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Alameda, CA 94552  
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.....

# Xtra Oil Company

**RECEIVED**

2:33 pm, Jan 22, 2008

Alameda County  
Environmental Health

December 13, 2007

Mr. Steven Plunkett  
Alameda County Health Agency  
Dept. of Environmental Health  
1131 Harbor Bay Pkwy.  
Alameda, CA 94502

**SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT  
(SEPTEMBER THROUGH NOVEMBER 2007) CERTIFICATION**  
County Case # RO 191  
Xtra Oil Company  
1701 Park Street  
Alameda, CA

Dear Mr. Plunkett:

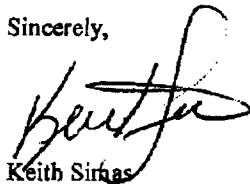
P&D Environmental, Inc. has prepared the following document:

- Quarterly Groundwater Monitoring and Sampling Report (September Through November 2007) dated December 12, 2007 (document 0058.R6).

I declare under penalty of perjury that the contents and conclusions in the document are true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 865-9503.

Sincerely,



Keith Sirgas  
Operations Supervisor

0058.L120

.....

*Retail Fueling Convenience Stores*

# **P&D ENVIRONMENTAL, INC.**

**55 Santa Clara Avenue, Suite 240**

**Oakland, CA 94610**

**(510) 658-6916**

December 12, 2007

Report 0058.R6

Mr. Ted Simas  
Mr. Keith Simas  
Xtra Oil Company  
2307 Pacific Ave.  
Alameda, CA 94501

**SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT  
(SEPTEMBER THROUGH NOVEMBER 2007)  
County Case # RO 191  
Xtra Oil Company  
1701 Park Street  
Alameda, CA**

Gentlemen:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the results of the most recent quarterly monitoring and sampling of the groundwater monitoring wells at the subject site. Field activities were performed on November 29, 2007. The monitoring and sampling was performed in conjunction with monitoring and sampling by Environmental Resolutions, Inc. (ERI) at the 1725 Park Street Exxon/Valero site. The reporting period is for September through November 2007. A Site Location Map (Figure 1) and Site Vicinity Map (Figure 2) are attached with this report.

## BACKGROUND

The subject site is presently used as a retail gasoline station. In April 1994, the Xtra Oil Company site was expanded onto the adjacent property at 2329 Buena Vista Avenue. Three gasoline underground storage tanks (USTs) and one diesel UST were removed from the property. The UST volumes and construction details are unknown. The USTs were replaced with two 10,000 gallon and one 7,000 gallon double walled USTs. One UST, which had been used to store heating oil, was removed from 2329 Buena Vista Avenue. At the time of the UST removals in April and May 1994, Alisto Engineering Group (Alisto) personnel collected 12 soil samples from the former UST pit and dispenser island excavations. Petroleum hydrocarbons were detected in the soil at the time of tank removal. According to Alisto's Additional Investigation Report dated December 19, 2001 documentation of the UST removal and associated sample results are provided in Alisto's Tank Closure Report dated July 5, 1994.

Alisto performed a subsurface investigation in November 1994 to assess the nature and extent of petroleum hydrocarbons in soil and groundwater at the site. Soil borings B1, B2 and B3 were drilled onsite to a total depth of 20 feet, and later converted into monitoring wells MW-1, MW-2 and MW-3, respectively.

Laboratory analytical results indicated the presence of petroleum hydrocarbons in the soil from between 7 and 8 feet below grade (fbg) at the locations of wells MW-1 and MW-2.

Total Petroleum Hydrocarbons as Gasoline (TPH-G) were detected at concentrations of up to 12,000 milligrams per kilogram (mg/kg), Total Petroleum Hydrocarbons as Diesel (TPH-D) were detected at concentrations of up to 6,700 mg/kg, and benzene was detected at concentrations of up to 70 mg/kg in the soil. According to Alisto's Additional Investigation Report dated December 19, 2001, documentation of the subsurface investigation and associated sample results are provided in Alisto's Preliminary Site Assessment Report dated January 13, 1995.

A quarterly groundwater monitoring and sampling program was initiated by Alisto in November of 1994. The groundwater flow direction has historically ranged from northeasterly to southeasterly. Free product was observed in well MW-2 from the initiation of quarterly monitoring until the July 2000 event with a maximum thickness of 0.21 feet detected in May 1997 and August 1999. From November 1994 to June 2004, the depth to water at the site ranged from 3.51 to 9.12 feet below grade (fbg). TPH-G has been detected in the wells at a maximum concentration of 100,000 micrograms per liter ( $\mu\text{g/l}$ ) in MW-1 (September 1997), TPH-D at a maximum concentration of 6,700,000  $\mu\text{g/l}$  in MW-2 (free product in May 1997), benzene at a maximum concentration of 22,000  $\mu\text{g/l}$  in MW-1 (November 1995), and MTBE at a maximum concentration of 19,000  $\mu\text{g/l}$  in MW-1 (June 1996).

In June 1996, Alisto performed a review of utility records at the County of Alameda Public Works Agency. A 10-inch diameter sanitary sewer was determined to be located in the center of Park Street at approximately 11 fbg. Due to groundwater depths of less than 11 fbg at the site, Alisto determined that the sanitary sewer trench may act as a preferential pathway for petroleum hydrocarbons migrating from the site toward Park Street. The report did not address site vicinity stratigraphy with respect to utility depths. According to Alisto's Additional Investigation Report dated December 19, 2001, documentation of the utility record review is provided in Alisto's Additional Investigation Report dated June 27, 1997.

Alisto performed an additional subsurface investigation in April 1997. The investigation included the installation of monitoring well MW-4 and the drilling of soil boring SB-1. The soil collected at the location of well MW-4 contained 5,300 mg/kg of TPH-G, 1,100 mg/kg of TPH-D and 15 mg/kg of methyl tertiary-butyl ether (MTBE). Total Organic Carbon (TOC) was detected in the soil at the location of boring SB-1 at a concentration of 830 mg/kg. According to Alisto's Additional Investigation Report dated December 19, 2001, documentation of the utility record review is provided in Alisto's Additional Investigation Report dated June 27, 1997.

In October 1999, Alisto prepared a Corrective Action Plan (CAP) to evaluate alternatives for site remediation and to develop a plan to address impacted soil and groundwater at the site. The CAP included a description of the soil types encountered during previous investigations at the site. Silty to gravelly clays predominate from the ground surface to approximately 8 fbg and are underlain by sandy silt and sandy clay to the total explored depth of 20 fbg. Alisto recommended a remediation plan that included air sparging and vapor extraction followed by thermal treatment of the extracted soil gas. Alisto also recommended performing vapor extraction and air sparging pilot tests to confirm the feasibility of the recommended remedial methods. Details of the plan are presented in Alisto's October 14, 1999 Corrective Action Plan.

On April 5, 2000, Alisto installed air sparging wells ASP-1 through ASP-7 to depths of between 26 and 30 fbg. The air sparging well locations are shown on Figure 2. A soil vapor extraction test was performed on October 12, 2000 using a slotted horizontal vapor extraction pipe located at a depth of four feet in a trench at the site. Figure 2 shows that the trench surrounds the UST pit and dispenser islands on the northeast, southeast and southwest. The trench was installed at the time of site reconstruction in 1994. Vacuum pressure changes in monitoring wells MW-1, MW-2, and MW-4 were observed to determine the zone of influence during the test. An air sparging pilot test was performed on October 13, 2000 using wells MW-1 and MW-4 to monitor the influence of air injected air sparging wells on groundwater elevations and hydrocarbon concentrations in soil vapor and groundwater. Alisto concluded from the results of the tests that a combination of air sparging and vapor extraction can be effective in removing petroleum hydrocarbons from the subsurface materials. Documentation of the field activities and sample results are presented in Alisto's Remedial Investigation Report, dated February 8, 2001.

In November 2001, Alisto hand augered offsite borings TW-1, TW-2, and TW-3 to further assess the horizontal extent of petroleum hydrocarbon impact to soil and groundwater in the vicinity of the site. The locations of the borings are shown in Figure 2. Soil samples were collected at a depth of 7 fbg in each boring. The borings were subsequently converted into temporary groundwater monitoring wells and sampled. No TPH-G, TPH-D, benzene, toluene, ethylbenzene, xylenes, or MTBE were detected in any of the soil samples collected. Only MTBE at a concentration of 7.8 µg/l in TW-2 was detected in the groundwater samples. Based on the results of the soil and groundwater sampling, Alisto concluded that the extent of petroleum hydrocarbon impact is limited to within 80 feet of the property. Documentation of the field activities and sample results are presented in Alisto's Additional Investigation Report, dated December 19, 2001.

Petroleum hydrocarbon subsurface investigation and remediation have historically been performed at the former Exxon station (presently operated as a Valero station) at 1725 Park Street, located approximately 100 feet northeast of the subject site. ERI provided the results of their sensitive receptor and well survey in their Sensitive Receptor Survey Update Report for the Exxon/Valero site at 1725 Park Street, dated August 2, 2002. Eight utility vaults and two catch basins were identified adjacent to the site. For surface water bodies, a tidal canal was identified 1,000 feet away. Within 1,000 feet, three basements were identified upgradient from the site. No wells were located within 2,000 feet and no tunnels or subways were located within 1,000 feet.

P&D submitted to the Alameda County Department of Environmental Health (ACDEH) a Subsurface Investigation Work Plan (document 0058.W1) dated September 1, 2006 for investigation of the horizontal extent of petroleum hydrocarbons in soil and groundwater in the vicinity of the subject site. In a letter dated September 22, 2006 titled, "Change In Consultant of Record" Xtra Oil Company identified P&D as the new consultant of record. Between November 3 and November 9, 2006, soil borings were drilled at five locations designated as B3 through B7 to evaluate stratigraphy and the subsurface distribution of petroleum hydrocarbons in the site vicinity. Documentation of the field activities and sample results are presented in P&D's Subsurface Investigation Report (B3 Through B7) dated March 6, 2007 (document 0058.R2).

On September 8, 2006 Alisto performed quarterly monitoring and sampling of the wells at the subject site. The monitoring and sampling was performed in conjunction with monitoring and sampling by ERI at the 1725 Park Street Exxon/Valero site. Documentation of the monitoring and sampling is provided in Alisto's Third Quarter 2006 Groundwater Monitoring and Sampling Report dated November 3, 2006 (uploaded to GeoTracker on November 27, 2006). The fourth quarterly monitoring and sampling event for 2006 was performed by P&D on November 6, 2006.

### FIELD ACTIVITIES

On November 29, 2007, P&D monitored wells MW1, MW2, MW3, and MW4 for depth to water to the nearest 0.01 foot using an electric water level indicator, and sampled wells MW1, MW2, MW3, and MW4. The monitoring and sampling was performed in conjunction with monitoring and sampling by ERI at the 1725 Park Street Exxon/Valero site. Historic monitoring and sampling data obtained by others for the subject site are attached with this report as Appendix A, and for the 1725 Park Street Exxon/Valero site are attached with this report as Appendix B.

The wells were first evaluated for the presence of free product or sheen by using a transparent bailer. No free product was detected in any of the wells. Petroleum hydrocarbon sheen and petroleum hydrocarbon odors were detected on the purge water from wells MW1, MW2, and MW4. Petroleum hydrocarbon sheen and odor were absent from the purge water from well MW3.

Prior to sampling, all of the wells were purged of a minimum of three casing volumes of water. During purging operations, the field parameters of pH, electrical conductivity and temperature were monitored. Once a minimum of three casing volumes had been purged, water samples were collected using a new disposable polypropylene bailer. The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and to one-liter amber glass bottles that were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to ensure that no air bubbles were present.

The sample containers were then transferred to a cooler with ice, and later were transported to McCampbell Analytical, Inc. in Pittsburg, California. McCampbell Analytical, Inc. is a State-Accredited hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory. Records of the field parameters measured during well purging are attached with this report.

### HYDROGEOLOGY

Water levels in wells MW1, MW2, MW3, and MW4 were monitored once during the quarter. The measured depth to water on November 29, 2007 ranged from 7.57 to 8.15 feet. Since the previous monitoring and sampling event on August 29, 2007, groundwater elevations have increased in all of the wells by amounts ranging from 0.40 to 0.50 feet. Based on the measured depth to water in groundwater monitoring wells MW1, MW2, and MW3, the apparent groundwater flow direction at the site on November 29, 2007 was calculated to be to the east-northeast to east with a gradient of 0.0052.

During the previous monitoring event on August 29, 2007, the groundwater flow direction was calculated to be to the east-northeast with a gradient of 0.0056. Since the previous monitoring and sampling event, the calculated groundwater flow direction has shifted towards the east, and on November 29, 2007 was approximately consistent with the historic northeasterly groundwater flow direction obtained using the groundwater surface elevation information from the 1725 Park Street Exxon/Valero site in conjunction with groundwater surface elevation data from the subject site. Depth to water level measurements and calculated groundwater surface elevations are presented in Table 1. The calculated groundwater flow direction at the site on November 29, 2007 is shown on Figure 2.

### LABORATORY RESULTS

The monitoring and sampling event was performed in conjunction with the monitoring and sampling event performed by ERI for the Exxon/Valero facility located at 1725 Park Street. The groundwater samples collected from wells MW1, MW2, MW3, and MW4 at the subject site were analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) and TPH-D using EPA Method 3510C in conjunction with EPA Method 8015C, and TPH-G and methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 5030B in conjunction with modified EPA Method 8015C and EPA Method 8021B.

None of the analytes were detected in well MW3. TPH-MO was detected in well MW2 at a concentration of 11,000 µg/L, and was not detected in wells MW1 and MW4. In wells MW1, MW2, and MW4, TPH-D was detected at concentrations of 3,100, 32,000, and 2,800 µg/L, respectively; and TPH-G was detected at concentrations of 27,000, 11,000, and 12,000 µg/L, respectively. MTBE was detected in well MW1 at a concentration of 2,600 µg/L, and was not detected in wells MW2 and MW4. Benzene was detected in wells MW1, MW2, and MW4 at concentrations of 4,700, 1,000, and 260 µg/L, respectively. Review of the laboratory analytical reports shows that the results reported as TPH-D for well MW4 is identified as containing significant gasoline-range compounds, the results reported as TPH-D for wells MW1 and MW2 are identified as containing both gasoline and diesel-range compounds. The laboratory analytical results are summarized in Table 2. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

Since the last sampling event on August 29, 2007, all analyte concentrations in well MW3 have remained not detected; all TPH-G, TPH-D and TPH-MO concentrations have increased or remained not detected in all of the wells except for MW1, where TPH-D and TPH-MO concentrations decreased, and MTBE and benzene concentrations have decreased or remained not detected in all of the wells.

### DISCUSSION AND RECOMMENDATIONS

The four groundwater monitoring wells at the subject site (MW1, MW2, MW3, and MW4) were monitored and sampled on November 29, 2007 in conjunction with the monitoring and sampling event performed by ERI for the Exxon/Valero facility located at 1725 Park Street. The measured depth to water ranged from 7.57 to 8.15 feet. Groundwater elevations increased in all of the wells by amounts ranging from 0.40 to 0.50 feet since the last sampling event.

