g/L}$ TPH as gasoline (TPHd), and 4,200 $\mu\text{g/L}$ benzene in the first water encountered. Deeper water samples collected from between 38 and 41 feet below ground surface contained maximum concentrations of 670 $\mu\text{g/L}$ TPHg, 470 ppb TPHd, 65 $\mu\text{g/L}$ benzene, and 1.9 $\mu\text{g/L}$ methyl tertiary butyl ether (MTBE). The most recent groundwater monitoring report indicates that TPHg concentrations have increased since 2006 in the northeast portion of the site and that elevated petroleum hydrocarbon concentrations remain in this vicinity.

ACEH requests that you address the following technical comments and send us the technical report described below.

TECHNICAL COMMENTS

1. **Remaining contamination in the Northeastern Portion of the Site.** – Maximum concentrations of 38,000 $\mu\text{g/L}$ TPHg and 15,000 $\mu\text{g/L}$ benzene were detected in groundwater in boring B-9 in 2007 and 26,000 $\mu\text{g/L}$ TPHd were detected in CPT-1 in 2008. In addition, it appears that TPHg concentrations have increased in well MW-6B since 2006 and remain elevated in the northeast corner of the site. At this time, it appears necessary to prepare a Draft Feasibility Study/Corrective Action Plan (FS/CAP) prepared in accordance with Title 23, California Code of Regulations, Section 2725 appears warranted. The FS/CAP must include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS/CAP should

also include, but is not limited to, a detailed description of site lithology, including soil permeability, and most importantly, contamination cleanup levels and cleanup goals, in accordance with the San Francisco Regional Water Quality Control Board (SFRWQCB) Basin Plan and appropriate ESL guidance for all COCs and for the appropriate groundwater designation. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with the SFRWQCB Basin Plan. Please specify appropriate cleanup levels and cleanup goals in accordance with 23 CCR Section 2725, 2726, and 2727 in the FS/CAP.

The FS/CAP must evaluate at least three viable alternatives for remedying or mitigating the actual or potential adverse effects of the unauthorized release(s) besides the 'no action' and 'monitored natural attenuation' remedial alternatives. Each alternative shall be evaluated not only for cost-effectiveness but also its timeframe to reach cleanup levels and cleanup goals, and ultimately the Responsible Party must propose the most cost-effective corrective action.

2. **Tank and System Documentation and Testing** – As detailed above, petroleum hydrocarbon concentrations have been increasing in the area generally downgradient of the dispensers since 2006. This indicates a potential for a new release. Please submit the Form B for the system so we can evaluate the current tank system, submit the previous secondary containment reports for the dispensers, conduct tank and system tightness testing on the current UST system and submit the dispenser upgrade report.

TECHNICAL REPORT REQUEST

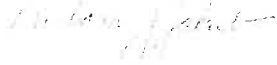
Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **March 20, 2012** – Form B, secondary containment reports, System Tightness Testing Results and upload Dispenser Upgrade Report
- **April 16, 2012** – Draft Feasibility Study/ Corrective Action Plan

Ms. Sedlachek
RO000358
January 12, 2012, Page 3

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at barbara.jakub@acgov.org.

Sincerely,



Digitally signed by Barbara J. Jakub
DN: cn=Barbara J. Jakub, o, ou,
email=barbara.jakub@acgov.org,
c=US
Date: 2012.01.12 15:23:03 -08'00'

Barbara J. Jakub, P.G.
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Paula Sime, Environmental Resolutions, Inc., 601 North McDowell Blvd. Petaluma, CA 94954 (*Sent via E-mail to: psime@ERI-US.com*)
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to: lgriffin@oaklandnet.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Barbara Jakub, ACEH (*Sent via E-mail to: barbara.jakub@acgov.org*)
GeoTracker, file

Attachment 1

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

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

REQUIREMENTS

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

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

Submission Instructions

- 1) Obtain User Name and Password
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to deh.loptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Appendix B

Historical Cross Sections



FN 2229 R24 GSP_SP



CROSS SECTION LOCATION MAP

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI

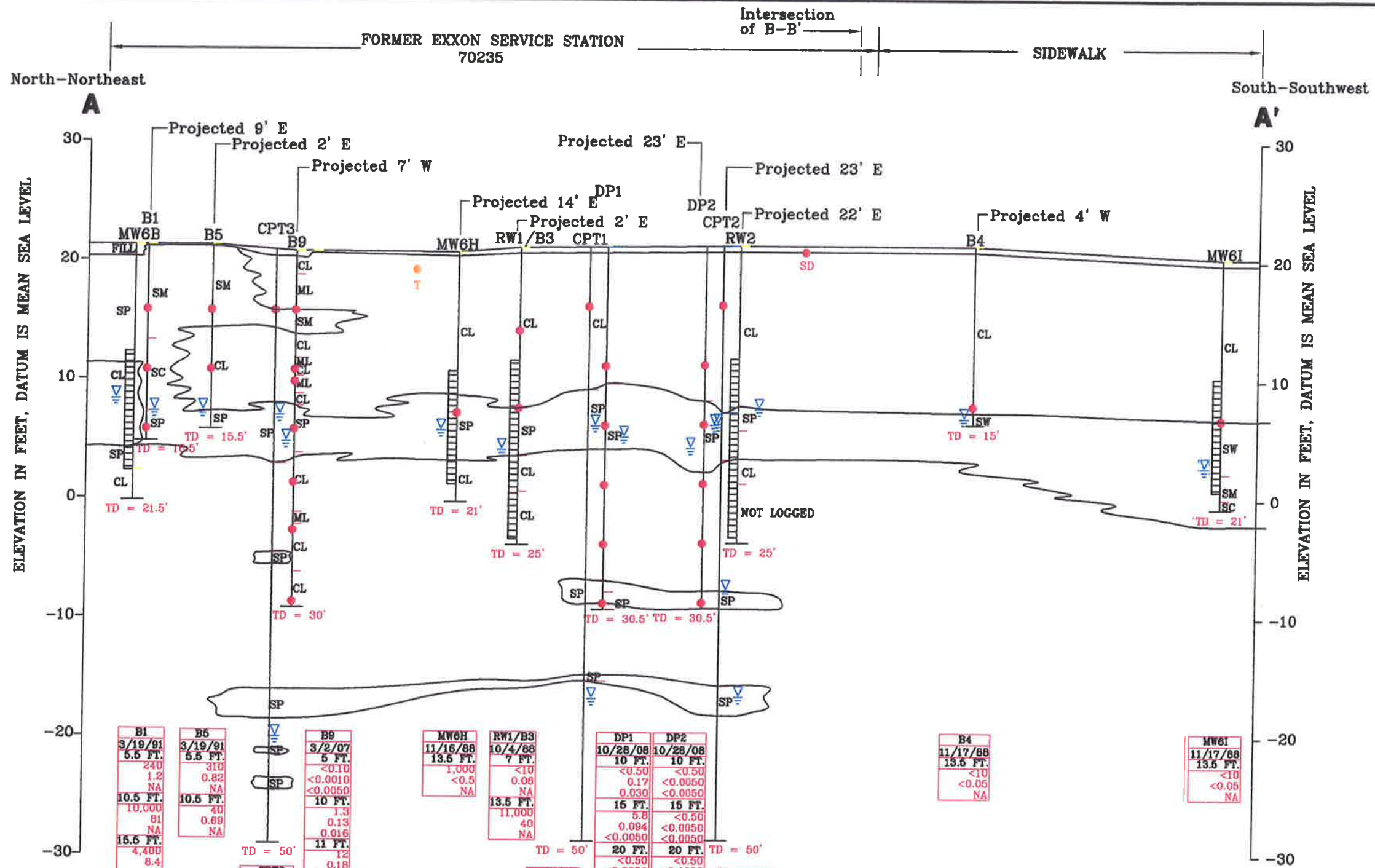
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B6 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA

- AB6 Hand Auger-HLA
- HP3 Hydropunch Boring
- DP2 Direct Push Boring

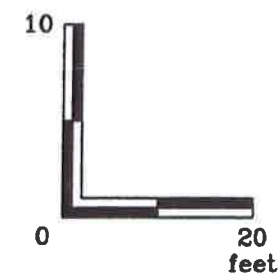
C C'
Cross Section Locations

PROJECT NO.
2229

PLATE
6



APPROXIMATE SCALE



Vertical Exaggeration x2
FN 2229 08 R24 XS A-A'_SP

B1 3/19/91 5.5 FT.	B5 3/19/91 5.5 FT.	B9 3/2/07 5 FT.	MW6H 11/16/88 13.5 FT.	RW1/B3 10/4/88 7 FT.	DP1 10/28/08 10 FT.	DP2 10/28/08 10 FT.	B4 11/17/88 13.5 FT.	MW6I 11/17/88 13.5 FT.
240	310	<0.10	1,000	<10	<0.50	<0.50	<10	<10
1.2	0.82	<0.0010	<0.5	0.08	0.17	<0.0050	<0.05	<0.05
NA	NA	<0.0050	NA	NA	0.030	<0.0050	NA	NA
10.5 FT.	10.5 FT.	10 FT.	13.5 FT.	13.5 FT.	15 FT.	15 FT.	NA	NA
10,000	40	1.3	11,000	40	5.8	<0.50		
81	0.89	0.13	40	0.094	0.094	<0.0050		
NA	NA	0.016	NA	NA	<0.0050	<0.0050		
15.5 FT.		11 FT.			20 FT.	20 FT.		
4,400		12			<0.50	<0.50		
8.4		0.18			<0.0050	<0.0050		
NA		<0.0050			<0.0050	<0.0050		
		15 FT.			25 FT.	25 FT.		
		1.9			<0.50	<0.50		
		<0.0050			<0.0050	<0.0050		
		0.48			0.0052	<0.0050		
		0.0067			<0.0050	<0.0050		
		19.5 FT.			30 FT.	30 FT.		
		<0.10			<0.50	<0.50		
		0.0068			<0.0050	<0.0050		
		0.0050			<0.0050	<0.0050		
		23.5 FT.			<0.0050	<0.0050		
		<0.10						
		<0.0010						
		<0.0050						
		29.5 FT.						
		<0.10						
		<0.0010						
		<0.0050						

CPT3 10/22/08 5 FT.	CPT1 10/22/08 5 FT.	CPT2 10/22/08 5 FT.
<0.50	<0.50	<0.50
<0.0050	<0.0050	<0.0050
<0.0050	<0.0050	<0.0050

Analyte Concentrations in soil in mg/kg

10/4/88	Sample Date
13.5 FT.	Sample Depth
11,000	Total Petroleum Hydrocarbons as gasoline
40	Benzene
NA	Methyl Tertiary Butyl Ether
<	Less Than the Stated Laboratory Reporting Limit
mg/kg	Milligrams per kilogram
NA	Not Analyzed

UTILITY LEGEND

- SD Storm Drain
- Telephone

- TD = Total Depth
- First Encountered Groundwater
- = Soil Sample Depth

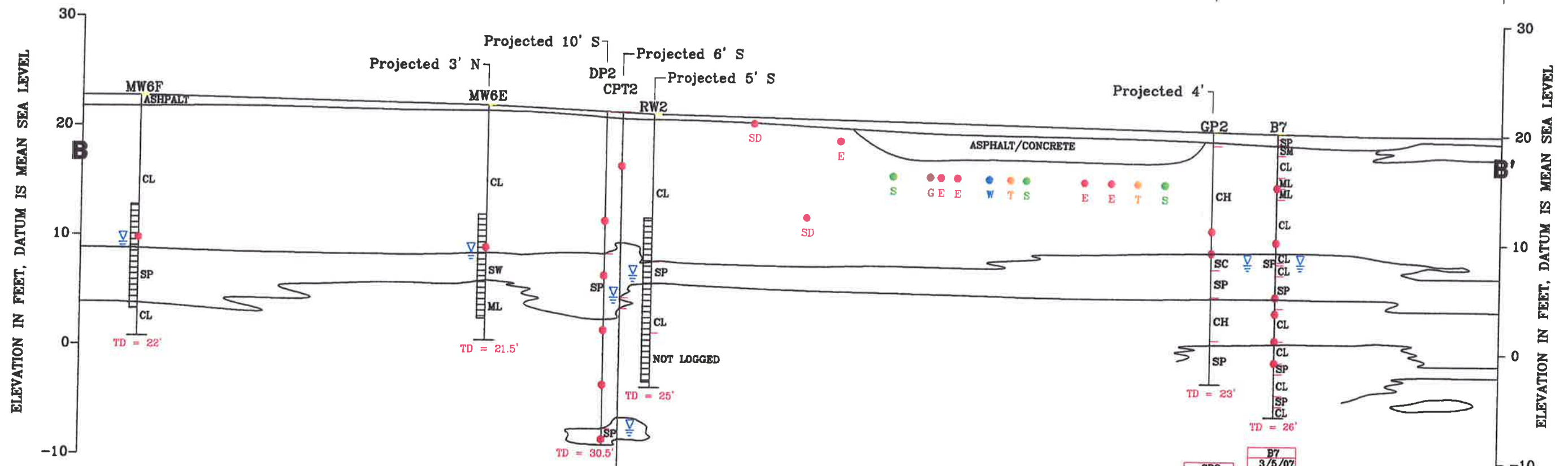
CROSS SECTION A-A'
FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

- EXPLANATION**
- Coarse-grained sediments including SP, SW, SM, SC, and GC.
 - Fine-grained sediments including CL, CH, and ML

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West-Northwest FORMER EXXON SERVICE STATION 70235 Intersection of A-A' TELEGRAPH AVE. SIDEWALK East-Southeast



MW6F
10/5/88
13 FT.
<10
<0.05
NA

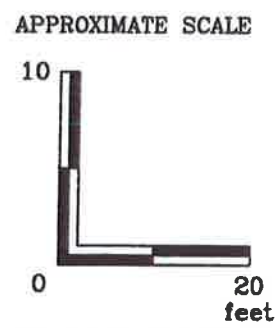
MW6E
10/5/88
13 FT.
<10
<0.05
NA

DP2
10/28/08
10 FT.
<0.50
<0.0050
<0.0050
15 FT.
<0.50
<0.0050
<0.0050
20 FT.
<0.50
<0.0050
<0.0050
25 FT.
<0.50
<0.0050
<0.0050
30 FT.
<0.50
<0.0050
<0.0050

CPT2
10/22/08
5 FT.
<0.50
<0.0050
<0.0050

GP2
3/29/00
9 FT.
<0.10
<0.0010
<0.0010
<0.0010 ^a
11 FT.
<0.10
<0.0010
<0.0010
<0.0050
15 FT.
<0.10
<0.0010
<0.0010
<0.0050
21 FT.
<0.10
<0.0010
<0.0050

B7
3/5/07
5 FT.
<0.10
<0.0010
<0.0050
10 FT.
<0.10
<0.0010
<0.0010
<0.0050
15 FT.
<0.10
<0.0010
<0.0010
<0.0050
18.5 FT.
<0.10
<0.0010
<0.0010
<0.0050
19 FT.
<0.10
<0.0010
<0.0050
21 FT.
<0.10
<0.0010
<0.0050



UTILITY LEGEND

- E ● Electrical
- G ● Gas
- SD ● Storm Drain
- S ● Sewer
- T ● Telephone
- W ● Water

Analyte Concentrations in soil in mg/kg

- 10/5/88 Sample Date
- 13 FT. Sample Depth
- <10 Total Petroleum Hydrocarbons as gasoline
- <0.50 Benzene
- NA Methyl Tertiary Butyl Ether
- < Less Than the Stated Laboratory Reporting Limit
- mg/kg Milligrams per kilogram
- NA Not Analyzed
- ^a Analyzed using EPA Method 8021B

FN 2229 08 R24 XS B-B'_SP



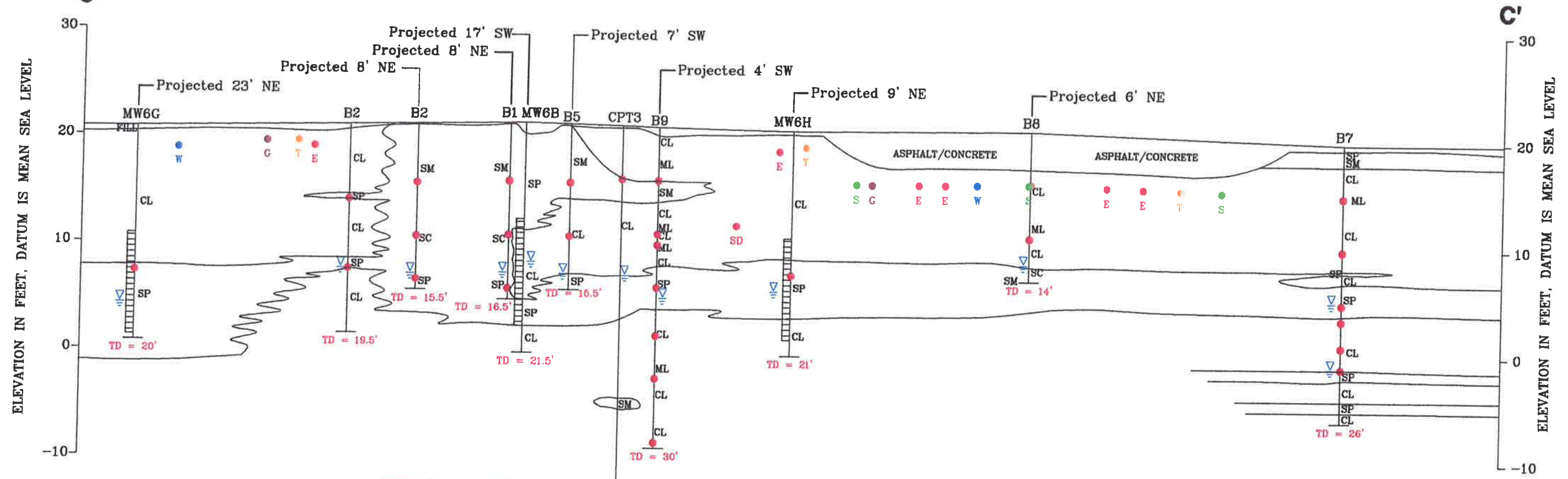
CROSS SECTION B-B'
 FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION
 Coarse-grained sediments including SP, SW, SM, SC, and GC
 Fine-grained sediments including CL, CH, and ML

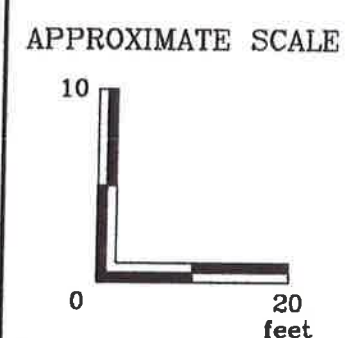
TD = Total Depth
 First Encountered Groundwater
 ● = Sample Depth

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Northwest FORMER EXXON SERVICE STATION 70235 TELEGRAPH AVE. SIDEWALK Southeast



Well ID	Date	Depth (FT)	Parameter	Value
MW6G	11/16/88	7 FT.	SP	5.2
		13.5 FT.	CL	<0.05
		13.5 FT.	CL	NA
		13.5 FT.	CL	NA
B2	3/19/91	5.5 FT.	SP	880
		10.5 FT.	CL	NA
		13.5 FT.	CL	2,400
		14.5 FT.	CL	8,800
B1	3/19/91	5.5 FT.	SP	240
		10.5 FT.	CL	1.2
		15.5 FT.	CL	81
		15.5 FT.	CL	4,400
B5	3/19/91	5.5 FT.	SP	310
		10.5 FT.	CL	0.82
		15.5 FT.	CL	40
		15.5 FT.	CL	0.69
B9	3/2/07	5 FT.	SP	<0.10
		10 FT.	CL	<0.0010
		11 FT.	CL	0.13
		15 FT.	CL	0.016
MW6H	11/16/88	13.5 FT.	CL	1.2
		13.5 FT.	CL	0.18
		13.5 FT.	CL	<0.0050
		13.5 FT.	CL	1,000
B6	3/1/07	5 FT.	SP	<0.10
		10 FT.	CL	<0.0010
		10 FT.	CL	<0.0050
		10 FT.	CL	<0.0050
B7	3/5/07	5 FT.	SP	<0.10
		10 FT.	CL	<0.0010
		10 FT.	CL	<0.0050
		10 FT.	CL	<0.0050
CPT3	10/22/08	5 FT.	SP	<0.10
		23.5 FT.	CL	<0.0010
		23.5 FT.	CL	<0.0050
		29.5 FT.	CL	<0.0010