During the previous monitoring event on August 29, 2007, the groundwater flow direction was calculated to be to the east-northeast with a gradient of 0.0056. Since the previous monitoring and sampling event, the calculated groundwater flow direction has shifted towards the east, and on November 29, 2007 was approximately consistent with the historic northeasterly groundwater flow direction obtained using the groundwater surface elevation information from the 1725 Park Street Exxon/Valero site in conjunction with groundwater surface elevation data from the subject site.

Petroleum hydrocarbon sheen and petroleum hydrocarbon odors were detected on the purge water from wells MW1, MW2, and MW4. The sample results showed that no analytes were detected in well MW3, as was the case during the four previous monitoring and sampling events. Based on the results of the groundwater sample analysis, P&D recommends that the present quarterly monitoring and sampling program be continued.

The next monitoring and sampling event is scheduled to occur on February 29, 2008 in conjunction with the next ERI monitoring and sampling event for the Exxon/Valero facility located at 1725 Park Street.

#### DISTRIBUTION

A copy of this report will be uploaded to the ACDEH website, in accordance with ACDEH requirements. In addition, a copy of this report will be uploaded to the GeoTracker database.

#### LIMITATIONS

This report was prepared solely for the use of Xtra Oil Company. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

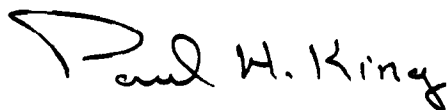
This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature.

This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions or comments, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.



Paul H. King  
Professional Geologist #5901  
Expires 12/31/07



Attachments: Table 1: Well Monitoring Data  
Table 2: Summary of Laboratory Analytical Results  
Figure 1: Site Location Map  
Figure 2: Site Vicinity Map Showing Groundwater Surface Elevation  
Groundwater Monitoring/Well Purging Data Sheets  
Laboratory Analytical Reports and Chain of Custody Documentation  
Historic Water Level and Water Quality Data for the Subject Site (Appendix A)  
Cumulative Groundwater Monitoring and Sampling Data for  
Former Exxon Service Station at 1725 Park Street (Appendix B)

PHK/SF  
0058.R6



# **TABLES**

Xtra Oil Company Site  
 1701 Park Street  
 Alameda, CA

<b>Table 1. Well Monitoring Data</b>				
Well Number	Date Monitored	Top of Casing Elevation (ft-msl.)	Depth to Water (ft)	Water Table Elevation (ft-msl.)
MW1	11/29/2007	19.60	7.82	11.78
	8/29/2007		8.29	11.31
	5/29/2007		7.44	12.16
	3/12/2007		6.34	13.26
	11/6/2006		7.99	11.61
MW2	11/29/2007	20.31	8.15	12.16
	8/29/2007		8.55	11.76
	5/29/2007		7.79	12.52
	3/12/2007		6.82	13.49
	11/6/2006		8.25	12.06
MW3	11/29/2007	20.57	7.88	12.69
	8/29/2007		8.31	12.26
	5/29/2007		7.26	13.31
	3/12/2007		6.03	14.54
	11/6/2006		8.09	12.48
MW4	11/29/2007	19.69	7.57	12.12
	8/29/2007		8.07	11.62
	5/29/2007		7.38	12.31
	3/12/2007		5.30	14.39
	11/6/2006		7.60	12.09

**Abbreviations and Notes:**  
 ft-msl = feet above mean sea level  
 ft = feet

**Table 2. Summary of Laboratory Analytical Results**

Well Number	Sample Date	TPH-MO	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW1	11/29/2007	ND<250	3,100, b, c	27,000	2,600	4,700	930	770	2,600
	8/29/2007	470	3,900, b, c	26,000	3,200	5,400	1,400	810	3,000
	5/30/2007	ND<250	3300, c	22,000	ND<750	400	380	1,100	3,600
	3/12/2007	300	3,500, b, c	38,000	3,500	5,400	2,900	1,300	5,100
	11/6/2006	360	3,400,a,c	44,000,a	3,900	5,600	2,300	920	3,000
MW2	11/29/2007	11,000	32,000, a,c,d	11,000, a	ND<50	1,000	28	120	31
	8/29/2007	2,600	6,300, a, b, c	8,600, a	ND<100	1,300	36	48	48
	5/30/2007	5,800	22,000, a,c,d	14,000, a	ND<210	2,200	51	100	99
	3/12/2007	21,000	74,000, a, c,d	8,500, a	ND< 80	1,200	34	140	69
	11/6/2006	11,000	45,000, a,c	14,000,a	ND<120	1,400	27	200	37
MW3	11/29/2007	ND<250	ND<50	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/29/2007	ND<250	ND<50	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/30/2007	ND< 250	ND<50	ND<50	ND< 5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	3/12/2007	ND< 250	ND< 50	ND< 50	ND< 5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/6/2006	ND<250	ND<50	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW4	11/29/2007	ND<250	2,800, c	12,000	ND<180	260	230	580	2,500
	8/29/2007	ND<250	560, c	12,000, a	660	910	200	750	2,200
	5/30/2007	610	4,500, c	43,000	3,600	5,800	3,700	1,400	5,400
	3/12/2007	ND< 250	3,100, c	19,000	370	560	450	1,100	4,400
	11/6/2006	850	4,300,c	23,000	ND<900	680	250	930	3,100

**Abbreviations and Notes:**

- TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
- TPH-D = Total Petroleum Hydrocarbons as Diesel
- TPH-G = Total Petroleum Hydrocarbons as Gasoline
- MTBE = Methyl tertiary-butyl ether
- μg/L = Micrograms per liter
- ND = Not Detected.
- a = Laboratory Note: lighter than water immiscible sheen/ product is present
- b = Laboratory Note: diesel range compounds are significant; no recognizable pattern
- c = Laboratory Note: gasoline range compounds are significant
- d = Laboratory Note: unmodified or weakly modified diesel range compounds are significant

# **FIGURES**

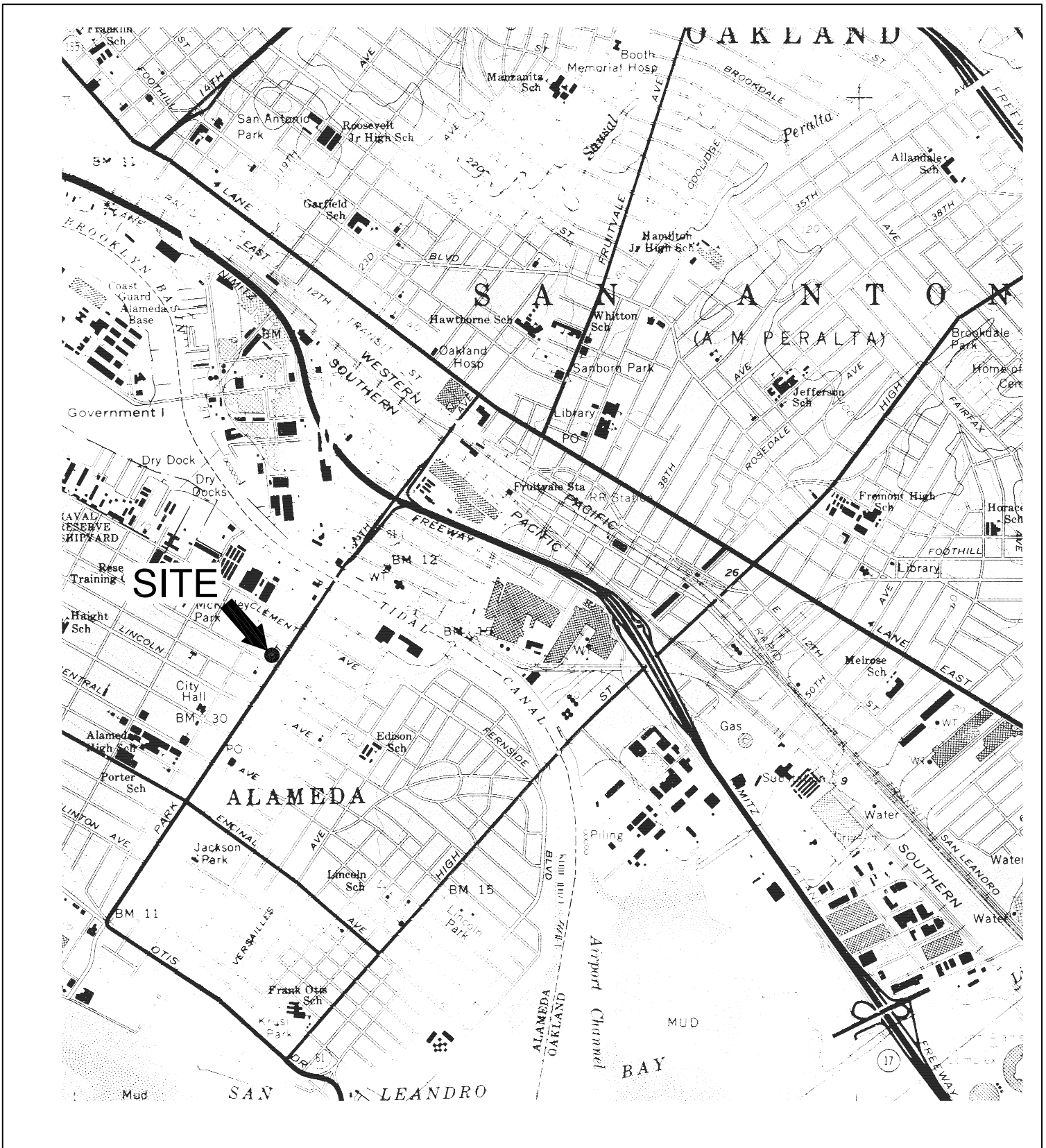
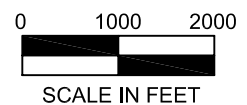


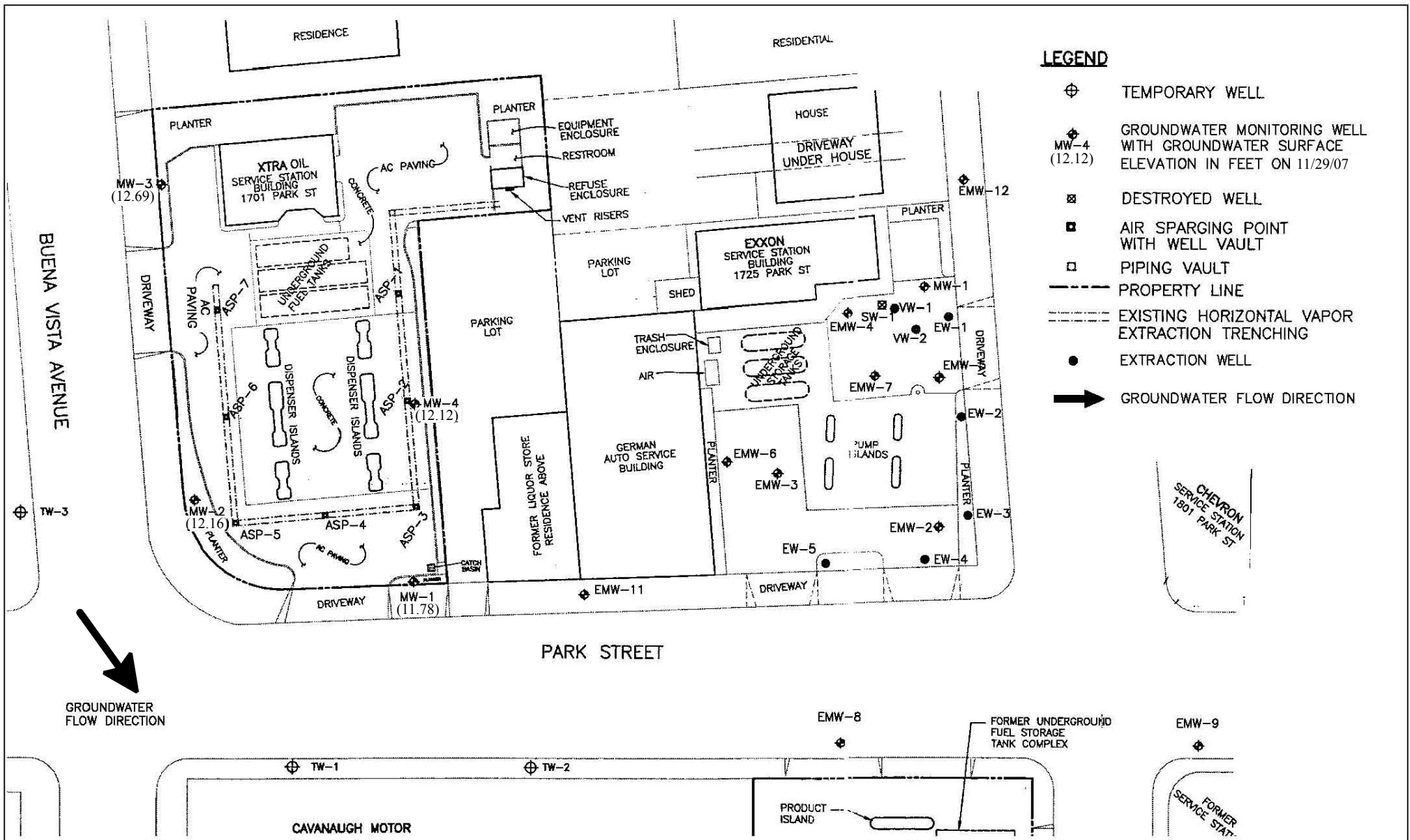
FIGURE 1  
 Site Location Map  
 1701 Park Street  
 Alameda, CA



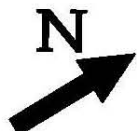
Base Map From:  
 USGS Topographic Map, 7.5 minute series,  
 Oakland East, Calif. quadrangle, 1980

P&D Environmental, Inc.  
 55 Santa Clara Ave, Ste. 240  
 Oakland, CA 94610



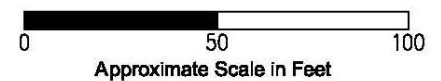


**Figure 2**  
 Site Vicinity Map Showing Groundwater Surface Elevation  
 1701 Park Street  
 Alameda, CA



Base Map From:  
 Alisto Engineering Group, 9/23/2005 and  
 Environmental Resources, Inc.,  
 6/15/2004

P&D Environmental, Inc.  
 55 Santa Clara Ave, Ste. 240  
 Oakland, CA 94610



**WELL MONITORING AND  
PURGE DATA SHEETS**

(4)

P&D ENVIRONMENTAL  
GROUNDWATER MONITORING/WELL PURGING  
1701 Park St. DATA SHEET

Site Name Xtra Oil / Alameda  
Job No. 0058  
TOC to Water (ft.) 7.82  
Well Depth (ft.) 19.2  
Well Diameter 2" (0.16)  
Gal./Casing Vol. 1.9

Well No. MW1  
Date 11/29/07  
Sheen Yes  
Free Product Thickness 0  
Sample Collection Method Disposable Bailer