Vertical Exaggeration x2
FN 2229 08 R24 XS C-C'_SP



UTILITY LEGEND

- E ● Electrical
- G ● Gas
- SD ● Storm Drain
- S ● Sewer
- T ● Telephone
- W ● Water

Analyte Concentrations in soil in mg/kg

3/19/91 Sample Date
10.5 FT. Sample Depth
10,000 Total Petroleum Hydrocarbons as gasoline
B1 Benzene
NA Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per kilogram
NA Not Analyzed

 VALUE, QUALITY, RESPONSE	<h3>CROSS SECTION C-C'</h3> <p>FORMER EXXON SERVICE STATION 70235 2225 Telegraph Avenue Oakland, California</p>	EXPLANATION Coarse-grained sediments including SP, SW, SM, SC, and GC Fine-grained sediments including CL, CH, and ML	TD = Total Depth  First Encountered Groundwater ● = Sample Depth	PROJECT NO. 2229 PLATE 9
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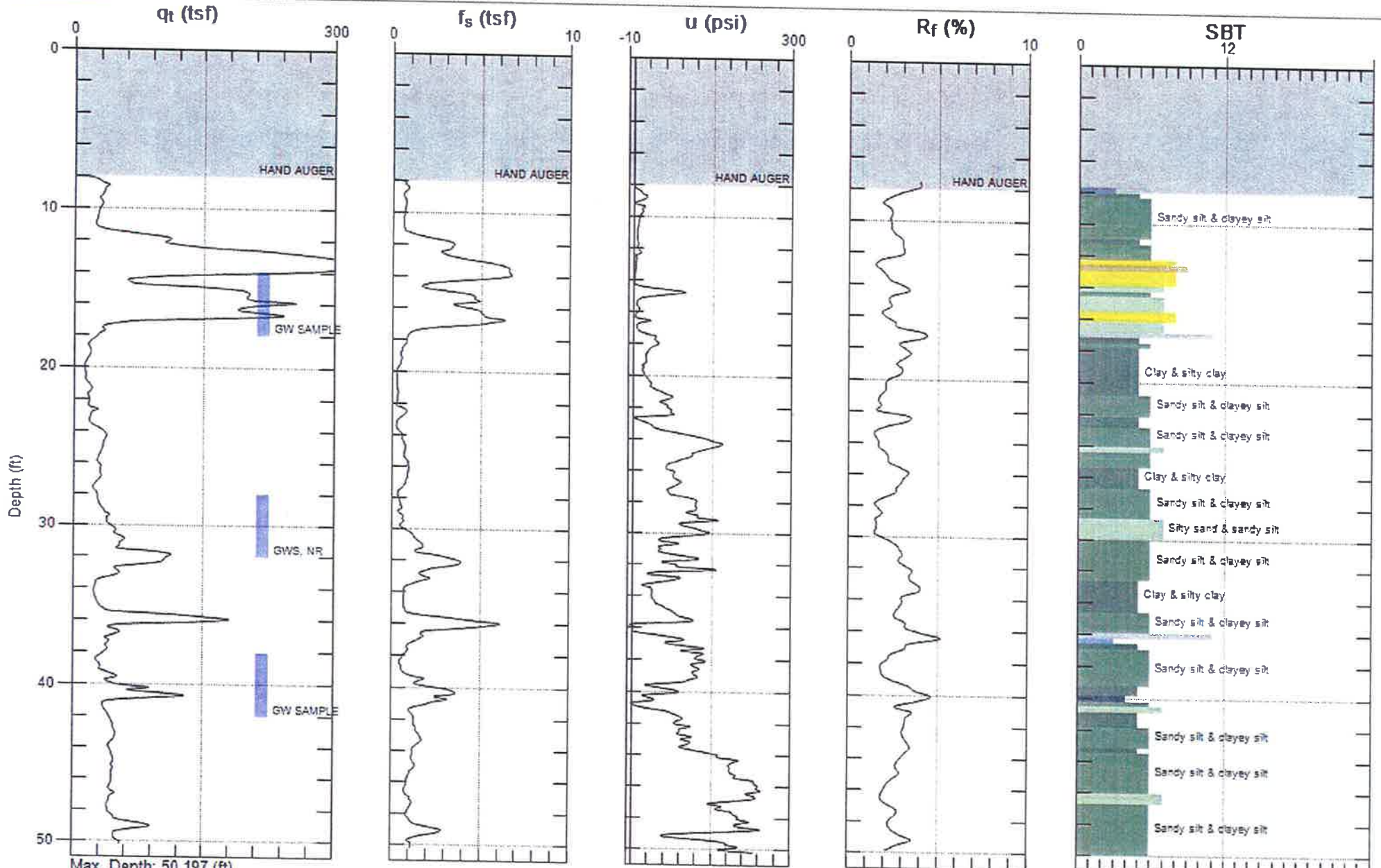
F:\EXXONMOBIL\ExxonMobil Projects\022229 Oakland\2229 AutoCad\SPECIALLY MAPS\08 R24 XS C-C'.dwr, mktones

Appendix C

**CPT Logs and Grab Groundwater Interval
Sampling Details**

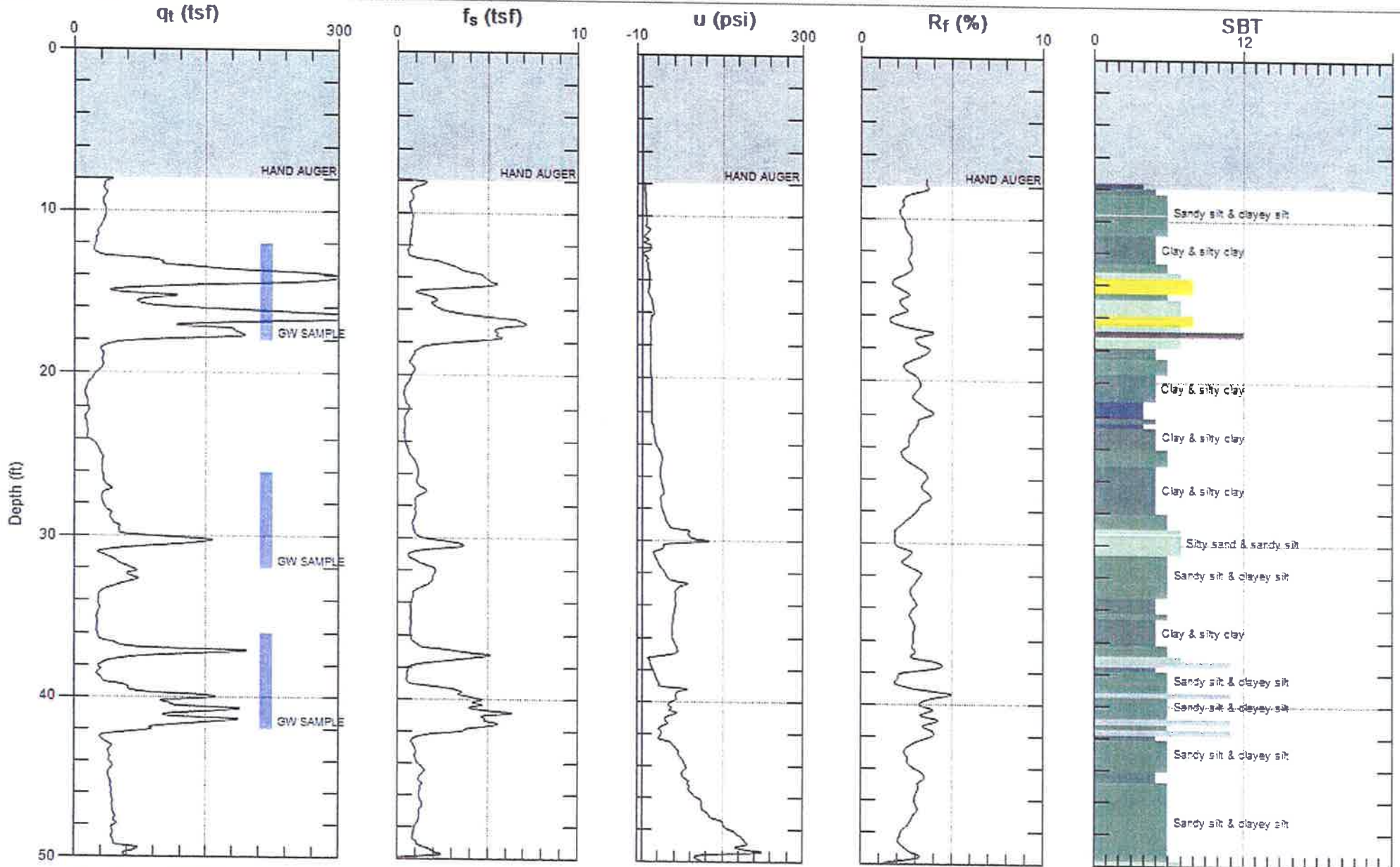
TABLE 6
GRAB GROUNDWATER INTERVAL SAMPLING DETAILS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California
(Page 1 of 1)

Sample Location	Sample Interval	Sample Date	Wait Time Minutes	Number of 1 Liter Ambers	Number of 40ml Voas
<u>CPT Samples</u>					
CPT1	14' - 18'	10/24/08	60	2	6
CPT1	28' - 32'	10/24/08	60	Insufficient Water Volume	Insufficient Water Volume
CPT1	38' - 42'	10/24/08	54	2	6
CPT2	12' - 18'	10/27/08	5	2	6
CPT2	26' - 32'	10/27/08	16	Insufficient Water Volume	6
CPT2	36' - 42'	10/27/08	50	2	6
CPT3	12' - 14'	10/23/08	60	Insufficient Water Volume	6
CPT3	22' - 26'	10/23/08	60	Insufficient Water Volume	Insufficient Water Volume
CPT3	35' - 39'	10/23/08	60	Insufficient Water Volume	Insufficient Water Volume
CPT3	35' - 42'	10/23/08	30	1	6



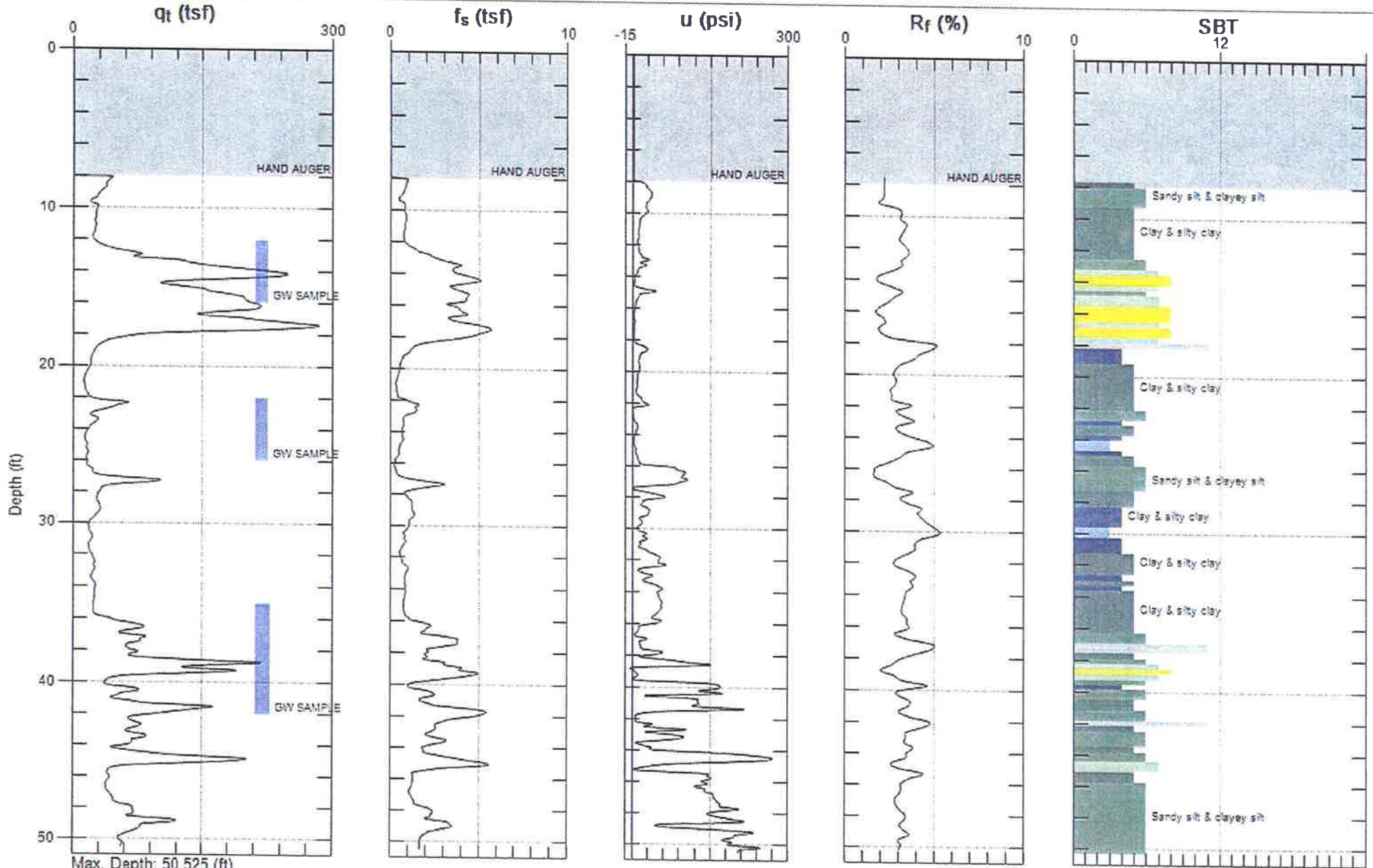
Max. Depth: 50.197 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 50.033 (ft)
 Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Max. Depth: 50.525 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)



Cone Penetration Testing Procedure (CPT)

Gregg Drilling & Testing, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm² and a friction sleeve area of 225 cm². The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing (q_c), sleeve friction (f_s) and penetration pore water pressure (u_2) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip (u_2), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.

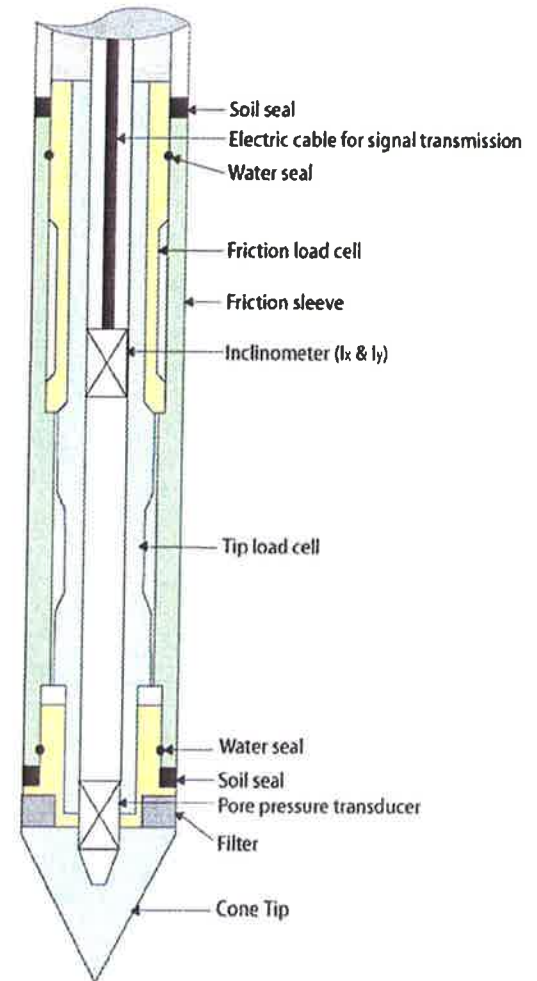


Figure CPT

When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.



Groundwater Sampling (GWS)

Gregg In Situ, Inc. conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot.

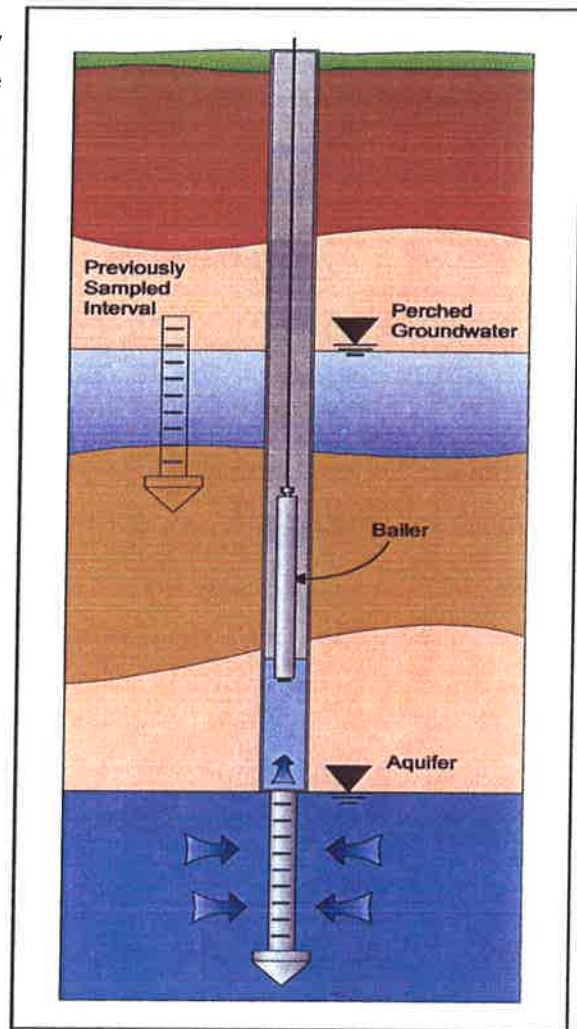
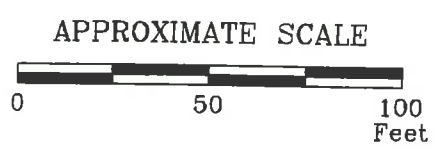


Figure GWS

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.