3 vol = 5.7

TIME	GAL. PURGED	pH	TEMPERATURE °F	ELECTRICAL CONDUCTIVITY $\mu\text{S}/\text{cm}$
1243	0.6	5.65	59.9	10,820
1246	1.2	5.68	60.1	10,800
1248	1.9	5.72	59.7	10,380
1250	2.5	5.71	59.4	10,280
1253	3.1	5.67	59.2	10,200
1255	3.8	5.73	59.1	10,380
1257	4.4	5.72	58.9	10,310
1300	5.0	5.73	58.8	10,360
1302	5.7	5.73	58.7	10,350

NOTES: sheen; H-med phc vdo -  
Sample Time  $\Rightarrow$  1310hrs



3

P&D ENVIRONMENTAL  
GROUNDWATER MONITORING/WELL PURGING  
DATA SHEET

Site Name Xtra Oil 1701 Park St Alameda  
Job No. 0058  
TOC to Water (ft.) 8.15  
Well Depth (ft.) 13.4  
Well Diameter 2" (0.16)  
Gal./Casing Vol. 0.9

Well No. MW 2  
Date 11/30/07  
Sheen YES  
Free Product Thickness 0  
Sample Collection Method Disposable Bore

TIME	GAL. PURGED	pH	TEMPERATURE °F	ELECTRICAL CONDUCTIVITY $\mu\text{S/cm}$
1139	0.3	5.30	65.5	17,170
1141	0.6	5.44	65.5	>20,000
1143	0.9	5.46	64.3	>20,000
1145	1.2	5.43	64.0	>20,000
1147	1.5	5.42	63.6	>20,000
1149	1.8	5.45	63.2	>20,000
1151	2.1	5.50	62.8	>20,000
1153	2.4	5.50	62.1	>20,000
1155	2.7	5.51	61.9	>20,000

NOTES: sheen, mod phcodor, + little bits of sph in purge water  
Sample time => 1200hrs

①

P&D ENVIRONMENTAL  
GROUNDWATER MONITORING/WELL PURGING  
DATA SHEET

Site Name Xtra Oil 1701 Park St Alameda

Well No. MW3

Job No. 0058

Date 11/29/07

TOC to Water (ft.) 7.88

Sheen Site No

Well Depth (ft.) 19.3

Free Product Thickness Ø

Well Diameter 2" (0.16)

Sample Collection Method Disposable Barler

Gal./Casing Vol. 1.9

30si = 5.7

<u>TIME</u>	<u>GAL. PURGED</u>	<u>pH</u>	<u>TEMPERATURE</u> <sup>OF</sup>	<u>ELECTRICAL CONDUCTIVITY</u> <sup>µs/cm</sup>
<u>1059</u>	<u>0.6</u>	<u>5.20</u>	<u>67.4</u>	<u>430</u>
<u>1103</u>	<u>1.2</u>	<u>5.22</u>	<u>66.1</u>	<u>350</u>
<u>1105</u>	<u>1.9</u>	<u>5.28</u>	<u>66.8</u>	<u>&gt;20,000</u>
<u>1107</u>	<u>2.5</u>	<u>5.26</u>	<u>67.8</u>	<u>&gt;20,000</u>
<u>1109</u>	<u>3.1</u>	<u>5.27</u>	<u>68.3</u>	<u>&gt;20,000</u>
<u>1111</u>	<u>3.8</u>	<u>5.27</u>	<u>70.3</u>	<u>&gt;20,000</u>
<u>1113</u>	<u>4.4</u>	<u>5.26</u>	<u>70.5</u>	<u>&gt;20,000</u>
<u>1115</u>	<u>5.0</u>	<u>5.27</u>	<u>70.8</u>	<u>&gt;20,000</u>
<u>1117</u>	<u>5.7</u>	<u>5.33</u>	<u>70.5</u>	<u>&gt;20,000</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

NOTES: No sheen; No odor  
Sample time = 1130 hrs

(2)

P&D ENVIRONMENTAL  
GROUNDWATER MONITORING/WELL PURGING  
DATA SHEET

Site Name Xtra Oil <sup>1701 Park St</sup> <sub>Alameda</sub>  
Job No. 0058  
TOC to Water (ft.) 7.57  
Well Depth (ft.) 10.9  
Well Diameter 2" (0.16)  
Gal./Casing Vol. 0.6

Well No. MW4  
Date 11/29/07  
Sheen yes  
Free Product Thickness Ø  
Sample Collection Method Disposable bailer <sup>PE tubing & check valve</sup>

3 vol = 1.8

TIME	GAL. PURGED	pH	TEMPERATURE °F	ELECTRICAL CONDUCTIVITY µs/cm
<del>1212</del> <sup>1137</sup> <sub>SLC</sub>	0.2	5.08	<del>55.5</del> <sup>59.6</sup>	5,470
1219	0.4	5.30	57.3	<del>147</del> <sup>16,350</sup>
1223	0.6	5.45	56.3	19,600
1225	0.8	5.48	56.3	>20,000
1228	1.0	5.51	56.1	>20,000
1231	1.2	5.53	56.2	>20,000
1234	1.4	5.56	56.3	>20,000
1237	1.6	5.57	56.1	>20,000
1239	basic well de-water at 1.7 gallons			

NOTES: Sheen <sup>SLC</sup> ~~at~~ mod phc ods; Sample time ⇒ 1231 1325 hrs

**LABORATORY REPORTS  
AND CHAIN OF CUSTODY  
DOCUMENTATION**



**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0058; Xtra Oil/ 1701 Parks St., Alameda	Date Sampled: 11/29/07
		Date Received: 11/30/07
	Client Contact: Steve Carmack	Date Reported: 12/07/07
	Client P.O.:	Date Completed: 12/07/07

**WorkOrder: 0711738**

December 07, 2007

Dear Steve:

Enclosed are:

- 1). the results of **4** analyzed samples from your **#0058; Xtra Oil/ 1701 Parks St., Alameda project,**
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius, Lab Manager

**P & D ENVIRONMENTAL, INC.**

55 Santa Clara Ave, Suite 240  
Oakland, CA 94610  
(510) 658-6916

0711738

**CHAIN OF CUSTODY RECORD**

PAGE 1 OF 1

PROJECT NUMBER: 0058		PROJECT NAME: Xtra Oil / 1701 Park St., Alameda			NUMBER OF CONTAINERS	ANALYSIS(ES):				PRESERVATIVE	REMARKS
SAMPLED BY: (PRINTED AND SIGNATURE) Steve Carnack <i>[Signature]</i>						TPH-Multitrace	MBTEX				
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION							
+ MW1	1/29/07	1310	H <sub>2</sub> O		7	X	X			ICG	Normal Turnover Time
+ MW2	↓	1200	↓		7	X	X			↓	↓
+ MW3	↓	1130	↓		7	X	X			↓	↓
+ MW4	↓	1325	↓		7	X	X			↓	↓
					9.7						
					GOOD CONDITION <input checked="" type="checkbox"/>		APPROPRIATE CONTAINERS <input checked="" type="checkbox"/>				
					HEAD SPACE ABSENT <input type="checkbox"/>		PRESERVED IN LAB <input type="checkbox"/>				
					DECHLORINATED IN LAB <input type="checkbox"/>		PRESERVATION				
					VOAS		U & G		METALS		OTHER
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 1/30/07	TIME 1254	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		TOTAL NO. OF SAMPLES (THIS SHIPMENT) 4		LABORATORY: McCampbell Analytical			
RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>		DATE 1/30/07	TIME 145	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>		TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 28		LABORATORY CONTACT: Angela Rydelius			
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)		LABORATORY PHONE NUMBER: (877) 253-9262					
					SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO						
Results and billing to: P&D Environmental, Inc. lab@pdenviro.com				REMARKS: Voas + Ambers all preserved w/ HCL							

# McC Campbell Analytical, Inc.

1534 Willow Pass Rd  
 Pittsburg, CA 94565-1701  
 (925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711738

ClientID: PDEO

EDF   
  Excel   
  Fax   
  Email   
  HardCopy   
  ThirdParty

Report to: Steve Carmack P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Email: lab@pdenviro.com TEL: (510) 658-6916    FAX: 510-834-0152 ProjectNo: #0058; Xtra Oil/ 1701 Parks St., Alamed PO:	Bill to: Accounts Payable Xtra Oil 2307 Pacific Avenue Alameda, CA 94610	Requested TAT: <b>5 days</b>  Date Received: 11/30/2007 Date Printed: 11/30/2007
--	--	--	---

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0711738-001	MW1	Water	11/29/07 1:10:00	<input type="checkbox"/>	B	A											
0711738-002	MW2	Water	11/29/07 12:00:00	<input type="checkbox"/>	B	A											
0711738-003	MW3	Water	11/29/07 11:30:00	<input type="checkbox"/>	B	A											
0711738-004	MW4	Water	11/29/07 1:25:00	<input type="checkbox"/>	B	A											

**Test Legend:**

1	G-MBTX_W	2	TPH(DMO)_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

**Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **P & D Environmental**

Date and Time Received: **11/30/07 2:09:14 PM**

Project Name: **#0058; Xtra Oil/ 1701 Parks St., Alameda**

Checklist completed and reviewed by: **Ana Venegas**

WorkOrder N°: **0711738** Matrix Water

Carrier: Rob Pringle (MAI Courier)

#### Chain of Custody (COC) Information

- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Sample IDs noted by Client on COC? Yes  No
- Date and Time of collection noted by Client on COC? Yes  No
- Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes  No  NA
- Shipping container/cooler in good condition? Yes  No
- Samples in proper containers/bottles? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 9.7°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA

-----

Client contacted:

Date contacted:

Contacted by:

Comments:





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Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental  55 Santa Clara, Ste.240  Oakland, CA 94610	Client Project ID: #0058; Xtra Oil/ 1701 Parks St., Alameda	Date Sampled: 11/29/07
		Date Received: 11/30/07
	Client Contact: Steve Carmack	Date Extracted: 12/01/07-12/03/07
	Client P.O.:	Date Analyzed 12/01/07-12/03/07

## Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE\*

Extraction method SW5030B

Analytical methods SW8021B/8015Cm

Work Order: 0711738

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001B	MW1	W	27,000,a	2600	4700	930	770	2600	10	89
002B	MW2	W	11,000,a,h	ND<50	1000	28	120	31	10	95
003B	MW3	W	ND	ND	ND	ND	ND	ND	1	93
004B	MW4	W	12,000,a	ND<180	260	230	580	2500	10	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

\* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.



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P & D Environmental  55 Santa Clara, Ste.240  Oakland, CA 94610	Client Project ID: #0058; Xtra Oil/ 1701 Parks St., Alameda	Date Sampled: 11/29/07
	Client Contact: Steve Carmack	Date Received: 11/30/07
	Client P.O.:	Date Analyzed 12/06/07-12/07/07
		Date Extracted: 11/30/07

### Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil\*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0711738

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0711738-001A	MW1	W	3100,d,b	ND	1	90
0711738-002A	MW2	W	32,000,d,a,h	11,000	1	77
0711738-003A	MW3	W	ND	ND	1	92
0711738-004A	MW4	W	2800,d	ND	1	90

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	NA	NA	mg/Kg

\* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant (cooking oil?); h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.



### QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0711738

EPA Method SW8015C		Extraction SW3510C			BatchID: 32186			Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	104	104	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	108	109	0.771	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 32186 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711738-001A	11/29/07 1:10 PM	11/30/07	12/06/07 8:41 PM	0711738-002A	11/29/07 12:00 PM	11/30/07	12/06/07 9:53 PM
0711738-003A	11/29/07 11:30 AM	11/30/07	12/06/07 11:05 PM	0711738-004A	11/29/07 1:25 PM	11/30/07	12/07/07 2:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount\ Spiked)$ ; RPD =  $100 * (MS - MSD) / ((MS + MSD) / 2)$ .

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



### QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0711738

Analyte	EPA Method SW8021B/8015Cm		Extraction SW5030B			BatchID: 32192			Spiked Sample ID: 0711738-003B			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>£</sup>	ND	60	88.9	82.3	7.78	86	91.7	6.36	70 - 130	30	70 - 130	30
MTBE	ND	10	76.4	79.9	4.52	80	85.6	6.76	70 - 130	30	70 - 130	30
Benzene	ND	10	84.2	84.5	0.348	77.9	81.5	4.44	70 - 130	30	70 - 130	30
Toluene	ND	10	90	88.6	1.54	82.5	83.9	1.62	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	94.9	93.2	1.84	88.5	91.2	3.02	70 - 130	30	70 - 130	30
Xylenes	ND	30	90	86.3	4.16	100	100	0	70 - 130	30	70 - 130	30
%SS:	93	10	107	104	3.28	91	93	2.11	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 32192 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711738-001B	11/29/07 1:10 PM	12/01/07	12/01/07 2:43 AM	0711738-002B	11/29/07 12:00 PM	12/03/07	12/03/07 10:42 PM
0711738-003B	11/29/07 11:30 AM	12/03/07	12/03/07 11:16 PM	0711738-004B	11/29/07 1:25 PM	12/01/07	12/01/07 4:29 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

# **APPENDIX A**





TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING  
XTRA OIL COMPANY SERVICE STATION  
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