Appendix D

**Historical TPHg and Benzene
Concentrations in Soil**



FN 2229 R23 GSP_SAR_SP

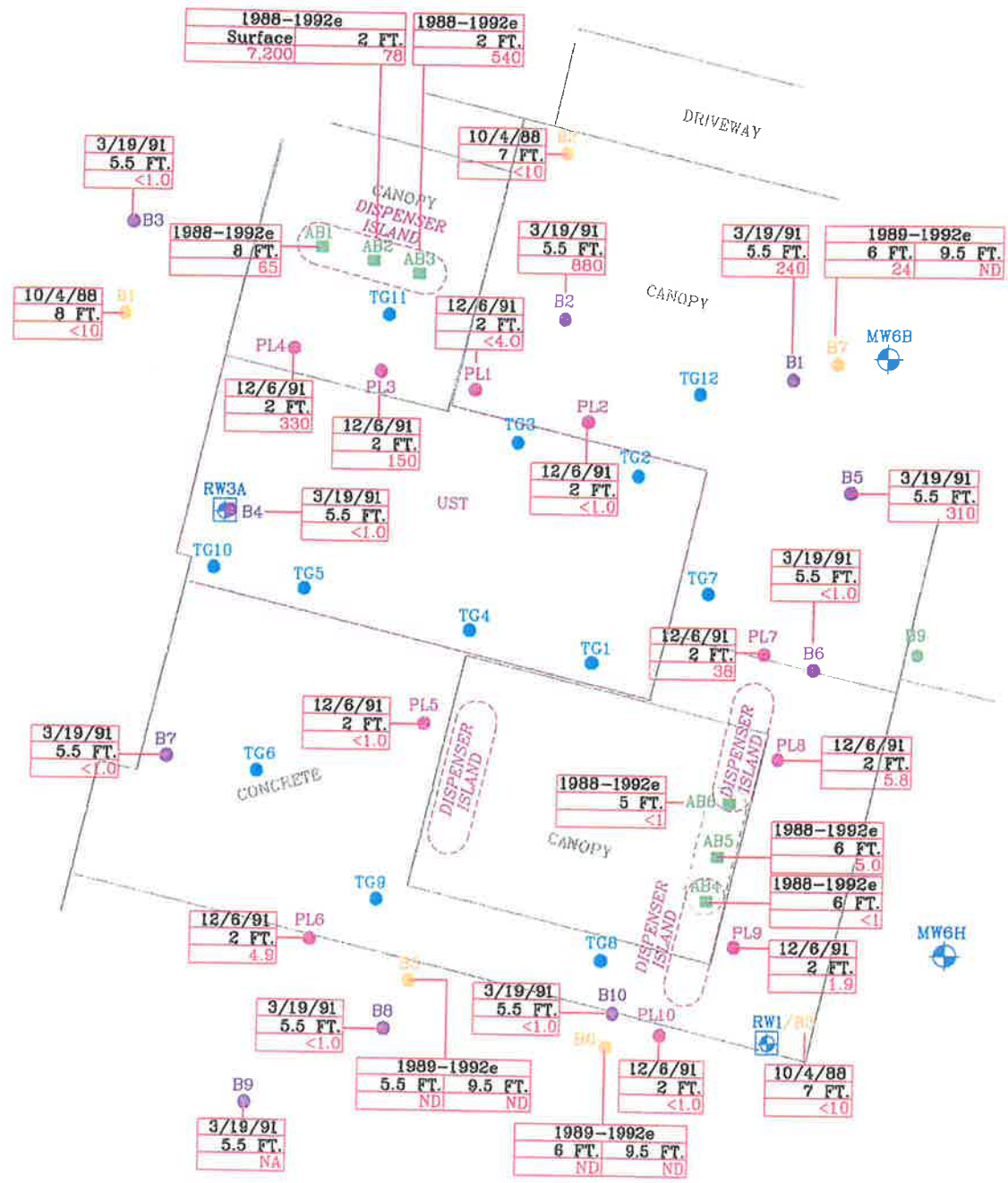


HISTORICAL TPHg IN SOIL - SHALLOW
(Less Than 3 Meters)
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

Analyte Concentrations in mg/kg
 1988-1992e Sample Date
 Surface Sample Depth
 7,200 TPHg

< Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram
 ND Not Detected
 NA Not Analyzed
 e Exact sampling date unclear from previous consultant reports.

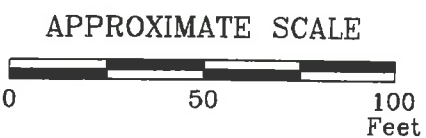
- EXPLANATION**
- MW6J Groundwater Monitoring Well
 - RW3A Recovery Well
 - SB9 Soil Boring-ERI
 - GP2 Geoprobe
 - PL10 Soil Boring-Product Line
 - BE Soil Boring-RLA
 - B10 Soil Boring-ALTON
 - TG12 Soil Boring-EA
 - AB6 Hand Auger-RLA



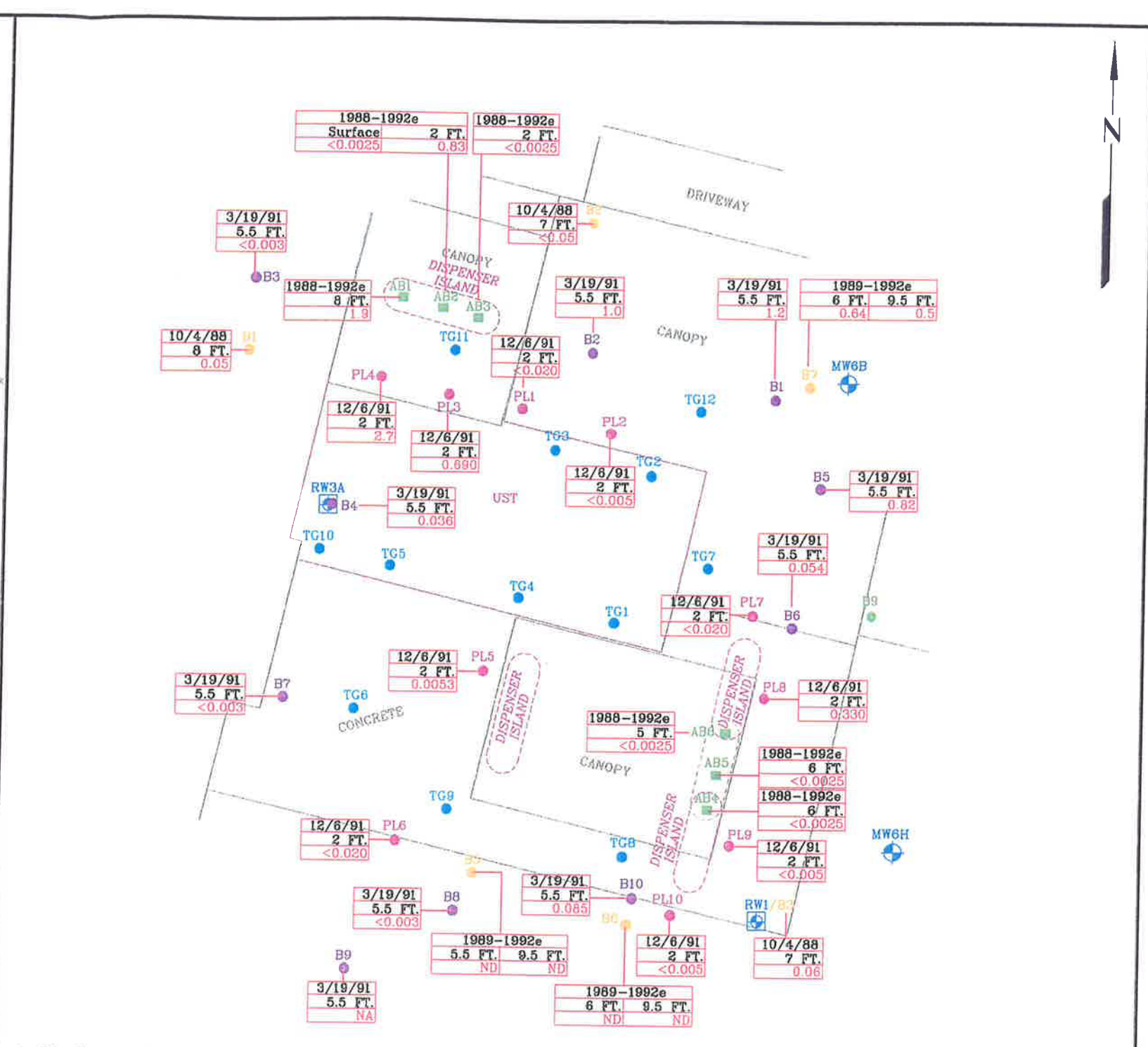
DETAIL
 Not to scale

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FN 2229 R23 GSP_SAR_SP



Analyte Concentrations in mg/kg
 12/6/91 Sample Date
 2 FT. Sample Depth
 2.7 Benzene
 < Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram
 NA Not Analyzed
 ND Not Detected
 e Exact sampling date unclear from previous consultant reports.

DETAIL
 Not to scale



HISTORICAL BENZENE IN SOIL - SHALLOW
(Less Than 3 Meters)
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

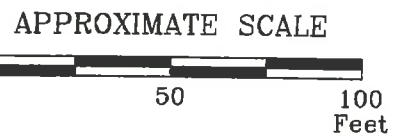
- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B1 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TC12 Soil Boring-EA
- AB6 Hand Auger-HLA

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DETAIL

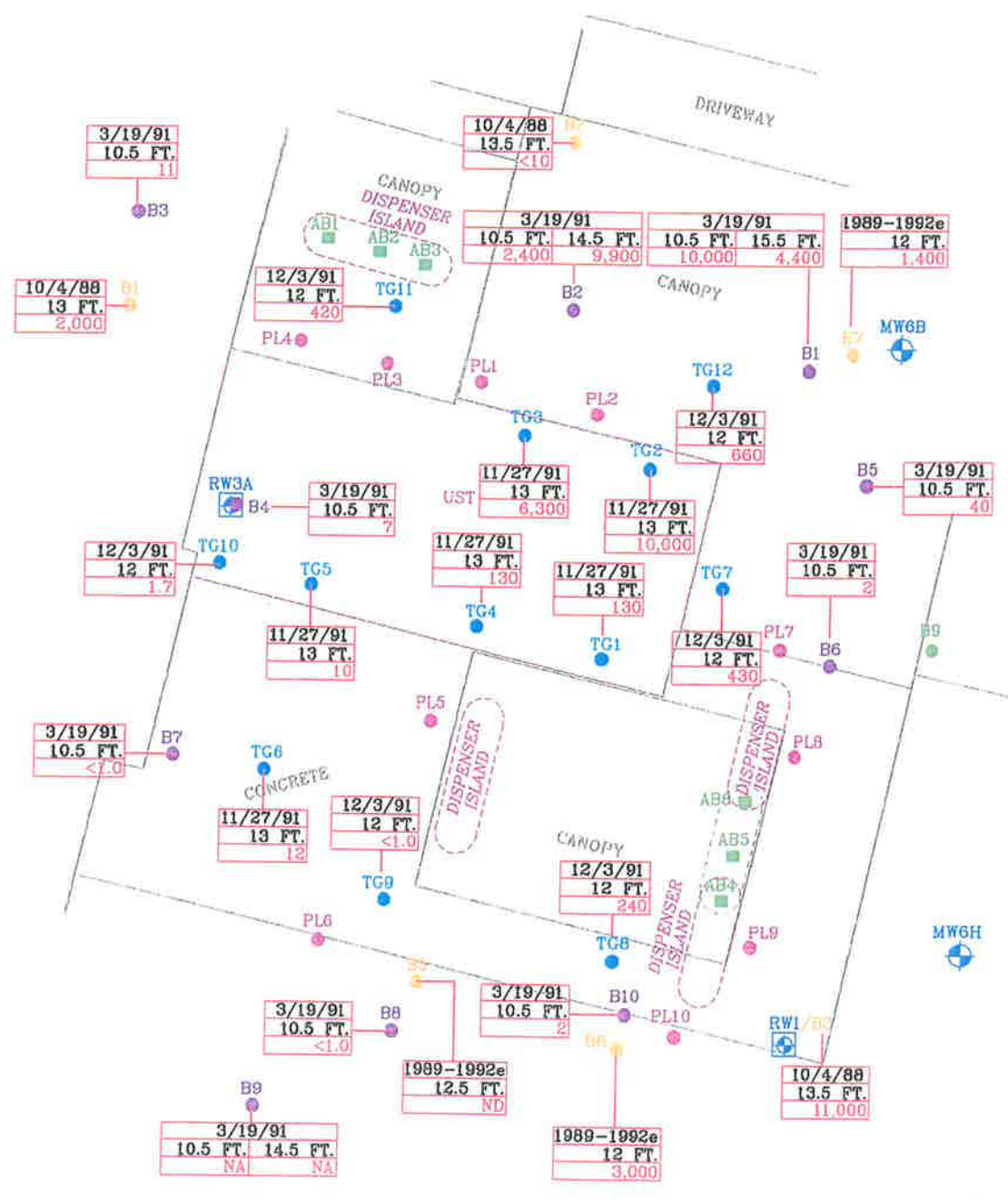


FN 2229 R23 GSP_SAR_SP



**HISTORICAL TPHg IN SOIL - DEEP
(Greater Than 3 Meters)**

FORMER EXXON STATION 7-0235
2225 Telegraph Avenue
Oakland, California



Analyte Concentrations in mg/kg
 10/4/88 Sample Date
 13.5 FT. Sample Depth
 11,000 TPHg

< Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram
 ND Not Detected
 NA Not Analyzed

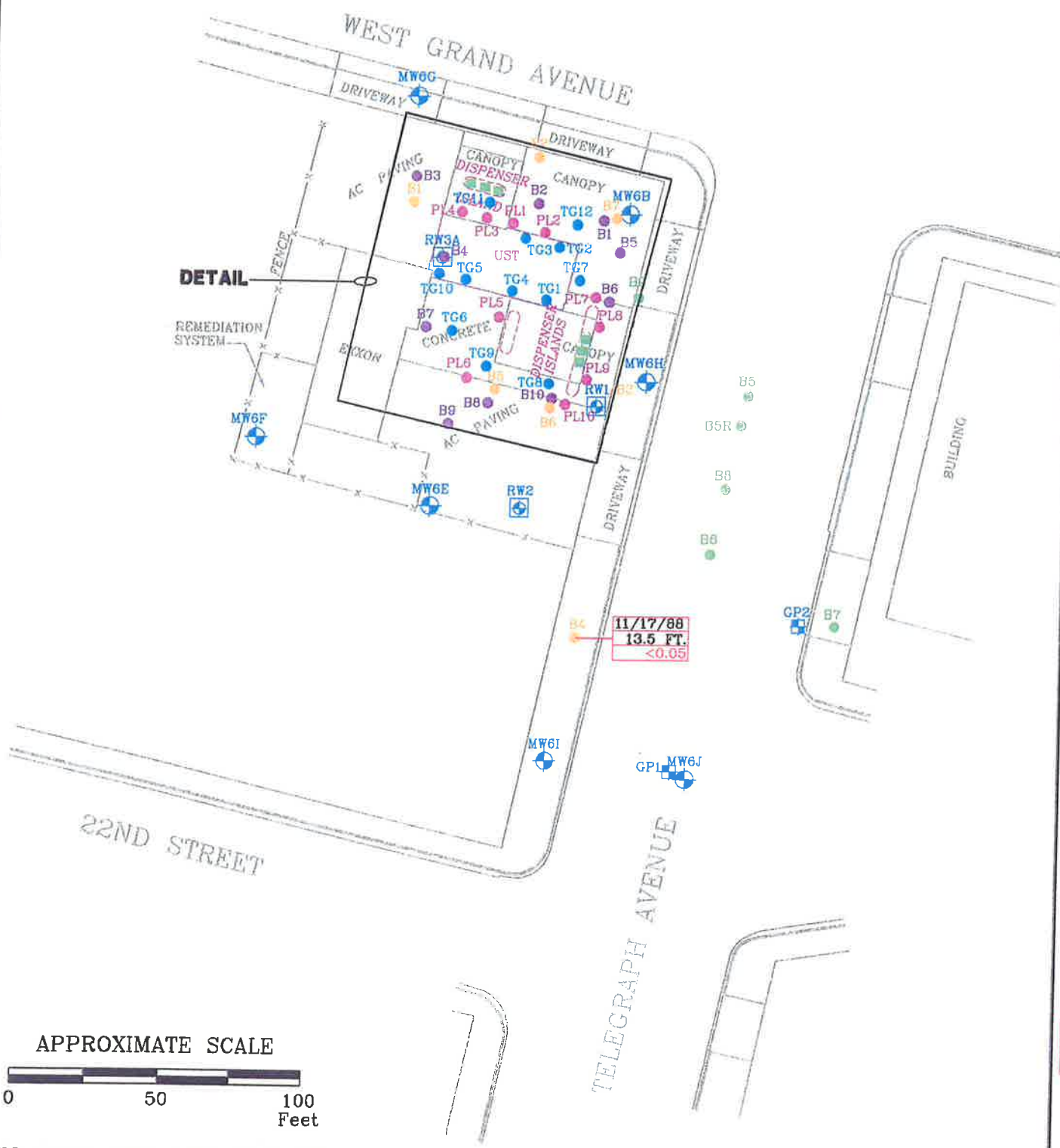
DETAIL
Not to scale

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B6 Soil Boring-HIA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA
- AB6 Hand Auger-HIA

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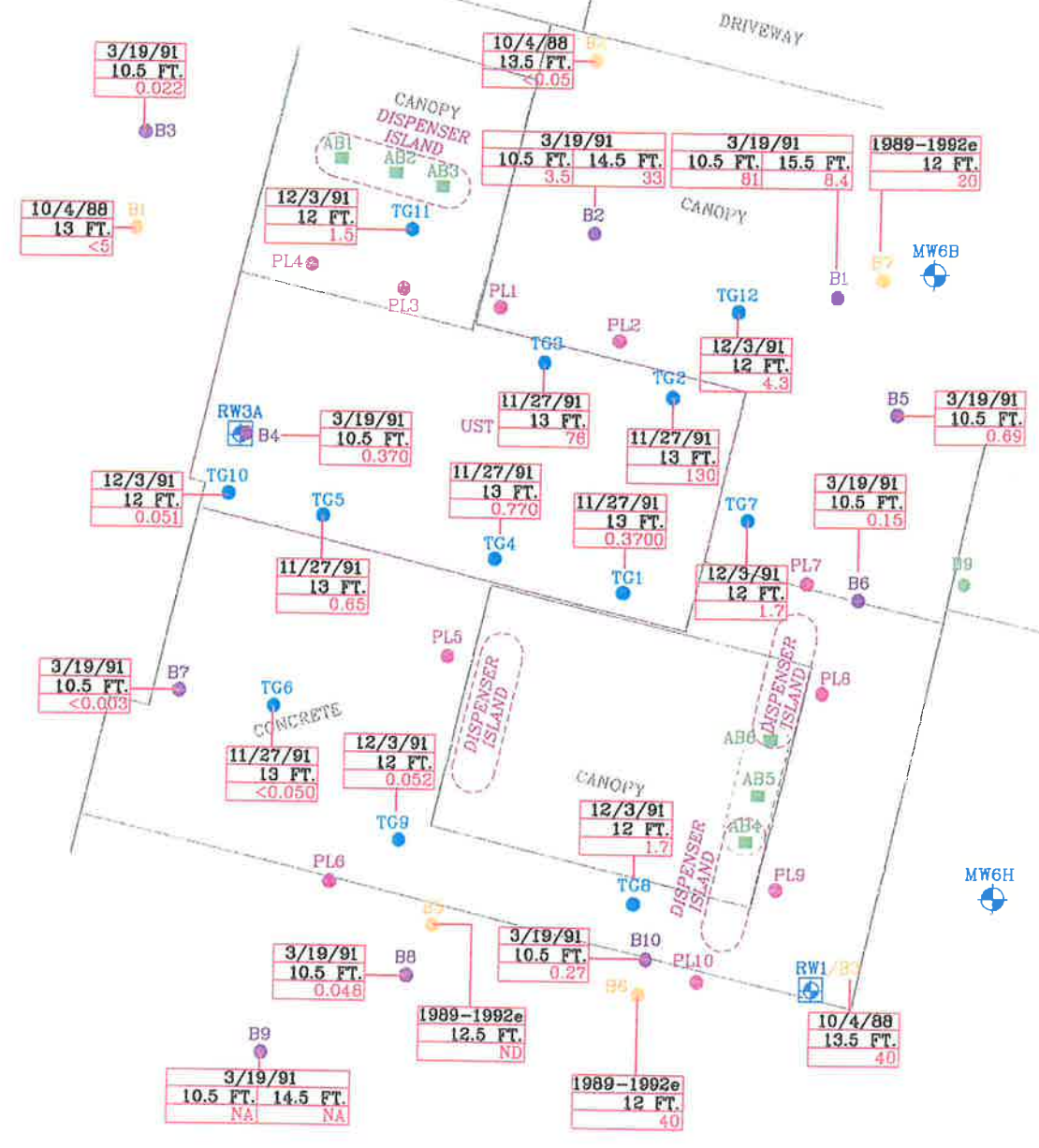
PLATE
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FN 2229 R23 GSP_SAR_SP



HISTORICAL BENZENE IN SOIL - DEEP
(Greater Than 3 Meters)
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California



Analyte Concentrations in mg/kg
 11/27/91 Sample Date
 13 FT. Sample Depth
 130 Benzene

< Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram
 ND Not Detected
 NA Not Analyzed

DETAIL
 Not to scale

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B1 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA
- AB6 Hand Auger-HLA