WELL ID	DATE OF MONITORING/SAMPLING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet) (a)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	OTHER SVOCs (ug/l)	NAPHTHALENE (ug/l)	BENZO-PYRENE (ug/l)	DO (ppm)	LAB
MW-3	02/07/03	20.57	5.85	---	14.52	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	2.8	MCC
MW-3	05/02/03	20.57	5.75	---	14.82	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	---	MCC
MW-3	08/14/03	20.57	7.74	---	12.83	ND<50	ND<50	1.6	ND<0.5	0.82	3.2	ND<5.0	---	---	---	2.1	MCC
MW-3	11/14/03	20.57	7.75	---	12.82	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	0.8	MCC
MW-3	03/01/04	20.57	5.17	---	15.40	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	0.92	MCC
MW-3	06/30/04	(e) 20.57	7.48	---	13.09	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	0.92	MCC
MW-3	10/26/04	20.57	6.47	---	14.10	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	3.0	MCC
MW-3	03/24/05	20.57	4.70	---	15.87	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	3.0	MCC
MW-3	06/14/05	20.57	5.99	---	14.58	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	2.7	MCC
MW-3	09/12/05	20.57	7.89	---	12.68	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	3.3	MCC
MW-3	01/04/06	(g) 20.57	5.10	---	15.47	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	---	MCC
MW-3	04/04/06	(h) 20.57	4.93	---	15.64	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	---	MCC
MW-3	06/12/06	20.57	6.20	---	14.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	---	MCC
MW-3	09/08/06	20.57	7.81	---	12.76	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	---	---	---	---	MCC
MW-4	05/09/97	19.69	7.17	---	12.52	31000	15000	540	1300	1000	4500	1900	ND	2.1	ND<2	3.1	MCC/CHR
MW-4	09/11/97	19.69	7.71	---	11.98	40000	6500	2000	3100	1700	7700	3400	---	---	---	6.4	MCC
MW-4	12/15/97	19.69	7.87	---	11.82	14000	2100	910	690	390	2700	1700	---	---	---	5.5	MCC
MW-4	03/11/98	19.69	3.51	---	16.18	2800	780	68	94	72	430	140	---	---	---	6	MCC
MW-4	06/23/98	19.69	5.21	---	14.48	15000	2800	240	630	720	2700	370	---	---	---	5.4	MCC
MW-4	12/01/98	19.69	6.45	---	13.24	21000	---	580	1000	530	3600	1700	---	---	---	4.4	MCC
MW-4	03/20/99	19.69	5.41	---	14.28	41000	3600	3100	3400	1700	6700	5700	---	---	---	4.6	MCC
MW-4	08/16/99	19.69	7.35	---	12.34	24000	---	4600	940	1200	2700	9700	---	---	---	3.4	MCC
MW-4	12/31/99	19.69	7.71	---	11.98	14000	2000	510	630	600	3100	3500	---	---	---	10.1	MCC
MW-4	03/31/00	19.69	5.22	---	14.47	14000	1400	470	480	580	2200	2000	---	---	---	6.8	MCC
MW-4	07/14/00	19.69	7.31	---	12.38	37000	4300	770	1500	1800	7200	1700	---	---	---	3.3	MCC
MW-4	10/04/00	19.69	7.11	---	12.58	47000	3200	870	2000	2600	9800	ND<1500	---	---	---	1.7	MCC
MW-4	12/21/00	19.69	6.66	---	12.83	13000	1800	370	410	460	1500	---	---	88	ND<10	0.6	MCC
MW-4	04/13/01	19.69	6.02	---	13.67	20000	2800	710	640	620	2900	2300	---	---	---	1.0	MCC
MW-4	06/27/01	19.69	6.72	---	12.97	23000	2100	510	1100	1100	4300	1400	---	---	---	1.0	MCC
MW-4	09/20/01	19.69	7.30	---	12.39	36000	4400	460	1300	1700	6700	1000	---	---	---	2.0	MCC
MW-4	12/21/01	19.69	4.55	---	15.14	11000	5600	130	250	480	2400	ND<320	---	---	---	1.6	MCC
MW-4	02/04/02	19.69	5.82	---	13.87	50000	12000	3000	8100	1900	7600	ND<500	---	---	---	2.0	MCC
MW-4	05/07/02	19.69	6.08	---	13.61	17000	3200	270	820	870	3700	ND<500	---	---	---	2.6	MCC
MW-4	08/22/02	19.69	7.45	---	12.24	26000	3800	720	920	1500	6500	2100	---	---	---	4.6	MCC
MW-4	11/08/02	19.69	6.74	---	12.95	20000	3600	280	630	1200	5100	670	---	---	---	---	MCC
MW-4	02/07/03	19.69	4.86	---	14.83	13000	---	520	1300	ND<25	3600	420	---	---	---	2.1	MCC
QC-1 (c)	02/07/03	---	---	---	---	13000	---	510	1200	83	3100	420	---	---	---	---	MCC
MW-4	05/02/03	19.69	5.45	---	14.24	18000	3800	280	550	810	3600	470	---	---	---	---	MCC
MW-4	08/14/03	19.69	7.20	---	12.49	31000	4100	720	810	1300	6400	1100	---	---	---	1.2	MCC
MW-4	11/14/03	19.69	6.92	---	12.77	18000	3300	450	320	1000	4500	ND<1000	---	---	---	0.7	MCC
QC-1 (e)	11/14/03	---	---	---	---	---	---	440	310	1100	4500	---	---	---	---	---	MCC
MW-4	03/01/04	19.69	5.10	---	14.59	15000	2500	110	210	580	2700	240	---	---	---	0.61	MCC
QC-1 (e)	03/01/04	---	---	---	---	15000	---	110	220	610	2800	250	---	---	---	---	MCC
MW-4	06/30/04	(e) 19.69	6.70	---	12.99	23000	5800	330	550	1300	5200	ND<900	---	---	---	0.61	MCC
MW-4	10/26/04	19.69	6.05	---	13.64	19000	3800	150	380	950	3800	ND<300	---	---	---	2.0	MCC
MW-4	03/24/05	19.69	4.23	---	15.46	6600	1900	62	28	190	950	ND<120	---	---	---	2.0	MCC
MW-4	06/14/05	19.69	5.58	---	14.11	23000	5600	160	510	1200	4000	ND<500	---	---	---	2.1	MCC
MW-4	09/12/05	19.69	7.84	---	11.95	24000	4000	1400	640	1400	3900	1400	---	---	---	2.2	MCC
MW-4	01/04/06	(g) 19.69	4.65	---	15.04	20000	2800	740	350	930	2900	1100	---	---	---	---	MCC
MW-4	04/04/06	(h) 19.69	4.62	---	15.07	8100	2000	300	64	490	1200	530	---	---	---	---	MCC
MW-4	06/12/06	19.69	6.07	sheen	13.62	24000	4500	270	390	1300	3600	340	---	---	---	---	MCC
MW-4	09/08/06	(i) 19.69	7.42	sheen	12.27	20000	3100	1700	240	930	2000	1800	---	---	---	---	MCC
QC-2 (f)	11/04/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	02/24/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	05/25/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	08/30/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	11/16/95	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	03/20/96	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC
QC-2 (f)	06/13/96	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	---	MCC

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline using EPA Methods 5030/8015
TPH-D	Total petroleum hydrocarbons as diesel using EPA Methods 3510/8015
B	Benzene using EPA Methods 5030/8020
T	Toluene using EPA Methods 5030/8020
E	Ethylbenzene using EPA Methods 5030/8020
X	Total xylenes using EPA Methods 5030/8020
MTBE	Methyl tert butyl ether using EPA Methods 5030/8020
SVOCs	Semivolatile organic compounds using EPA Method 8270
DO	Dissolved oxygen
ug/l	Micrograms per liter
ppm	Parts per million
---	Not analyzed/applicable/measurable
ND	Not detected above reported detection limit
MCC	McCampbell Analytical, Inc.
CHR	Chromatlab, Inc.

NOTES:

(a)	Top of casing surveyed relative to mean sea level.
(b)	Groundwater elevations expressed in feet above mean sea level, and adjusted assuming a specific gravity of 0.75 for free product.
(c)	Blind duplicate.
(d)	Other SVOCs detected at concentrations of 200 ug/l 2-methylnaphthalene and 14 ug/l phenanthrene
(e)	Wells monitored 6/15/04.
(f)	Travel blank.
(g)	4th Quarter 2005 sampling
(h)	1st Quarter 2006 sampling
(i)	Well recharge was exceeding slow; not to be used in prepaying contours



## **APPENDIX B**

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
(Page 1 of 20)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	09/12/94	17.35	7.11	10.24	NLPH	---	1,600a	---	---	200	1.9	210	6.6
MW1	10/01/94	17.35	7.44	9.91	NLPH	---	1,400a	---	---	200	<0.5	160	6.6
MW1	01/13/95	17.35	5.13	12.22	NLPH	---	2,100a	---	---	410b	17	280b	89
MW1	04/27/95	17.35	6.57	10.78	NLPH	---	4,700	---	---	460	41	340	270
MW1	08/03/95	17.35	7.46	9.89	NLPH	---	1,900	30	---	140	<5.0	160	9.9
MW1	10/17/95	17.35	7.67	9.68	NLPH	---	280	5.5	---	6.2	<0.5	13	0.75
MW1	01/24/96	17.35	6.52	10.83	NLPH	---	740	440	---	21	1.4	38	3.1
MW1	04/24/96	17.35	5.95	11.40	NLPH	---	7,800	250	---	200	110	1,000	740
MW1	07/26/96	17.35	7.60	9.75	NLPH	---	620	23	---	8.0	0.99	26	1.0
MW1	10/30/96	17.35	8.06	9.29	NLPH	---	700	33	---	14	2.9	85	3.5
MW1	01/31/97	17.35	5.12	12.23	NLPH	---	7,600	<200	---	420	33	1,400	480
MW1	04/10/97	17.35	---	---	---	---	---	---	---	---	---	---	---
MW1	07/10/97	17.35	7.54	9.81	NLPH	---	580	12	---	10	<0.5	<0.5	<0.5
MW1	10/08/97	17.35	---	---	---	---	---	---	---	---	---	---	---
MW1	01/28/98	17.35	4.48	12.87	NLPH	---	820	---	<2.5	110	2.8	170	14
MW1	04/14/98	17.35	4.69	12.66	---	---	---	---	---	---	---	---	---
MW1	07/30/98	17.35	6.19	11.16	NLPH	---	2,700	41	---	210	<5.0	550	<5.0
MW1	10/19/98	17.35	6.72	10.63	NLPH	---	---	---	---	---	---	---	---
MW1	01/13/99	17.35	6.52	10.83	NLPH	---	491	9.78	---	8.0	<0.5	<0.5	<0.5
MW1	04/28/99	17.35	5.37	11.98	---	---	---	---	---	---	---	---	---
MW1	07/09/99	17.35	6.39	10.96	NLPH	---	1,030	10.6	---	114	8.07	184	0.644
MW1	10/25/99	17.35	6.68	10.67	NLPH	---	---	---	---	---	---	---	---
MW1	01/21/00	17.35	6.20	11.15	NLPH	---	<50	5.1	---	<1.0	<1.0	<1.0	<1.0
MW1	04/14/00	17.35	5.18	12.17	NLPH	---	---	---	---	---	---	---	---
MW1	06/16/00	17.35	Property transferred to Valero Refining Company.										
MW1	07/05/00	17.35	5.93	11.42	NLPH	---	88	200	---	4.3	<0.5	0.61	<0.5
MW1	10/03/00	17.35	6.51	10.84	NLPH	---	<50	240	---	0.72	<0.5	<0.5	<0.5
MW1	01/02/01	17.35	6.17	11.18	NLPH	---	<50	68	---	0.75	<0.5	<0.5	<0.5
MW1	04/02/01	17.35	7.42	9.93	NLPH	---	140	4.3	---	<0.5	<0.5	4.1	1.1
MW1	07/02/01	17.35	6.27	11.08	NLPH	---	74	14	---	<0.5	<0.5	<0.5	<0.5
MW1	10/15/01	17.35	6.64	10.71	NLPH	---	110	83	---	2.6	<0.5	<0.5	<0.5
MW1	Nov-01	17.29	Well surveyed in compliance with AB 2886 requirements.										
MW1	02/04/02	17.29	5.08	12.21	NLPH	52.0	75.0	67.1	---	0.70	<0.50	0.50	<0.50
MW1	05/06/02	17.29	5.48	11.81	NLPH	129	793	702	1,004	8.6	<0.5	0.5	1.1
MW1	08/22/02	17.29	7.14	10.15	NLPH	602	1,150	181	---	120	0.8	9.0	3.6
MW1	11/08/02	17.29	6.19	11.10	NLPH	504	947	182	---	95.6	4.0	3.7	2.7
MW1	02/07/03	17.29	6.00	11.29	NLPH	610	1,190	284	---	89.7	3.8	45.3	13.2
MW1	05/02/03	17.29	5.76	11.53	NLPH	797	1,020	296	---	75.8	9.0	5.7	11.9
MW1	08/14/03	17.29	7.04	10.25	NLPH	531d	822	201	---	33.9	2.8	1.5	1.9
MW1	11/14/03	17.29	6.41	10.88	NLPH	560d	574	276	---	19.8	1.8	2.0	2.2
MW1	03/01/04	17.29	4.63	12.66	NLPH	785d	1,430	---	895	46.2	3.1	14.2	9.2
MW1	06/15/04	17.29	6.05	11.24	NLPH	204d	621	668	---	11.1	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	09/13/04	17.29	6.62	10.67	NLPH	221d	754	479	---	34.4	1.5	1.1	1.2
MW1	12/22/04	17.29	5.67	11.62	NLPH	288d, f	775	253	---	38.8	1.0	1.8	0.8
MW1	03/24/05	17.29	4.63	12.66	NLPH	471d	952	---	120	41.6	1.4	12.8	6.0
MW1	06/14/05	17.29	5.55	11.74	NLPH	695d	605	---	91	37.9	2.5	2.6	2.5
MW1	09/12/05	17.29	8.16	9.13	NLPH	280d	1,410	---	4,780	1.43	<0.50	0.82	1.08
MW1	12/13/05	17.29	6.86	10.43	NLPH	182d	4,610	---	6000h	2.35	0.71	<0.50	<0.50
MW1	03/13/06	17.29	6.31	10.98	NLPH	470d	6,800i	---	4,600	70	<25	76	56
MW1	06/12/06	17.29	2.01	15.28	NLPH	300d,f	16,000i	---	16,000	<50	<50	<50	<50
MW1	09/08/06	17.29	6.61	10.68	NLPH	62d	4,200i	---	4,700	<25	<25	<25	<25
MW1	12/05/06	17.29	7.94	9.35	NLPH	<47	6,300i	---	9,300	<25	<25	<25	<25
MW1	03/12/07	17.29	5.53	11.76	NLPH	120d	3,300i	---	3,400	<25	<25	<25	<25
MW1	05/29/07	17.29	7.15	10.14	NLPH	277d	2,680	---	3,550	2.86	0.97	1.70	3.71f
MW1	08/29/07	17.29	7.44	9.85	NLPH	94d	3,500i	---	3,100	<25	<25	<25	<25
<b>MW1</b>	<b>11/29/07</b>	<b>17.29</b>	<b>7.04</b>	<b>10.25</b>	<b>NLPH</b>	<b>58d</b>	<b>3,600i</b>	<b>---</b>	<b>5,000</b>	<b>&lt;25</b>	<b>&lt;25</b>	<b>&lt;25</b>	<b>&lt;25</b>
MW2	09/12/94	16.67	6.71	9.96	NLPH	---	31,000a	---	---	4,400	120	1,700	2,100
MW2	10/01/94	16.67	7.22	9.45	NLPH	---	45,000a	---	---	4,500	250	1,800	2,400
MW2	01/13/95	16.67	4.46	12.21	NLPH	---	---	---	---	---	---	---	---
MW2	04/27/95	16.67	6.92	9.75	NLPH	---	44,000	---	---	7,000	840	2,400	3,400
MW2	08/03/95	16.67	6.96	9.71	NLPH	---	30,000	37,000	---	4,600	170	1,600	1,100
MW2	10/17/95	16.67	7.83	8.84	NLPH	---	45,000	14,000	---	5,400	190	2,000	1,500
MW2	01/24/96	16.67	6.45	10.22	NLPH	---	30,000	4,100	---	5,000	810	2,200	2,200
MW2	04/24/96	16.67	6.00	10.67	NLPH	---	34,000	22,000	---	8,700	410	2,200	2,000
MW2	07/26/96	16.67	7.14	9.53	NLPH	---	40,000	18,000	---	10,000	<200	1,800	760
MW2	10/30/96	16.67	6.95	9.72	NLPH	---	43,000	18,000	---	9,100	<250	2,400	730
MW2	01/31/97	16.67	5.07	11.60	NLPH	---	28,000	8,000	---	2,400	630	1,500	3,300
MW2	04/10/97	16.67	---	---	---	---	---	---	---	---	---	---	---
MW2	07/10/97	16.67	7.34	9.33	NLPH	---	18,000	2,600	---	2,900	82	1,500	530
MW2	10/08/97	16.67	---	---	---	---	---	---	---	---	---	---	---
MW2	01/28/98	16.67	4.46	12.21	NLPH	---	29,000	---	28,000	5,600	410	1,500	720
MW2	04/14/98	16.67	4.48	12.19	---	---	---	---	---	---	---	---	---
MW2	07/30/98	16.67	6.01	10.66	NLPH	---	24,000	6,300	---	7,500	<200	1,300	280
MW2	10/19/98	16.67	6.35	10.32	NLPH	---	---	---	---	---	---	---	---
MW2	01/13/99	16.67	6.54	10.13	NLPH	---	18,400	2,200	---	4,750	211	1,760	45.3
MW2	04/28/99	16.67	5.54	11.13	---	---	---	---	---	---	---	---	---
MW2	07/09/99	16.67	6.45	10.22	NLPH	---	14,100	3,410	---	4,270	80.1	1,300	339
MW2	10/25/99	16.67	---	---	---	---	---	---	---	---	---	---	---
MW2	01/21/00	16.67	---	---	---	---	---	---	---	---	---	---	---
MW2	02/11/00	16.67	---	---	NLPH	---	<50	15	---	<1.0	<1.0	<1.0	<1.0
MW2	04/14/00	16.67	4.69	11.98	NLPH	---	---	---	---	---	---	---	---
MW2	06/16/00	16.67	Property transferred to Valero Refining Company.										
MW2	07/05/00	16.67	5.44	11.23	NLPH	---	150	86	---	15	<0.5	6.2	2.8
MW2	10/03/00	16.67	6.31	10.36	NLPH	---	200	2,500	---	35	0.51	5.1	12



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
(Page 4 of 20)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	10/08/97	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	01/28/98	17.11	4.03	13.08	NLPH	---	---	---	---	---	---	---	---
MW3	04/14/98	17.11	3.80	13.31	NLPH	---	---	---	---	---	---	---	---
MW3	07/30/98	17.11	5.84	11.27	NLPH	---	---	---	---	---	---	---	---
MW3	10/19/98	17.11	6.25	10.86	NLPH	---	---	---	---	---	---	---	---
MW3	01/13/99	17.11	6.14	10.97	NLPH	---	---	---	---	---	---	---	---
MW3	04/28/99	17.11	4.95	12.16	---	---	---	---	---	---	---	---	---
MW3	07/09/99	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	10/25/99	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	01/21/00	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	04/14/00	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	06/16/00	17.11	Property transferred to Valero Refining Company.										
MW3	07/05/00	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	10/03/00	17.11	---	---	---	---	---	---	---	---	---	---	---
MW3	01/02/01	17.11	5.78	11.33	NLPH	560c	2,700	3,100	---	1300	8.8	11	21.3
MW3	04/02/01	17.11	4.71	12.40	NLPH	620	3,700	1,400	---	1,400	11	36	21
MW3	07/02/01	17.11	5.82	11.29	NLPH	880	5,300	1,200	---	1,300	32	30	730
MW3	10/15/01	17.11	6.12	10.99	NLPH	210d	2,300	1,800	---	630	2.5	8.2	3.34
MW3	Nov-01	17.02	Well surveyed in compliance with AB 2886 requirements.										
MW3	02/04/02	17.02	4.59	12.43	NLPH	402	8,830	1,420	---	2,300	166	150	158
MW3	05/06/02	17.02	4.84	12.18	NLPH	1,300	7,950	544	967	1,930	18.0	80.0	648
MW3	08/22/02	17.02	6.42	10.60	NLPH	416	2,270	298	---	506	3.5	8.0	6.5
MW3	11/08/02	17.02	5.66	11.36	NLPH	193	1,640	470	---	330	1.8	4.9	2.7
MW3	02/07/03	17.02	4.99	12.03	NLPH	800	1,360	662	---	328	6.5	9.0	35.0
MW3	05/02/03	17.02	4.73	12.29	NLPH	562	2,500	300	---	306	4.8	17.5	29.1
MW3	08/14/03	17.02	6.02	11.00	NLPH	227d	2,040	367	---	356	3.4	3.9	3.2
MW3	11/14/03	17.02	6.01	11.01	NLPH	280d	1,880	794	---	244	2.6	3.7	4.5
MW3	03/01/04	17.02	3.71	13.31	NLPH	484d	3,660	---	288	865	11.5	22.5	20.5
MW3	06/15/04	17.02	5.28	11.74	NLPH	866d	9,980	180	---	1,120	82.0	86.0	1,740
MW3	09/13/04	17.02	5.91	11.11	NLPH	390d	1,640	183	---	454	4.8	6.7	6.8
MW3	12/22/04	17.02	4.88	12.14	NLPH	209d,f	1,770	44.9	---	230	2.8	8.2	9.2
MW3	03/24/05	17.02	3.59	13.43	NLPH	808d	4,800	---	128	930	45.1	59.6	425
MW3	06/14/05	17.02	4.71	12.31	NLPH	1,440d	6,080	---	144	1,330	34.0	39.0	217
MW3	09/12/05	17.02	7.03	9.99	NLPH	417d	1,480	---	114	447	4.48	8.40	13.9
MW3	12/13/05	17.02	5.89	11.13	NLPH	317d	1,160	---	26.5	218	2.19	3.87	6.70
MW3	03/13/06	17.02	4.41	12.61	NLPH	640d	2,800	---	45	830	12	10	17
MW3	06/12/06	17.02	5.41	11.61	NLPH	620d,f	4,800	---	43	580	20	42	480
MW3	09/08/06	17.02	6.16	10.86	NLPH	130d	810	---	22	130	<2.5	<2.5	<2.5
MW3	12/05/06	17.02	6.61	10.41	NLPH	110d	720	---	16	100	<2.5	<2.5	<2.5
MW3	03/12/07	17.02	4.70	12.32	NLPH	160d	720	---	12	79	<2.5	4.1	4.4
MW3	05/29/07	17.02	5.87	11.15	NLPH	195d	782	---	14.7	109	1.76	1.89	2.79f
MW3	08/29/07	17.02	6.64	10.38	NLPH	100d	530	---	10	64	<2.5	<2.5	<2.5
<b>MW3</b>	<b>11/29/07</b>	<b>17.02</b>	<b>6.32</b>	<b>10.70</b>	<b>NLPH</b>	<b>100d</b>	<b>560</b>	<b>---</b>	<b>9.8</b>	<b>72</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	09/12/94	17.34	6.80	10.54	NLPH	---	5,200a	---	---	900	57	310	490
MW4	10/01/94	17.34	7.09	10.25	NLPH	---	9,100a	---	---	1,200	66	360	380
MW4	01/13/95	17.34	4.66	12.68	NLPH	---	25,000a	---	---	1,300	200	550	1,000
MW4	04/27/95	17.34	5.54	11.80	NLPH	---	5,900	---	---	650	130	350	590
MW4	08/03/95	17.34	6.92	10.42	NLPH	---	4,200	5,700	---	1,000	<12	170	140
MW4	10/17/95	17.34	7.50	9.84	NLPH	---	6,900	1,700	---	1,300	30	360	380
MW4	01/24/96	17.34	5.81	11.53	NLPH	---	6,300	830	---	1,900	46	290	330
MW4	04/24/96	17.34	5.44	11.90	NLPH	---	5,000	1,600	---	1,800	<20	190	130
MW4	07/26/96	17.34	7.03	10.31	NLPH	---	9,100	1,200	---	1,700	<25	340	280
MW4	10/30/96	17.34	7.57	9.77	NLPH	---	5,300	1,500	---	1,100	35	420	300
MW4	01/31/97	17.34	4.22	13.12	NLPH	---	6,500	40,000	---	1,200	28	490	130
MW4	04/10/97	17.34	---	---	---	---	---	---	---	---	---	---	---
MW4	07/10/97	17.34	7.56	9.78	NLPH	---	10,000	11,000	---	1,100	120	470	720
MW4	10/08/97	17.34	---	---	---	---	---	---	---	---	---	---	---
MW4	01/28/98	17.34	3.70	13.64	NLPH	---	1,700	---	4,900	450	6.8	220	73
MW4	04/14/98	17.34	3.81	13.53	---	---	---	---	---	---	---	---	---
MW4	07/30/98	17.34	5.96	11.38	NLPH	---	2,900	2,800	---	680	<10	220	56
MW4	10/19/98	17.34	6.51	10.83	NLPH	---	---	---	---	---	---	---	---
MW4	01/13/99	17.34	6.24	11.10	NLPH	---	2,140	1,800	---	146	<10	60.9	16.2
MW4	04/28/99	17.34	4.80	12.54	---	---	---	---	---	---	---	---	---
MW4	07/09/99	17.34	6.04	11.30	NLPH	---	1,300	1,310	---	322	<2.5	76.1	<2.5
MW4	10/25/99	17.34	6.51	10.83	NLPH	---	---	---	---	---	---	---	---
MW4	01/21/00	17.34	5.75	11.59	NLPH	---	2,200	1,000	---	410	3.70	40	14.4
MW4	04/14/00	17.34	4.39	12.95	NLPH	---	---	---	---	---	---	---	---
MW4	06/16/00	17.34	Property transferred to Valero Refining Company.										
MW4	07/05/00	17.34	5.48	11.86	NLPH	---	1,600	260	---	400	3.9	100	84
MW4	10/03/00	17.34	6.22	11.12	NLPH	---	1,600	190	---	280	2	64	34.10
MW4	01/02/01	17.34	5.93	11.41	NLPH	---	840	1,000	---	210	2.5	45	28.10
MW4	04/02/01	17.34	4.89	12.45	NLPH	---	1,900	320	---	340	8.5	110	116
MW4	07/02/01	17.34	5.83	11.51	NLPH	---	100	<2	---	3.9	<0.5	0.65	<0.5
MW4	10/15/01	17.34	6.36	10.98	NLPH	---	930	360	---	140	7	24	10
MW4	Nov-01	17.29	Well surveyed in compliance with AB 2886 requirements.										
MW4	02/04/02	17.29	4.35	12.94	NLPH	774	1,250	46.1	---	124	4.40	46.7	43.5
MW4	05/06/02	17.29	4.95	12.34	NLPH	776	2,040	1,410	2,120	165	5.0	42.0	39.0
MW4	08/22/02	17.29	6.65	10.64	NLPH	445	1,570	1,070	---	73.3	<0.5	9.9	6.8
MW4	11/08/02	17.29	5.60	11.69	NLPH	680	2,340	1,200	---	169	4.3	34.9	23.3
MW4	02/07/03	17.29	4.97	12.32	NLPH	429	2,250	672	---	125	24.9	60.0	109
MW4	05/02/03	17.29	4.92	12.37	NLPH	631	2,450	1,230	---	82.9	2.8	26.4	24.7
MW4	08/14/03	17.29	6.35	10.94	NLPH	444	1,160	286	---	97.0	2.8	14.6	7.4
MW4	11/14/03 e	17.29	---	---	---	---	---	---	---	---	---	---	---
MW4	03/01/04	17.29	3.65	13.64	NLPH	571d	1,860	---	66.7	104	4.4	38.3	25.4
MW4	06/15/04	17.29	5.60	11.69	NLPH	453d	632	35.0	---	63.8	1.6	7.3	5.9

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	09/13/04	17.29	6.23	11.06	NLPH	444d	1,120	93.4	---	126	3.9	17.8	9.7
MW4	12/22/04	17.29	5.01	12.28	NLPH	561d,f	1,600	31.2	---	105	3.9	24.8	13.3
MW4	03/24/05	17.29	3.64	13.65	NLPH	756d	2,120	---	255	94.9	4.9	44.6	32.3
MW4	06/14/05	17.29	4.84	12.45	NLPH	992d	1,760	---	20.3	105	5.2	25.2	15.1
MW4	09/12/05	17.29	7.41	9.88	NLPH	351d	922	---	524	48.2	<0.50	1.63	1.70
MW4	12/13/05	17.29	6.18	11.11	NLPH	728d	1,970	---	836h	144	4.63	15.9	8.64
MW4	03/13/06	17.29	4.71	12.58	NLPH	590d	1,400	---	16	84	2.7	22	15
MW4	06/12/06	17.29	5.88	11.41	NLPH	330d,f	840	---	11	83	3.0	9.8	11
MW4	09/08/06	17.29	6.48	10.81	NLPH	320d	1,000	---	65	88	3.4	6.1	3.6
MW4	12/05/06	17.29	7.15	10.14	NLPH	240d	680	---	78	43	<2.5	3.2	<2.5
MW4	03/12/07	17.29	4.62	12.67	NLPH	390d	1,200	---	44	57	1.8	11	7.4
MW4	05/29/07	17.29	6.32	10.97	NLPH	772d	531	---	8.65	51.6	2.39	6.59	4.63f
MW4	08/29/07	17.29	7.02	10.27	NLPH	250d	470	---	6.8	40	<2.5	4.2	3.0
<b>MW4</b>	<b>11/29/07</b>	<b>17.29</b>	<b>6.61</b>	<b>10.68</b>	<b>NLPH</b>	<b>320d</b>	<b>680</b>	<b>---</b>	<b>5.1</b>	<b>46</b>	<b>&lt;2.5</b>	<b>6.8</b>	<b>4.2</b>
MW5	09/12/94	16.71	7.12	9.59	NLPH	---	10,000a	---	---	2,300	17	320	230
MW5	10/01/94	16.71	7.06	9.65	Sheen	---	11,000a	---	---	2,300	19	220	200
MW5	01/13/95	16.71	4.85	11.86	Sheen	---	---	---	---	---	---	---	---
MW5	04/27/95	16.71	6.51	10.20	NLPH	---	14,000	---	---	2,200	72	540	350
MW5	08/03/95	16.71	7.24	9.47	NLPH	---	<10,000	39,000	---	2,100	<100	210	<100
MW5	10/17/95	16.71	7.80	8.91	NLPH	---	13,000	38,000	---	1,800	14	240	170
MW5	01/24/96	16.71	6.66	10.05	NLPH	---	10,000	20,000	---	2,400	79	340	190
MW5	04/24/96	16.71	5.80	10.91	NLPH	---	13,000	33,000	---	3,700	120	520	170
MW5	07/26/96	16.71	7.67	9.04	NLPH	---	15,000	140,000	---	3,400	53	280	76
MW5	10/30/96	16.71	7.77	8.94	NLPH	---	10,000	110,000a	---	2,600	76	260	150
MW5	01/31/97	16.71	4.90	11.81	NLPH	---	10,000	---	34,000	2,400	66	430	140
MW5	04/10/97	16.71	---	---	---	---	---	---	---	---	---	---	---
MW5	07/10/97	16.71	7.65	9.06	NLPH	---	9,800	36,000	52,000	1,400	120	190	120
MW5	10/08/97	16.71	---	---	---	---	---	---	---	---	---	---	---
MW5	01/28/98	16.71	3.95	12.76	NLPH	---	6,500	---	15,000	1,500	34	73	57
MW5	04/14/98	16.71	4.30	12.41	---	---	---	---	---	---	---	---	---
MW5	07/30/98	16.71	5.86	10.85	NLPH	---	8,300	4,300	---	1,700	26	110	66
MW5	10/19/98	16.71	6.20	10.51	NLPH	---	---	---	---	---	---	---	---
MW5	01/13/99	16.71	6.37	10.34	NLPH	---	4,780	3,650	---	1,240	11.1	<10	<10
MW5	04/28/99	16.71	5.25	11.46	---	---	---	---	---	---	---	---	---
MW5	07/09/99	16.71	6.08	10.63	NLPH	---	4,360	2,360	---	1,780	18.6	45	<5.0
MW5	10/25/99	16.71	6.46	10.25	NLPH	---	---	---	---	---	---	---	---
MW5	01/21/00	16.71	5.79	10.92	NLPH	---	2,600	3,100	---	720	4.7	25	11.3
MW5	04/14/00	16.71	4.57	12.14	NLPH	---	---	---	---	---	---	---	---
MW5	06/16/00	16.71	Property transferred to Valero Refining Company.										
MW5	07/05/00	16.71	5.37	11.34	NLPH	---	5,100	380	---	1,800	14	52	34
MW5	10/03/00	16.71	5.93	10.78	NLPH	---	5,800	630	---	2,000	8.9	59	21
MW5	01/02/01	16.71	5.68	11.03	NLPH	---	4,800	1,100	---	1,600	9.6	38	15