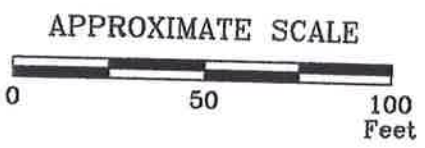
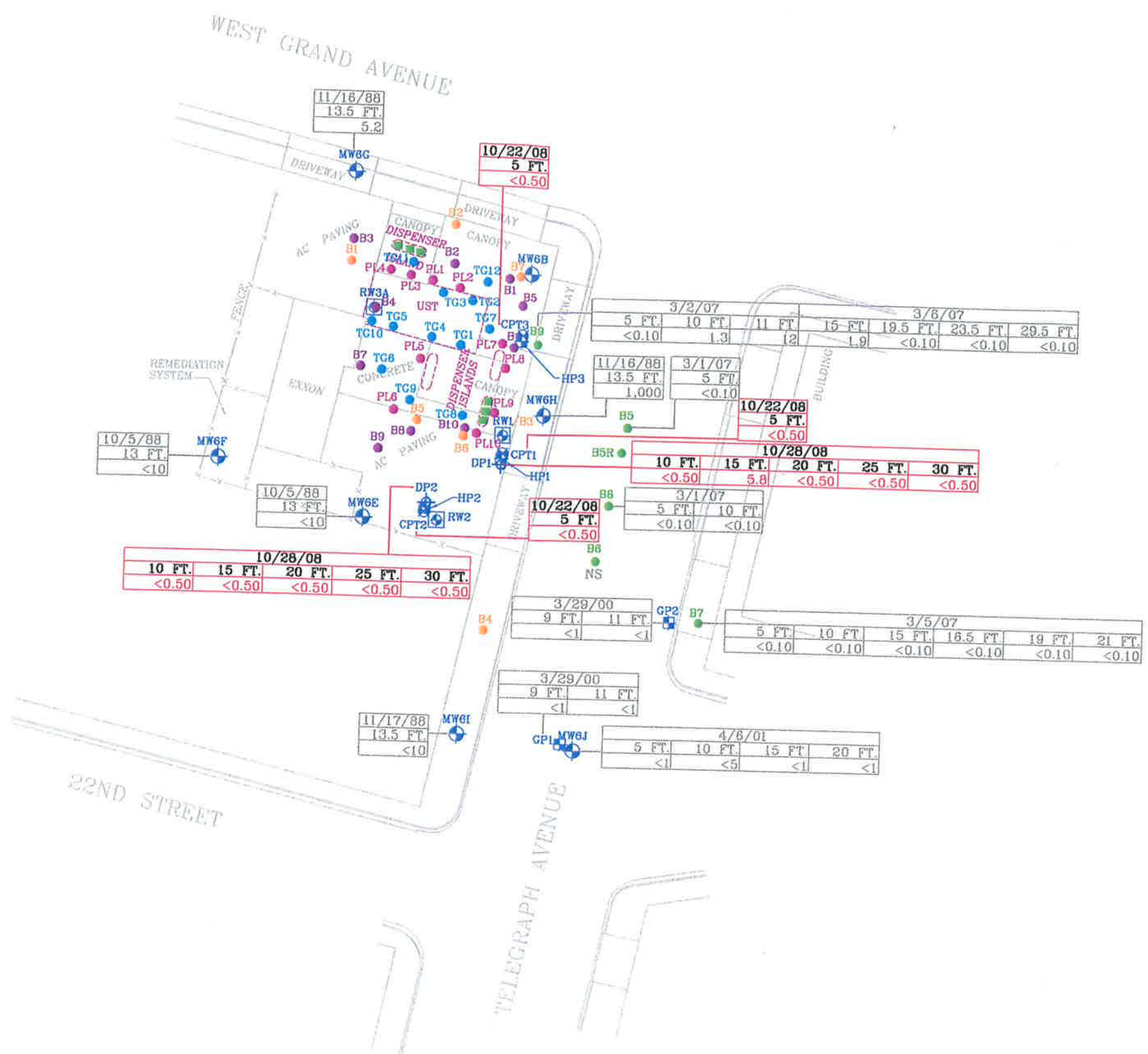
PROJECT NO.
 2229

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Appendix E

**Lateral and Vertical Extent of TPHg,
Benzene, and MTBE Concentrations in Soil**

Analyte Concentrations in mg/kg
 11/16/88 Sample Date
 13.5 FT. Sample Depth
 1,000 Total Petroleum Hydrocarbons as gasoline
 < Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram



FN 2229 R24 GSP_SP



SELECT SOIL ANALYTICAL RESULTS - TPHg

FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

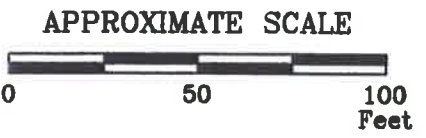
- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9 Soil Boring-ERI
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B8 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TC12 Soil Boring-EA
- AB6 Hand Auger-HLA
- CPT3 Cone Penetration Text Boring
- HP3 Hydropunch Boring
- DP2 Direct Push Boring

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Analyte Concentrations in mg/kg

3/6/07 Sample Date
 15 FT. Sample Depth
 0.48 Total Petroleum Hydrocarbons as gasoline
 < Less Than the Stated Laboratory Reporting Limit
 mg/kg Milligrams per kilogram



FN 2229 R24 GSP_SP



SELECT SOIL ANALYTICAL RESULTS - Benzene

FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB9
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- B3 Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12
- AB6 Hand Auger-HLA
- CPT3 Cone Penetration Text Boring
- HP3 Hydropunch Boring
- DP2 Direct Push Boring

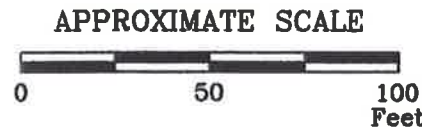
PROJECT NO.
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XXONMOBIL\ExxonMobil Projects\022229 (70235) Oakland\Reports\222903.R24 CPT HP DP\R23 P11.dwg, Miklich, Joshua

Analyte Concentrations in mg/kg

- 3/2/07 Sample Date
- 10 FT. Sample Depth
- 0.016 Total Petroleum Hydrocarbons as gasoline
- < Less Than the Stated Laboratory Reporting Limit
- mg/kg Milligrams per kilogram
- NA Not Analyzed
- a Analyzed using EPA Method 8021B



FN 2229 R24 GSP_SP



SELECT SOIL ANALYTICAL RESULTS - MTBE

FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- GP2 Geoprobe
- AB6 Hand Auger-HLA
- RW3A Recovery Well
- PL10 Soil Boring-Product Line
- CPT3 Cone Penetration Text Boring
- SB9 Soil Boring-ERI
- B6 Soil Boring-HLA
- HP3 Hydropunch Boring
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA
- DP2 Direct Push Boring

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Appendix F

Historical Isoconcentration Maps



FN 2229 R23 GSP_SP

10,000-----Line of Equal TPHg Concentration (ug/L)



TPHg ISOCONCENTRATION MAP
January 19 and March 2, 5, and 6, 2007
FORMER EXXON STATION 7-0235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- <50.0 TPHg concentration (ug/L)
- RW3A Recovery Well
- SB9 Soil Boring-ERI

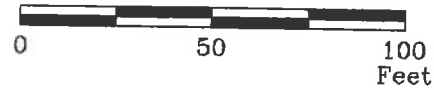
- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- Hand Auger-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA

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WEST GRAND AVENUE



APPROXIMATE SCALE



FN 2229 R23 GSP_SP

TPHd ISOCONCENTRATION MAP
January 19 and March 2, 5, and 6, 2007
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- <47 TPHd concentration (ug/L)
- RW3A Recovery Well
- SB9 Soil Boring-ERI

- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- Soil Boring-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA

- AB6 Hand Auger-HLA

- b Hydrocarbon pattern does not resemble the requested fuel.
- d Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

1,000-----Line of Equal TPHd Concentration (ug/L)

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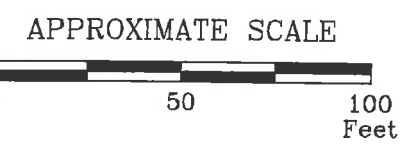


WEST GRAND AVENUE



22ND STREET

TELEGRAPH AVENUE



FN 2229 R23 GSP_SP



TPHmo ISOCONCENTRATION MAP
January 19 and March 2, 5 and 6, 2007
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- <470 TPHmo concentration (ug/L)
- RW3A Recovery Well
- SB9 Soil Boring-ERI

- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- AB6 Hand Auger-HLA
- B10 Soil Boring-ALTON
- TG12 Soil Boring-EA

b Hydrocarbon pattern does not resemble the requested fuel.
 TPHmo Total petroleum hydrocarbons as motor oil.

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FN 2229 R23 GSP_SP



BENZENE ISOCONCENTRATION MAP
January 19 and March 2, 5, and 6, 2007
FORMER EXXON STATION 7-0235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- <0.50 Benzene concentration (ug/L)
- RW3A Recovery Well
- SB9 Soil Boring-ERI

- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- Soil Boring-HLA
- B10 Soil Boring-ALTON
- TC12 Soil Boring-EA

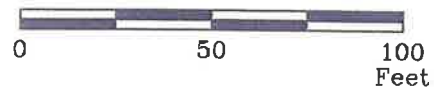
10,000----Line of Equal Benzene Concentration (ug/L)

- AB0 Hand Auger-HLA

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2229
PLATE
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APPROXIMATE SCALE



FN 2229 R23 GSP_SP



MTBE ISOCONCENTRATION MAP
January 19 and March 2, 5, and 6, 2007
 FORMER EXXON STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- 12.1 MTBE concentration (ug/L)
- RW3A Recovery Well
- SB9 Soil Boring-ERI

- GP2 Geoprobe
- PL10 Soil Boring-Product Line
- SA6 Soil Spring-SHA
- B10 Soil Boring-ALTON
- TC12 Soil Boring-EA

- AB6 Hand Auger-HLA

100 -----Line of Equal MTBE Concentration (ug/L)

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PLATE
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Appendix G