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5	04/02/01	16.71	4.87	11.84	NLPH	---	6,800	1,500	---	2,000	40	150	49
MW5	07/02/01	16.71	5.77	10.94	NLPH	---	4,100	960	---	1,600	20	35	21
MW5	10/15/01	16.71	6.15	10.56	NLPH	---	3,900	1,000	---	1,400	8.7	17	15.7
MW5	Nov-01	16.64	Well surveyed in compliance with AB 2886 requirements.										
MW5	02/04/02	16.64	4.69	11.95	NLPH	976	4,380	620	---	1,440	38.0	84.0	50.0
MW5	05/06/02	16.64	5.00	11.64	NLPH	1,360	3,810	764	1,220	1,110	20.0	26.0	26.0
MW5	08/22/02	16.64	6.98	9.66	NLPH	695	3,190	545	---	823	9.0	11.0	31.0
MW5	11/08/02	16.64	5.31	11.33	NLPH	645	3,360	746	---	1,050	9.4	11.1	17.8
MW5	02/07/03	16.64	5.75	10.89	NLPH	689	3,550	400	---	1,100	25.0	65.0	29.0
MW5	05/02/03	16.64	5.34	11.30	NLPH	934	4,070	439	---	818	16.9	31.9	28.6
MW5	08/14/03	16.64	6.37	10.27	NLPH	988d	3,860	286	---	912	15.6	16.2	24.0
MW5	11/14/03	16.64	6.01	10.63	NLPH	1,000d	3,450	198	---	841	15.0	14.8	17.4
MW5	03/01/04	16.64	4.04	12.60	NLPH	711d	3,160	---	52.7	767	21.5	32.5	26.5
MW5	06/15/04	16.64	5.47	11.17	NLPH	600d	4,520	52.0	---	930	14.5	17.5	24.5
MW5	09/13/04	16.64	5.99	10.65	NLPH	686d	3,960	70.0	---	998	12.0	14.0	20.0
MW5	12/22/04	16.64	5.08	11.56	NLPH	1,200d, f	3,110	52.6	---	1,000	58.5	91.9	90.3
MW5	03/24/05	16.64	3.85	12.79	NLPH	1,240d	3,370	---	30.7	962	24.3	80.5	80.0
MW5	06/14/05	16.64	4.92	11.72	NLPH	1,640d	4,210	---	28.1	976	25.0	51.0	64.0
MW5	09/12/05	16.64	7.86	8.78	NLPH	780d	1,130	---	23.4	481	6.44	4.94	10.1
MW5	12/13/05	16.64	6.22	10.42	NLPH	1,090d	2,210	---	18.7	698	8.07	9.59	8.15
MW5	03/13/06	16.64	5.52	11.12	NLPH	770d	3,000	---	10	510	17	63	37
MW5	06/12/06	16.64	6.42	10.22	NLPH	490d,f	2,200	---	6.8	290	14	22	40
MW5	09/08/06	16.64	6.07	10.57	NLPH	600d	2,300	---	7.9	360	<10	<10	<10
MW5	12/05/06	16.64	7.71	8.93	NLPH	710d	1,900	---	7.1	300	6.3	<5.0	5.7
MW5	03/12/07	16.64	4.95	11.69	NLPH	630d	2,300	---	5.5	310	23	32	37
MW5	05/29/07	16.64	6.51	10.13	NLPH	1,710d	2,880	---	5.24	438	18.3	19.3	45.6f
MW5	08/29/07	16.64	7.03	9.61	NLPH	590d	2,000	---	6.3	220	<5.0	<5.0	9.0
<b>MW5</b>	<b>11/29/07</b>	<b>16.64</b>	<b>6.67</b>	<b>9.97</b>	<b>NLPH</b>	<b>480d</b>	<b>1,400</b>	<b>---</b>	<b>4.8</b>	<b>150</b>	<b>7.2</b>	<b>&lt;5.0</b>	<b>6.9</b>
MW6	09/12/94	17.56	6.88	10.68	NLPH	---	1,500a	---	---	150	4.4	170	85
MW6	10/01/94	17.56	7.15	10.41	NLPH	---	87a	---	---	120	<0.5	99	38
MW6	01/13/95	17.56	4.80	12.76	NLPH	---	9,900a	---	---	710	220	780	1,100
MW6	04/27/95	17.56	6.14	11.42	NLPH	---	3,900	---	---	340	40	460	320
MW6	08/03/95	17.56	6.83	10.73	NLPH	---	1,100	65	---	89	<2.5	110	63
MW6	10/17/95	17.56	7.66	9.90	NLPH	---	8,500	<5.0	---	410	74	850	110
MW6	01/24/96	17.56	5.86	11.70	NLPH	---	31,000	<5.0	---	560	1,500	2,200	7,500
MW6	04/24/96	17.56	5.39	12.17	NLPH	---	15,000	280	---	460	570	1,400	3,300
MW6	07/26/96	17.56	6.97	10.59	NLPH	---	27,000	1,300	---	270	660	1,600	5,500
MW6	10/30/96	17.56	7.45	10.11	NLPH	---	28,000	900	---	490	440	1,800	6,200
MW6	01/31/97	17.56	4.30	13.26	NLPH	---	7,000	770	---	190	1,000	380	1,400
MW6	04/10/97	17.56	---	---	---	---	---	---	---	---	---	---	---
MW6	07/10/97	17.56	7.57	9.99	NLPH	---	6,800	1,100	---	200	<50	300	860
MW6	10/08/97	17.56	7.48	10.08	NLPH	---	51,000	580	---	870	7,300	2,600	12,000



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	01/28/98	17.56	3.74	13.82	NLPH	---	15,000	---	2,400	650	2,300	900	2,700
MW6	04/14/98	17.56	3.92	13.64	NLPH	---	25,000	---	2,100	850	3,300	1,200	4,300
MW6	07/30/98	17.56	6.09	11.47	NLPH	---	5,900	910	---	270	65	500	630
MW6	10/19/98	17.56	6.56	11.00	NLPH	---	---	---	---	---	---	---	---
MW6	01/13/99	17.56	6.35	11.21	NLPH	---	3,150	422	---	204	107	297	304
MW6	04/28/99	17.56	4.89	12.67	NLPH	---	15,300	---	436	1,270	980	1,100	3,320
MW6	07/09/99	17.56	6.07	11.49	NLPH	---	1,140	439	---	121	9.95	160	4.69
MW6	10/25/99	17.56	6.11	11.45	NLPH	---	2,200	3,400	---	590	<10	22	12.1
MW6	01/21/00	17.56	5.86	11.70	NLPH	---	1,300	1,000	---	95	15	94	74
MW6	04/14/00	17.56	4.29	13.27	NLPH	---	13,000	420	---	440	630	840	3,000
MW6	06/16/00	17.56	Property transferred to Valero Refining Company.										
MW6	07/05/00	17.56	5.39	12.17	NLPH	---	5,800	830	---	1,000	13	550	798
MW6	10/03/00	17.56	6.14	11.42	NLPH	---	490	3,800	---	61	<0.5	74	12
MW6	01/02/01	17.56	---	---	---	---	---	---	---	---	---	---	---
MW6	04/02/01	17.56	4.70	12.86	NLPH	400	16,000	450	---	370	690	870	3,200
MW6	07/02/01	17.56	8.73	8.83	NLPH	520	3,700	2,000	---	330	<5	160	32
MW6	10/15/01	17.56	6.24	11.32	NLPH	1,100d	27,000	790	---	<12	<12	<12	<12
MW6	Nov-01	17.31	Well surveyed in compliance with AB 2886 requirements.										
MW6	02/04/02	17.31	4.24	13.07	NLPH	168	14,800	545	---	425	120	1,480	4,030
MW6	05/06/02	17.31	4.83	12.48	NLPH	1,540	8,580	380	522.0	988	24.0	866	1,080
MW6	08/22/02	17.31	6.49	10.82	NLPH	10,400	4,050	716	---	44.5	11.5	460	270
MW6	11/08/02	17.31	5.49	11.82	NLPH	822	5,640	1,150	---	49.3	42.7	586	858
MW6	02/07/03	17.31	4.89	12.42	NLPH	1,590	14,300	572	---	134	393	1,000	3,720
MW6	05/02/03	17.31	4.68	12.63	NLPH	1,550	8,880	1,560	---	92.0	167	672	1,530
MW6	08/14/03	17.31	6.15	11.16	NLPH	666d	6,560	3,780	---	28.2	5.3	133	184
MW6	11/14/03	17.31	6.03	11.28	NLPH	338d	5,370	4,520	---	26.4	3.1	44.9	45.0
MW6	03/01/04	17.31	3.60	13.71	NLPH	1,630d	9,020	---	134	223	265	546	1,700
MW6	06/15/04	17.31	5.41	11.90	NLPH	521d	6,920	3,470	---	300	10.0	97.0	173
MW6	09/13/04	17.31	6.06	11.25	NLPH	122d	1,010	733	---	23	<5.0	11.0	<5.0
MW6	12/22/04	17.31	4.98	12.33	NLPH	884d,f	4,050	75.4	---	101	169	208	980
MW6	03/24/05	17.31	3.59	13.72	NLPH	1,310d	7,650	---	129	460	46.0	365	1,240
MW6	06/14/05	17.31	4.67	12.64	NLPH	895d	1,940	---	153	195	7.6	26.3	18.3
MW6	09/12/05	17.31	7.12	10.19	NLPH	182d	560	---	286	10.2	<0.50	<0.50	<0.50
MW6	12/13/05	17.31	5.98	11.33	NLPH	212d	397	---	88.1	12.6	2.64	3.31	4.58
MW6	03/13/06	17.31	4.28	13.03	NLPH	850d	4,300	---	110	440	40	130	900
MW6	06/12/06	17.31	5.40	11.91	NLPH	350d,f	1,600	---	<5.0	120	<10	<10	31
MW6	09/08/06	17.31	6.34	10.97	NLPH	66d	290	---	16	4.0	<0.50	<0.50	<0.50
MW6	12/05/06	17.31	6.74	10.57	NLPH	75d	260	---	23	3.5	<0.50	<0.50	1.8
MW6	03/12/07	17.31	4.71	12.60	NLPH	170d	890	---	11	12	2.8	12	88
MW6	05/29/07	17.31	5.96	11.35	NLPH	169d	318	---	7.08	7.77	1.03	<0.50	0.98f
MW6	08/29/07	17.31	6.80	10.51	NLPH	60d	170	---	<2.5	3.1	<0.50	<0.50	<0.50
<b>MW6</b>	<b>11/29/07</b>	<b>17.31</b>	<b>6.46</b>	<b>10.85</b>	<b>NLPH</b>	<b>&lt;47</b>	<b>180</b>	<b>---</b>	<b>&lt;2.5</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	09/12/94	17.12	6.43	10.69	NLPH	---	6,000a	---	---	490	50	280	70
MW7	10/01/94	17.12	6.71	10.41	NLPH	---	8,900a	---	---	940	670	310	160
MW7	01/13/95	17.12	4.29	12.83	NLPH	---	20,000a	---	---	590	780	970	4,200
MW7	04/27/95	17.12	5.00	12.12	NLPH	---	8,800	---	---	410	32	410	230
MW7	08/03/95	17.12	6.53	10.59	NLPH	---	4,900	17,000	---	390	<50	290	<50
MW7	10/17/95	17.12	7.23	9.89	NLPH	---	6,700	17,000	---	530	26	240	25
MW7	01/24/96	17.12	5.26	11.86	NLPH	---	9,300	60,000	---	2,000	390	350	230
MW7	04/24/96	17.12	5.06	12.06	NLPH	---	9,000	360,000	---	2,400	850	150	130
MW7	07/26/96	17.12	6.62	10.50	NLPH	---	4,800	86,000	---	530	25	60	46
MW7	10/30/96	17.12	7.09	10.03	NLPH	---	3,400	28,000	---	180	9.8	58	38
MW7	01/31/97	17.12	3.65	13.47	NLPH	---	3,800	45,000	---	300	18	48	37
MW7	04/10/97	17.12	---	---	---	---	---	---	---	---	---	---	---
MW7	07/10/97	17.12	7.44	9.68	NLPH	---	3,500	18,000	---	70	<25	<25	<25
MW7	10/08/97	17.12	---	---	---	---	---	---	---	---	---	---	---
MW7	01/28/98	17.12	3.06	14.06	NLPH	---	100	---	250	1.0	<0.5	<0.5	0.67
MW7	04/14/98	17.12	3.10	14.02	---	---	---	---	---	---	---	---	---
MW7	07/30/98	17.12	5.78	11.34	NLPH	---	100	670	---	1.4	<0.5	<0.5	<0.5
MW7	10/19/98	17.12	6.25	10.87	NLPH	---	---	---	---	---	---	---	---
MW7	01/13/99	17.12	5.98	11.14	NLPH	---	273	530	---	<2.5	<2.5	<2.5	<2.5
MW7	04/28/99	17.12	4.32	12.80	---	---	---	---	---	---	---	---	---
MW7	07/09/99	17.12	5.67	11.45	NLPH	---	139	860	---	3.79	7.10	1.19	8.65
MW7	10/25/99	17.12	6.23	10.89	NLPH	---	<50	<1.0	---	<1.0	<1.0	<1.0	<1.0
MW7	01/21/00	17.12	5.41	11.71	NLPH	---	410	500	---	10	2.5	<1.0	2.5
MW7	04/14/00	17.12	3.84	13.28	NLPH	---	---	---	---	---	---	---	---
MW7	06/16/00	17.12	Property transferred to Valero Refining Company.										
MW7	07/05/00	17.12	5.05	12.07	NLPH	---	140	480	---	<0.5	<0.5	<0.5	0.56
MW7	10/03/00	17.12	5.88	11.24	NLPH	---	370	1,900	---	<0.5	0.62	<0.5	3.20
MW7	01/02/01	17.12	5.52	11.60	NLPH	---	120	1,500	---	2.2	<0.5	<0.5	<0.5
MW7	04/02/01	17.12	4.26	12.86	NLPH	---	120	1,500	---	0.91	<0.5	<0.5	<0.5
MW7	07/02/01	17.12	5.42	11.70	NLPH	---	110	740	---	4.1	<0.5	0.75	0.84
MW7	10/15/01	17.12	7.50	9.62	NLPH	---	170	740	---	<0.5	<0.5	<0.5	0.69
MW7	Nov-01	17.06	Well surveyed in compliance with AB 2886 requirements.										
MW7	02/04/02	17.06	3.81	13.25	NLPH	88.0	928	610	---	<0.50	<0.50	<0.50	<0.50
MW7	05/06/02	17.06	4.51	12.55	NLPH	72	591	565	712.0	2.4	<0.5	2.5	4.1
MW7	08/22/02	17.06	6.25	10.81	NLPH	<50	586	482	---	2.5	<2.5	<2.5	3.0
MW7	11/08/02	17.06	5.03	12.03	NLPH	<50	463	319	---	1.7	<0.5	<0.5	0.6
MW7	02/07/03	17.06	4.57	12.49	NLPH	<50	344	440	---	0.9	0.9	0.8	3.5
MW7	05/02/03	17.06	4.39	12.67	NLPH	<50	323	307	---	0.80	<0.5	<0.5	<0.5
MW7	08/14/03	17.06	5.96	11.10	NLPH	<50	197	45.5	---	2.00	<0.5	<0.5	1.0
MW7	11/14/03	17.06	6.04	11.02	NLPH	<50	146	48.0	---	1.50	<0.5	0.6	1.7
MW7	03/01/04	17.06	2.91	14.15	NLPH	138d	<50.0	---	8.10	<0.50	<0.5	<0.5	<0.5
MW7	06/10/04	17.06	5.18	11.88	NLPH	293d	9,830	26.0	---	501	2,280	205	1,920
MW7	09/13/04	17.06	5.85	11.21	NLPH	292d	1,350	82.5	---	64.5	<2.5	6.5	225