Select Groundwater Analytical Results

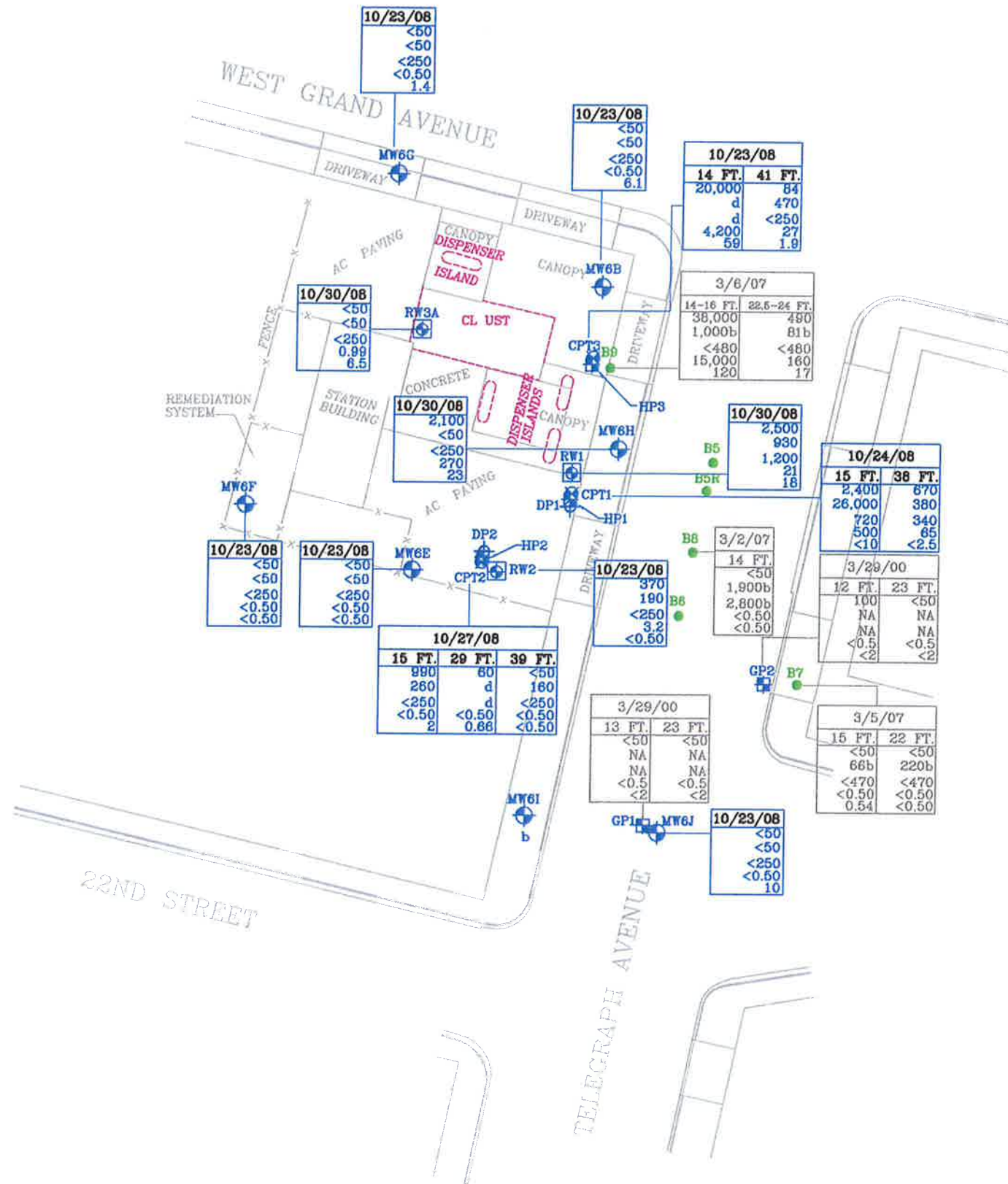
Analyte Concentrations in ug/L
 3/6/07 Sample Date
 14-16 FT. Sample Date
 38,000 Total Petroleum Hydrocarbons as gasoline
 1,000b Total Petroleum Hydrocarbons as diesel
 <480 Total Petroleum Hydrocarbons as motor oil
 15,000 Benzene
 120 Methyl Tertiary Butyl Ether (EPA Method 8260B)
 < Less Than the Stated Laboratory Reporting Limit
 ug/L Micrograms per Liter

NA Not Analyzed

b Hydrocarbon pattern does not resemble the requested fuel

d Insufficient sample volume

NS Not Sampled



APPROXIMATE SCALE



FN 2229 R23 GRAB GROUNDWATER_SP



SELECT GROUNDWATER ANALYTICAL RESULTS
 FORMER EXXON SERVICE STATION 70235
 2225 Telegraph Avenue
 Oakland, California

EXPLANATION

- MW6J Groundwater Monitoring Well
- RW3A Recovery Well
- SB10 Soil Boring
- GP2 Geoprobe

- CPT3 Cone Penetration Text Boring
- HP3 Hydropunch Boring
- DP2 Direct Push Boring

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PLATE
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Appendix H

Field Protocols

**Cardno ERI
Soil Boring and Well Installation
Field Protocol**

Preliminary Activities

Prior to the onset of field activities at the site, Cardno ERI obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Cardno ERI marks the borehole locations and contacts the local one call utility locating service at least 48 hours prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Prior to drilling, the borehole location is cleared in accordance with the client's procedures. Fieldwork is conducted under the advisement of a registered professional geologist and in accordance with an updated site-specific safety plan prepared for the project, which is available at the job site during field activities.

Drilling and Soil Sampling Procedures

Cardno ERI contracts a licensed driller to advance the boring and collect soil samples. The specific drilling method (e.g., hollow-stem auger, direct push method, or sonic drilling), sampling method [e.g., core barrel or California-modified split spoon sampler (CMSSS)] and sampling depths are documented on the boring log and may be specified in a work plan. Soil samples are typically collected at the capillary fringe and at 5-foot intervals to the total depth of the boring. To determine the depth of the capillary fringe prior to drilling, the static groundwater level is measured with a water level indicator in the closest monitoring well to the boring location, if available.

The borehole is advanced to just above the desired sampling depth. For CMSSSs, the sampler is placed inside the auger and driven to a depth of 18 inches past the bit of the auger. The sampler is driven into the soil with a standard 140-pound hammer repeatedly dropped from a height of 30 inches onto the sampler. The number of blows required to drive the sampler each 6-inch increment is recorded on the boring log. For core samplers (e.g., direct push), the core is driven 18 inches using the rig apparatus.

Soil samples are preserved in the metal or plastic sleeve used with the CMSSS or core sampler, in glass jars or other manner required by the local regulatory agency (e.g., Environmental Protection Agency Method 5035). Sleeves are removed from the sample barrel, and the lowermost sample sleeve is immediately sealed with Teflon™ tape, capped, labeled, placed in a cooler chilled to 4° Celsius and transported to a state-certified laboratory. The samples are transferred under chain-of-custody (COC) protocol.

Field Screening Procedures

Cardno ERI places the soil from the middle of the sampling interval into a plastic re-sealable bag. The bag is placed away from direct sunlight for a period of time which allows volatilization of chemical constituents, after which the tip of a photo-ionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The PID measurement is recorded on the boring log. At a minimum, the PID or other device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. Cardno ERI trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, which is included in the final report.

Air Monitoring Procedures

Cardno ERI performs a field evaluation for volatile hydrocarbon concentrations in the breathing zone using a calibrated photo-ionization detector or lower explosive level meter.

Groundwater Sampling

A groundwater sample, if desired, is collected from the boring by using Hydropunch™ sampling technology or installing a well in the borehole. In the case of using Hydropunch™ technology, after collecting the capillary fringe soil sample, the boring is advanced to the top of the soil/groundwater interface and a sampling probe is pushed to approximately 2 feet below the top of the static water level. The probe is opened by partially withdrawing it and thereby exposing the screen. A new or decontaminated bailer is used to collect a water sample from the probe. The water sample is then emptied into laboratory-supplied containers constructed of the correct material and with the correct volume and preservative to comply with the proposed laboratory test. The container is slowly filled with the retrieved water sample until no headspace remains and then promptly sealed with a Teflon-lined cap, checked for the presence of bubbles, labeled, entered onto a COC record and placed in chilled storage at 4° Celsius. Laboratory-supplied trip blanks accompany the water samples as a quality assurance/quality control procedure. Equipment blanks may be collected as required. The samples are kept in chilled storage and transported under COC protocol to a client-approved, state-certified laboratory for analysis.

Backfilling of Soil Boring

If a well is not installed, the boring is backfilled from total depth to approximately 5 feet below ground surface (bgs) with either neat cement or bentonite grout using a tremie pipe and either the boring is backfilled from 5 feet bgs to approximately 1 foot bgs with hydrated bentonite chips or backfill is continued to just below grade with neat cement grout. The borehole is completed to surface grade with material that best matches existing surface conditions and meets local agency requirements. Site-specific backfilling details are shown on the respective boring log.

Well Construction

A well (if constructed) is completed using materials documented on the boring log or specified in a work plan. The well is constructed with slotted casing across the desired groundwater sampling depth(s) and completed with blank casing to within 6 inches of surface grade. No further construction is conducted on temporary wells. For permanent wells, the annular space of the well is backfilled with Monterey sand from the total depth to approximately 2 feet above the top of the screened casing. A hydrated granular bentonite seal is placed on top of the sand filter pack. Grout may be placed on top of the bentonite seal to the desired depth using a tremie pipe. The well may be completed to surface grade with a 1-foot thick concrete pad. A traffic-rated well vault and locking cap for the well casing may be installed to protect against surface-water infiltration and unauthorized entry. Site-specific well construction details including type of well, well depth, casing diameter, slot size, length of screen interval and sand size are documented on the boring log or specified in the work plan.

Well Development and Sampling

If a permanent groundwater monitoring well is installed, the grout is allowed to cure a minimum of 48 hours before development. Cardno ERI personnel or a contracted driller use a submersible pump or surge block to develop the newly installed well. Prior to development, the pump is decontaminated by allowing it to run and re-circulate while immersed in a non-phosphate solution followed by successive immersions in potable water and de-ionized water baths. The well is developed until sufficient well casing volumes are removed so that turbidity is within allowable limits and pH, conductivity and temperature levels stabilize in the purge water. The volume of groundwater extracted is recorded on a log.

Following development, groundwater within the well is allowed to recharge until at least 80% of the drawdown is recovered. A new or decontaminated bailer is slowly lowered past the air/water interface in the well, and a water sample is collected and checked for the presence of non-aqueous phase liquid, sheen or emulsions. The water sample is then emptied into laboratory-supplied containers as discussed above.

Surveying

If required, wells are surveyed by a licensed land surveyor relative to an established benchmark of known elevation above mean sea level to an accuracy of +/- 0.01 foot. The casing is notched or marked on one side to identify a consistent surveying and measuring point.

Decontamination Procedures

Cardno ERI or the contracted driller decontaminates soil and water sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. De-ionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned prior to drilling the borehole and at completion of the borehole.

Waste Treatment and Soil Disposal

Soil cuttings generated from the drilling or sampling are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. The soil is removed from the site and transported under manifest to a client- and regulatory-approved facility for recycling or disposal. Decontamination fluids and purge water from well development and sampling activities, if conducted, are stored on site in labeled, regulatory-approved storage containers. Fluids are subsequently transported under manifest to a client- and regulatory-approved facility for disposal or treated with a permitted mobile or fixed-base carbon treatment system.