**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9	04/14/98	15.62	---	---	---	---	---	---	---	---	---	---	---
MW9	07/30/98	15.62	6.17	9.45	NLPH	---	---	---	---	---	---	---	---
MW9	10/19/98	15.62	6.40	9.22	NLPH	---	---	---	---	---	---	---	---
MW9	01/13/99	15.62	6.28	9.34	NLPH	---	---	---	---	---	---	---	---
MW9	04/28/99	15.62	5.87	9.75	NLPH	---	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	07/09/99	15.62	6.24	9.38	NLPH	---	<50	<2.0	---	<0.5	<0.5	<0.5	<0.5
MW9	10/25/99	15.62	6.67	8.95	NLPH	---	<50	<1.0	---	<1.0	<1.0	<1.0	<1.0
MW9	01/21/00	15.62	6.93	8.69	NLPH	---	<50	<1.0	---	<1.0	<1.0	<1.0	<1.0
MW9	04/14/00	15.62	6.05	9.57	Turbid	---	<50	<1	---	<1	<1	<1	<1
MW9	06/16/00	15.62	Property transferred to Valero Refining Company.										
MW9	07/05/00	15.62	6.34	9.28	NLPH	---	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9	10/03/00	15.62	6.52	9.10	NLPH	---	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9	01/02/01	15.62	6.53	9.09	NLPH	---	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9	04/02/01	15.62	6.21	9.41	NLPH	---	<50	<2	---	<0.5	<0.5	0.57	0.73
MW9	07/02/01	15.62	6.40	9.22	NLPH	---	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9	10/15/01	15.62	6.65	8.97	NLPH	---	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9	Nov-01	15.56	Well surveyed in compliance with AB 2886 requirements.										
MW9	02/04/02	15.56	4.77	10.79	NLPH	<50.0	<50.0	0.50	---	<0.50	<0.50	<0.50	<0.50
MW9	05/06/02	15.56	6.29	9.27	NLPH	<50	<50.0	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5
MW9	08/22/02	15.56	6.70	8.86	NLPH	<50	<50.0	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW9	11/08/02	15.56	6.55	9.01	NLPH	<50	<50.0	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW9	02/07/03	15.56	6.35	9.21	NLPH	<50	<50.0	<0.5	---	<0.5	<0.5	<0.5	<0.5
MW9	05/02/03	15.56	6.16	9.40	NLPH	91	<50.0	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW9	08/14/03	15.56	6.54	9.02	NLPH	<50	<50.0	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW9	11/14/03	15.56	6.60	8.96	NLPH	<50	<50.0	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW9	03/01/04	15.56	5.89	9.67	NLPH	<50	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW9	06/15/04	15.56	6.43	9.13	NLPH	<50	<50.0	<0.50	---	<0.50	<0.5	<0.5	<0.5
MW9	09/13/04	15.56	6.58	8.98	NLPH	<50	<50.0	<0.50	---	<0.50	<0.5	<0.5	<0.5
MW9	12/22/04	15.56	6.28	9.28	NLPH	<50	<50.0	<0.50	---	<0.50	<0.5	<0.5	<0.5
MW9	03/24/05	15.56	5.61	9.95	NLPH	<50	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW9	06/14/05	15.56	6.06	9.50	NLPH	<50	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW9	09/12/05	15.56	6.65	8.91	NLPH	<50.0	<50.0	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW9	12/13/05	15.56	6.32	9.24	NLPH	<50.0	<50.0	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW9	03/13/06	15.56	5.90	9.66	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	06/12/06	15.56	5.96	9.60	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	09/08/06	15.56	6.43	9.13	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	12/05/06	15.56	6.45	9.11	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	03/12/07	15.56	5.98	9.58	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	05/29/07	15.56	6.32	9.24	NLPH	<47.6	<50.0	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW9	08/29/07	15.56	6.51	9.05	NLPH	<47	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
<b>MW9</b>	<b>11/29/07</b>	<b>15.56</b>	<b>6.49</b>	<b>9.07</b>	<b>NLPH</b>	<b>&lt;47</b>	<b>&lt;50</b>	<b>---</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>









**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
EW1	09/12/05	16.27	14.39	1.88	NLPH	---	---	---	---	---	---	---	---
EW1	12/13/05	16.27	12.7	3.57	NLPH	---	---	---	---	---	---	---	---
EW1	03/13/06	16.27	11.43	4.84	NLPH	---	---	---	---	---	---	---	---
EW1	06/12/06	16.27	11.78	4.49	NLPH	---	---	---	---	---	---	---	---
EW1	09/08/06	16.27	5.18	11.09	NLPH	---	---	---	---	---	---	---	---
EW1	12/05/06	16.27	10.48	5.79	NLPH	---	---	---	---	---	---	---	---
EW1	03/12/07	16.27	3.82	12.45	NLPH	---	---	---	---	---	---	---	---
EW1	05/29/07	16.27	14.9	1.37	NLPH	---	---	---	---	---	---	---	---
EW1	08/29/07	16.27	7.82	8.45	NLPH	---	---	---	---	---	---	---	---
<b>EW1</b>	<b>11/29/07</b>	<b>16.27</b>	<b>6.23</b>	<b>10.04</b>	<b>NLPH</b>	---	---	---	---	---	---	---	---
EW2	09/12/94	16.05	6.09	9.96	NLPH	---	8,800a	---	---	2,000	79	180	290
EW2	10/01/94	16.05	7.32	8.73	NLPH	---	9,500a	---	---	1,400	6.7	700	310
EW2	01/13/95	16.05	14.38	1.67	NLPH	---	5,700a	---	---	930	270	21	280
EW2	04/27/95	16.05	15.23	0.82	NLPH	---	---	---	---	---	---	---	---
EW2	08/03/95	16.05	7.19	8.86	NLPH	---	830	1,600	---	170	27	36	64
EW2	10/17/95	16.05	18.97	-2.92	NLPH	---	180	3,600	---	<0.5	<0.5	<0.5	5.1
EW2	01/24/96	16.05	20.32	-4.27	NLPH	---	1,700	6,400	---	290	82	14	170
EW2	04/24/96	16.05	9.46	6.59	NLPH	---	3,500	7,300	---	670	200	110	490
EW2	07/26/96	16.05	16.50	-0.45	NLPH	---	1,400	14,000	---	250	56	10	220
EW2	10/30/96	16.05	20.30	-4.25	NLPH	---	1,500	13,000	---	200	44	8.8	190
EW2	01/31/97	16.05	19.21	-3.16	NLPH	---	---	---	---	---	---	---	---
EW2	04/10/97	16.05	---	---	---	---	---	---	---	---	---	---	---
EW2	07/10/97	16.05	---	---	---	---	---	---	---	---	---	---	---
EW2	10/08/97	16.05	---	---	---	---	---	---	---	---	---	---	---
EW2	01/28/98	16.05	3.35	12.70	NLPH	---	---	---	---	---	---	---	---
EW2	04/14/98	16.05	3.45	12.60	NLPH	---	---	---	---	---	---	---	---
EW2	07/30/98	16.05	11.50	4.55	NLPH	---	---	---	---	---	---	---	---
EW2	10/19/98	16.05	5.67	10.38	NLPH	---	---	---	---	---	---	---	---
EW2	01/13/99	16.05	9.57	6.48	NLPH	---	---	---	---	---	---	---	---
EW2	04/28/99	16.05	10.15	5.90	NLPH	---	---	---	---	---	---	---	---
EW2	07/09/99 - 04/14/00												
EW2	06/16/00	16.05											
EW2	07/05/00 - 10/15/01												
EW2	Nov-01	16.07											
EW2	02/04/02 - Present												
EW3	09/12/94	16.02	6.12	9.90	NLPH	---	300a	---	---	44	5.9	12	31
EW3	10/01/94	16.02	10.52	5.50	NLPH	---	140a	---	---	12	0.42	1.7	3.7
EW3	01/13/95	16.02	18.13	-2.11	NLPH	---	230a	---	---	4.6	7.6	1.2	6.6
EW3	04/27/95	16.02	23.07	-7.05	NLPH	---	---	---	---	---	---	---	---
EW3	08/03/95	16.02	22.90	-6.88	NLPH	---	<200	1,400	---	<2.0	<2.0	<2.0	<2.0
EW3	10/17/95	16.02	22.87	-6.85	NLPH	---	74	2,400	---	4.4	<0.5	<0.5	<0.5







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

Former Exxon Service Station 70104  
1725 Park Street  
Alameda, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Notes:		Data prior to Second Quarter 2000 provided by Delta Environmental Consultants, Inc.											
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.											
NLPH	=	No liquid-phase hydrocarbons.											
SPL	=	Separate-phase liquids present.											
TOC	=	Top of well casing elevation; datum is mean sea level.											
DTW	=	Depth to water.											
GW Elev.	=	Groundwater elevation; datum is mean sea level.											
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).											
TPHd	=	Total petroleum hydrocarbons as diesel using EPA Method 5030/8015 (modified).											
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B											
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B											
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 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.											
µg/L	=	Micrograms per liter.											
---	=	Not measured/Not sampled/Not analyzed.											
<	=	Less than the stated laboratory method reporting limit.											
a	=	Total volatile hydrocarbons by DHS /LUFT Manual Method.											
b	=	Results obtained from a 1:10 dilution analyzed on January 17, 1995.											
c	=	Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect.											
d	=	Hydrocarbon pattern does not resemble the requested fuel.											
e	=	Well inaccessible.											
f	=	Analyte detected in laboratory method blank; result is suspect.											
g	=	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.											
h	=	Initial analysis within holding time. Reanalysis for required dilution, confirmation, or QA/QC was past holding time.											
i	=	Elevated result due to single analyte peak(s) in the quantitation range.											
j	=	Calibration verification recovery above the method control limit. A high bias may be indicated.											

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW1	09/12/94 - 04/14/00	Not analyzed for these analytes.						
MW1	06/16/00	Property transferred to Valero Refining Company.						
MW1	07/05/00 - 02/04/02	Not analyzed for these analytes.						
MW1	05/06/02	<0.50	<0.50	297	<0.50	<0.50	<0.50	---
MW1	08/22/02 - 11/14/03	Not analyzed for these analytes.						
MW1	03/01/04	<0.50	<0.50	42.3	<0.50	<0.50	<0.50	---
MW1	06/15/04	---	---	---	---	---	---	<100
MW1	09/13/04	---	---	---	---	---	---	---
MW1	12/22/04	---	---	---	---	---	---	---
MW1	03/24/05	<0.50	<0.50	3,020	<0.50	<0.50	<0.50	<50.0
MW1	06/14/05	<0.50	<0.50	6,590	<0.50	<0.50	<0.50	<50.0
MW1	09/12/05	<0.500	<0.500	10,900	<0.500	<0.500	<0.500	<50.0
MW1	12/13/05	<0.500	<0.500	6,590h	<0.500	<0.500	<0.500	<50.0
MW1	03/13/06	<50	<50	15,000	<50	<50	<50	---
MW1	06/12/06	<50	<50	26,000	<50	<50	<50	---
MW1	09/08/06	<25	<25	22,000	<25	<25	<25	---
MW1	12/05/06	<25	<25	12,000	<25	<25	<25	---
MW1	03/12/07	<100	<100	9,000	<100	<100	<100	---
MW1	05/29/07	<0.500	1.11	12,100	<0.500	<0.500	<0.500	---
MW1	08/29/07	<50	<50	12,000	<50	<50	<50	---
<b>MW1</b>	<b>11/29/07</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>11,000</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>---</b>
MW2	09/12/94 - 04/14/00	Not analyzed for these analytes.						
MW2	06/16/00	Property transferred to Valero Refining Company.						
MW2	07/05/00 - 10/15/01	Not analyzed for these analytes.						
MW2	02/04/02	69	---	---	---	---	---	---
MW2	05/06/02	252	<0.50	44.8	<0.50	<0.50	<0.50	---
MW2	08/22/02	178	---	---	---	---	---	---
MW2	11/08/02	83	---	---	---	---	---	---
MW2	02/07/03	<50	---	---	---	---	---	---
MW2	05/02/03	56	---	---	---	---	---	---
MW2	08/14/03	62	---	---	---	---	---	---
MW2	11/14/03	132	---	---	---	---	---	---
MW2	03/01/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW2	06/15/04	---	---	---	---	---	---	<100
MW2	09/13/04	---	---	---	---	---	---	---
MW2	12/22/04	---	---	---	---	---	---	---
MW2	03/24/05	<0.50	<0.50	37	<0.50	<0.50	<0.50	<50.0
MW2	06/14/05	<0.50	<0.50	41.1	1.90	<0.50	<0.50	<50.0
MW2	09/12/05	<0.500	<0.500	181	<0.500	<0.500	<0.500	<50.0
MW2	12/13/05	<0.500	<0.500	159	<0.500	<0.500	0.680	<50.0
MW2	03/13/06	<0.50	<0.50	28	<0.50	<0.50	<0.50	<100

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW2	06/12/06	<0.50	<0.50	40	<0.50	<0.50	<0.50	<100
MW2	09/08/06	<0.50	<0.50	440	<0.50	<0.50	<0.50	<100
MW2	12/05/06	<0.50	<0.50	620	<0.50	<0.50	0.51	<100
MW2	03/12/07	<0.50	<0.50	290	<0.50	<0.50	<0.50	<100
MW2	05/29/07	<0.500	<0.500	235	<0.500	<0.500	<0.500	<50.0
MW2	08/29/07	<0.50	<0.50	900	<0.50	<0.50	0.50	<100
<b>MW2</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>1,300</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>0.66</b>	<b>&lt;100</b>
MW3	09/12/94 - 04/14/00 Not analyzed for these analytes.							
MW3	06/16/00 - Property transferred to Valero Refining Company.							
MW3	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW3	05/06/02	<0.50	<0.50	194.0	<0.50	<0.50	<0.50	---
MW3	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW3	03/01/04	<0.50	<0.50	3550.0	<0.50	<0.50	<0.50	---
MW3	06/15/04	---	---	---	---	---	---	<100
MW3	09/13/04	---	---	---	---	---	---	---
MW3	12/22/04	---	---	---	---	---	---	---
MW3	03/24/05	<0.50	<0.50	12,600	<0.50	<0.50	<0.50	<50.0
MW3	06/14/05	<0.50	<0.50	10,500	<0.50	<0.50	<0.50	<50.0
MW3	09/12/05	<0.500	<0.500	16,100	10.4	<0.500	<0.500	<50.0
MW3	12/13/05	<0.500	<0.500	3530h	5.04	<0.500	<0.500	<50.0
MW3	03/13/06	<0.50	<0.50	12,000h	<0.50	<0.50	<0.50	<100
MW3	06/12/06	<5.0	<5.0	8,000	<5.0	<5.0	<5.0	<1,000
MW3	09/08/06	<2.5	<2.5	6,700	<2.5	<2.5	<2.5	<500
MW3	12/05/06	<2.5	<2.5	6,700	<2.5	<2.5	<2.5	<500
MW3	03/12/07	<2.5	<2.5	5,900	<2.5	<2.5	<2.5	<500
MW3	05/29/07	<0.500	<0.500	4,330	<0.500	<0.500	<0.500	<50.0
MW3	08/29/07	<1.0	<1.0	2,800	<1.0	<1.0	<1.0	<200
<b>MW3</b>	<b>11/29/07</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>3,700</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;200</b>
MW4	09/12/94 - 04/14/00 Not analyzed for these analytes.							
MW4	06/16/00 - Property transferred to Valero Refining Company.							
MW4	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW4	05/06/02	0.8	<0.50	499.0	<0.50	<0.50	<0.50	---
MW4	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW4	03/01/04	<0.50	<0.50	1,780	<0.50	<0.50	<0.50	---
MW4	06/15/04	---	---	---	---	---	---	<100
MW4	09/13/04	---	---	---	---	---	---	---
MW4	12/22/04	---	---	---	---	---	---	---
MW4	03/24/05	<0.50	<0.50	8,860	<0.50	<0.50	<0.50	<50.0
MW4	06/14/05	<0.50	<0.50	5,890	2.20	<0.50	<0.50	<50.0
MW4	09/12/05	<0.500	<0.500	7,230	<0.500	<0.500	<0.500	<50.0

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW4	12/13/05	<0.500	<0.500	3,750g	3.49	<0.500	<0.500	<50.0
MW4	03/13/06	<0.50	<0.50	2,000	<0.50	<0.50	<0.50	<100
MW4	06/12/06	<0.50	<0.50	740	<0.50	<0.50	<0.50	<100
MW4	09/08/06	<0.50	<0.50	2,800	<0.50	<0.50	<0.50	<100
MW4	12/05/06	<0.50	<0.50	3,900	<0.50	<0.50	<0.50	<100
MW4	03/12/07	<1.0	<1.0	2,800	<1.0	<1.0	<1.0	<200
MW4	05/29/07	<0.500	<0.500	1,350	<0.500	<0.500	<0.500	<50.0
MW4	08/29/07	<0.50	<0.50	940	<0.50	<0.50	<0.50	<100
<b>MW4</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>810</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;100</b>
MW5	09/12/94 - 04/14/00 Not analyzed for these analytes.							
MW5	06/16/00 - Property transferred to Valero Refining Company.							
MW5	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW5	05/06/02	<0.50	<0.50	306	<0.50	<0.50	3	---
MW5	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW5	03/01/04	<0.50	<0.50	528	<0.50	<0.50	1	---
MW5	06/15/04	---	---	---	---	---	---	<100
MW5	09/13/04	---	---	---	---	---	---	---
MW5	12/22/04	---	---	---	---	---	---	---
MW5	03/24/05	<0.50	<0.50	1,560	<0.50	<0.50	1.30	<50.0
MW5	06/14/05	<0.50	<0.50	908	<0.50	<0.50	1.70	<50.0
MW5	09/12/05	<0.500	<0.500	1,130	13.6	<0.500	<0.500	<50.0
MW5	12/13/05	<0.500	<0.500	878	16.5	<0.500	1.01	<50.0
MW5	03/13/06	<0.50	<0.50	1,800h	<0.50	<0.50	<0.50	<100
MW5	06/12/06	<2.5	<2.5	800	<2.5	<2.5	<2.5	<500
MW5	09/08/06	<2.5	<2.5	79	<2.5	<2.5	<2.5	<500
MW5	12/05/06	<0.50	<0.50	230	<0.50	<0.50	<0.50	<100
MW5	03/12/07	<0.50	<0.50	290	<0.50	<0.50	<0.50	<100
MW5	05/29/07	<0.500	<0.500	171	<0.500	<0.500	<0.500	<50.0
MW5	08/29/07	<0.50	<0.50	190	<0.50	<0.50	<0.50	<100
<b>MW5</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>110</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;100</b>
MW6	09/12/94 - 04/14/00 Not analyzed for these analytes.							
MW6	06/16/00 - Property transferred to Valero Refining Company.							
MW6	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW6	05/06/02	<0.50	<0.50	32	<0.50	<0.50	<0.50	---
MW6	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW6	03/01/04	<0.50	<0.50	2,000	<0.50	<0.50	<0.50	---
MW6	06/15/04	---	---	---	---	---	---	<100
MW6	09/13/04	---	---	---	---	---	---	---
MW6	12/22/04	---	---	---	---	---	---	---
MW6	03/24/05	<0.50	<0.50	14,700	<0.50	<0.50	<0.50	<50.0



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6	06/14/05	<0.50	<0.50	22,800	<0.50	<0.50	<0.50	<50.0
MW6	09/12/05	<0.500	<0.500	15,400	<0.500	<0.500	<0.500	<50.0
MW6	12/13/05	<0.500	<0.500	5,640g	<0.500	<0.500	<0.500	<50.0
MW6	03/13/06	<5.0	<5.0	11,000	<5.0	<5.0	<5.0	<1,000
MW6	06/12/06	<5.0	<5.0	7,700	<5.0	<5.0	<5.0	<1,000
MW6	09/08/06	<5.0	<5.0	6,000	<5.0	<5.0	<5.0	<1,000
MW6	12/05/06	<2.5	<2.5	11,000	<2.5	<2.5	<2.5	<500
MW6	03/12/07	<2.5	<2.5	5,200	<2.5	<2.5	<2.5	<500
MW6	05/29/07	<0.500	<0.500	3,640	<0.500	<0.500	<0.500	<50.0
MW6	08/29/07	<2.5	<2.5	4,400	<2.5	<2.5	<2.5	<500
<b>MW6</b>	<b>11/29/07</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>7,800</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>&lt;2.5</b>	<b>&lt;500</b>
MW7	09/12/94 - 04/14/00 Not analyzed for these analytes.							
MW7	06/16/00 - Property transferred to Valero Refining Company.							
MW7	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW7	05/06/02	<0.50	<0.50	144	<0.50	<0.50	<0.50	---
MW7	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW7	03/01/04	<0.50	<0.50	295	<0.50	<0.50	<0.50	---
MW7	06/15/04	---	---	---	---	---	---	<100
MW7	09/13/04	---	---	---	---	---	---	---
MW7	12/22/04	---	---	---	---	---	---	---
MW7	03/24/05	<0.50	<0.50	163	<0.50	<0.50	<0.50	<50.0
MW7	06/14/05	<0.50	<0.50	878	<0.50	<0.50	<0.50	<50.0
MW7	09/12/05	<0.500	<0.500	6,910	<0.500	<0.500	<0.500	<50.0
MW7	12/13/05	<0.500	<0.500	683	<0.500	<0.500	<0.500	<50.0
MW7	03/13/06	<0.50	<0.50	120	<0.50	<0.50	<0.50	<100
MW7	06/12/06	<0.50	<0.50	31	<0.50	<0.50	<0.50	<100
MW7	09/08/06	<0.50	<0.50	550	<0.50	<0.50	<0.50	<100
MW7	12/05/06	<0.50	<0.50	200	<0.50	<0.50	<0.50	<100
MW7	03/12/07	<0.50	<0.50	370	<0.50	<0.50	<0.50	<100
MW7	05/29/07	<0.500	<0.500	270	<0.500	<0.500	<0.500	<50.0
MW7	08/29/07	<0.50	<0.50	150	<0.50	<0.50	<0.50	<100
<b>MW7</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>98</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;100</b>
MW8	09/12/94 - 01/13/99 Not analyzed for these analytes.							
MW8	04/28/99	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW8	07/09/99 - 04/14/00 Not analyzed for these analytes.							
MW8	06/16/00 - Property transferred to Valero Refining Company.							
MW8	07/05/00 - 02/04/02 Not analyzed for these analytes.							
MW8	05/06/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW8	08/22/02 - 11/14/03 Not analyzed for these analytes.							
MW8	03/01/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW8	06/15/04	---	---	---	---	---	---	<100
MW8	09/13/04	---	---	---	---	---	---	---
MW8	12/22/04	---	---	---	---	---	---	---
MW8	03/24/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW8	06/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW8	09/12/05	<0.500	<0.500	46.2	<0.500	<0.500	<0.500	<50.0
MW8	12/13/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0
MW8	03/13/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW8	06/12/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW8	09/08/06	<0.50	<0.50	6.9	<0.50	<0.50	<0.50	---
MW8	12/05/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW8	03/12/07	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW8	05/29/07	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW8	08/29/07	<0.50	<0.50	<10	<0.50	<0.50	<0.50	---
<b>MW8</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>---</b>
MW9	09/12/94 - 04/14/00	Not analyzed for these analytes.						
MW9	06/16/00	Property transferred to Valero Refining Company.						
MW9	07/05/00 - 02/04/02	Not analyzed for these analytes.						
MW9	05/06/02	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9	08/22/02 - 11/14/03	Not analyzed for these analytes.						
MW9	03/01/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
MW9	06/15/04	---	---	---	---	---	---	<100
MW9	09/13/04	---	---	---	---	---	---	---
MW9	12/22/04	---	---	---	---	---	---	---
MW9	03/24/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9	06/14/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW9	09/12/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0
MW9	12/13/05	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	<50.0
MW9	03/13/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9	06/12/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9	09/08/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9	12/05/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9	03/12/07	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW9	05/29/07	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW9	08/29/07	<0.50	<0.50	<10	<0.50	<0.50	<0.50	---
<b>MW9</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>---</b>
MW10	09/12/94 - 10/08/97	Not analyzed for these analytes.						
MW10	12/12/97	Well destroyed.						

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW11	09/12/94 - 04/14/00	Not analyzed for these analytes.						
MW11	06/16/00	Property transferred to Valero Refining Company.						
MW11	07/05/00 - 02/04/02	Not analyzed for these analytes.						
MW11	05/06/02	1.00	<0.50	311	<0.50	<0.50	<0.50	---
MW11	08/22/02 - 11/14/03	Not analyzed for these analytes.						
MW11	03/01/04	<0.50	<0.50	21	<0.50	<0.50	<0.50	---
MW11	06/15/04	---	---	---	---	---	---	<100
MW11	09/13/04	---	---	---	---	---	---	---
MW11	12/22/04	---	---	---	---	---	---	---
MW11	03/24/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
MW11	06/14/05	<0.50	<0.50	49.0	<0.50	<0.50	<0.50	<50.0
MW11	09/12/05	<0.500	<0.500	24.2	<0.500	<0.500	<0.500	<50.0
MW11	12/13/05	<0.500	<0.500	70.8	<0.500	<0.500	<0.500	<50.0
MW11	03/13/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW11	06/12/06	<0.50	<0.50	56	<0.50	<0.50	<0.50	---
MW11	09/08/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW11	12/05/06	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	---
MW11	03/12/07	<0.50	<0.50	45	<0.50	<0.50	<0.50	---
MW11	05/29/07	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---
MW11	08/29/07	<0.50	<0.50	100	<0.50	<0.50	<0.50	---
<b>MW11</b>	<b>11/29/07</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>110</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>---</b>
MW12	10/17/95 - 04/14/00	Not analyzed for these analytes.						
MW12	06/16/00	Property transferred to Valero Refining Company.						
MW12	07/05/00 - Present	Not analyzed for these analytes.						
EW1	09/12/94 - 04/14/00	Not analyzed for these analytes.						
EW1	06/16/00	Property transferred to Valero Refining Company.						
EW1	07/05/00 - Present	Not analyzed for these analytes.						
EW2	09/12/94 - 04/14/00	Not analyzed for these analytes.						
EW2	06/16/00	Property transferred to Valero Refining Company.						
EW2	07/05/00 - Present	Not analyzed for these analytes.						
EW3	09/12/94 - 04/14/00	Not analyzed for these analytes.						
EW3	06/16/00	Property transferred to Valero Refining Company.						
EW3	07/05/00 - Present	Not analyzed for these analytes.						
EW4	09/12/94 - 04/14/00	Not analyzed for these analytes.						
EW4	06/16/00	Property transferred to Valero Refining Company.						
EW4	07/05/00 - Present	Not analyzed for these analytes.						

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 70104

1725 Park Street  
 Alameda, California

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Well ID	Sampling Date	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
EW5	09/12/94 - 04/14/00	Not analyzed for these analytes.						
EW5	06/16/00 - Property transferred to Valero Refining Company.							
EW5	07/05/00 - Present	Not analyzed for these analytes.						

Notes:	Data prior to Second Quarter 2000 provided by Delta Environmental Consultants, Inc.							
SUBJ	=	Results of subjective evaluation, liquid-phase hydrocarbon thickness in feet.						
NLPH	=	No liquid-phase hydrocarbons.						
SPL	=	Separate-phase liquids present.						
TOC	=	Top of well casing elevation; datum is mean sea level.						
DTW	=	Depth to water.						
GW Elev.	=	Groundwater elevation; datum is mean sea level.						
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).						
TPHd	=	Total petroleum hydrocarbons as diesel using EPA Method 5030/8015 (modified).						
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.						
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.						
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 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.						
µg/L	=	Micrograms per liter.						
---	=	Not measured/Not sampled/Not analyzed.						
<	=	Less than the stated laboratory method reporting limit.						
a	=	Total volatile hydrocarbons by DHS /LUFT Manual Method.						
b	=	Results obtained from a 1:10 dilution analyzed on January 17, 1995.						
c	=	Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect.						
d	=	Hydrocarbon pattern does not resemble the requested fuel.						
e	=	Well inaccessible.						
f	=	Analyte detected in laboratory method blank; result is suspect.						
g	=	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.						
h	=	Initial analysis within holding time. Reanalysis for required dilution, confirmation, or QA/QC was past holding time.						
i	=	Elevated result due to single analyte peak(s) in the quantitation range.						
j	=	Calibration verification recovery above the method control limit. A high bias may be indicated.						