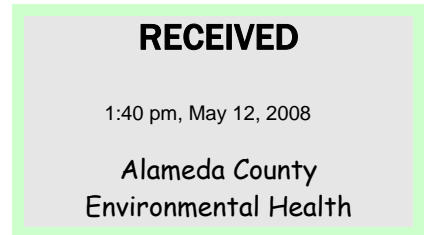




Arctos Environmental
1332 Peralta Avenue 510 525-2180 PHONE
Berkeley, CA 94702 510 525-2392 FAX

Main Office
3450 E. Spring St., Suite 212 562 988-2755 PHONE
Long Beach, CA 90806 562 988-2759 FAX

9 May 2008
Project No. 01DO



Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

**Subject: Request for Closure and
First Quarter 2008 Monitoring Report
1088 Marina Boulevard, San Leandro, California
Tesoro No. 67106 (Former Beacon 3720); ACEH Case No. RO0216**

Dear Mr. Wickham:

Arctos Environmental (Arctos), on behalf of Tesoro Companies, Inc. (Tesoro), is submitting this request for closure for the subject site, which reflects the consensus reached at our meeting on 12 March 2008. The information presented below supports this request for closure and includes the site background, summary of investigations and remediation, first quarter 2008 groundwater monitoring results, sensitive receptor survey, and nearby groundwater conditions.

Executive Summary

Arctos has prepared this request for closure based on results of quarterly groundwater monitoring conducted on 27 January 2008 and a review of site soil and groundwater conditions. Soil and groundwater remediation at the site have reduced total petroleum hydrocarbons as gasoline (TPHg), benzene, and methyl tert-butyl ether (MTBE) concentrations from 94 to 100 percent of the historical high concentrations at the site. The groundwater and soil remediation systems operated from June 1997 through May 2006 and removed approximately 3,084 pounds of petroleum hydrocarbons. Petroleum hydrocarbons have not been detected in the influent samples of the soil and groundwater remediation systems during the last 10 months of operation, which indicates that the technically feasible limits have been met for the system.

A sensitive receptor survey and evaluation of site soil concentrations indicate that the remaining petroleum hydrocarbons do not pose a health risk to downgradient water wells, surface water bodies, sensitive receptors, or onsite workers. A large chlorinated hydrocarbon plume is located directly downgradient of the site that is currently being managed by the Department of Toxic Substances Control (DTSC). Under the direction of the DTSC, groundwater remediation is being conducted at the downgradient portion of the plume using in situ bioremediation enhanced by the addition of organic substrates. The plume across the street from the site is not being actively remediated and is expected to be impacted for many years. The onsite hydrocarbon plume will likely attenuate before the regional chlorinated solvent contamination is addressed, and should be considered relatively low-risk to downgradient receptors.

Site Background

The site is currently an operating service station located at the northwest corner of the intersection of Eleventh Avenue and Marina Boulevard in San Leandro, California (Figure 1). The station contains three underground storage tanks (USTs) with three dispenser islands. The tanks store regular unleaded, unleaded plus, and super unleaded gasoline. Figure 2 shows the site plan.

Previous Investigations

Three gasoline USTs and one waste oil UST and their associated distribution piping and dispenser islands were removed from the site in January 1987. During the removal, impacted soil was identified below the USTs. Based on the observed impact, five groundwater monitoring wells (MW-1 through MW-5) were installed in March 1987. Four soil borings were installed in July 1987 to further characterize impacted soil in the area of well MW-4.

After the installation of six soil borings to define the extent of impacted groundwater in August 1991, three more groundwater monitoring wells (MW-6 through MW-8) were installed in October 1991. An additional groundwater monitoring well (MW-9) was installed in December 1994 along with six air sparging points and one vapor extraction well.

Soil and Groundwater Remediation

Acton, Mickelson, and Van Dam, Inc. (AMV) of El Dorado Hills, California, performed a groundwater pump test, soil vapor extraction (SVE) test, and air sparging test at the site in October 1993. Based on the results, AMV proposed using vapor extraction for soil remediation, coupled with air sparging to remediate groundwater. In addition, AMV recommended interim groundwater extraction from monitoring wells MW-4, MW-5, and

MW-9. In December 1994, AMV installed six air sparge wells (SP-1 through SP-6) and one SVE well (VW-1) for remediation of impacted soil and groundwater. Operation of the SVE system began in June 1997, and operation of the groundwater extraction and air sparging systems began in July 1997.

From June 1997 through May 2006, the SVE system removed approximately 3,084 pounds of hydrocarbon through volatilization or approximately 474 gallons (at a density of 6.5 pounds per gallon). The system was shut down on 12 May 2006 after analysis of influent samples did not detect petroleum hydrocarbons concentrations for the preceding 10 consecutive months. Historical SVE influent laboratory analytical results are in Attachment A. Figure 3 is a graph showing vapor influent concentrations over time.

In addition to remediation of groundwater by air sparging with vapor extraction, approximately 228,850 gallons of groundwater was extracted from July 1997 to March 1998. An additional 7,100 gallons of groundwater was extracted from wells MW-1, MW-2, and MW-3 during five separate groundwater extraction events from October 2000 to January 2001. The groundwater extraction system was removed from the site in November 2003.

An ozone system was installed and started operation in December 2005. The ozone system consisted of two 0.5-pound-per-hour ozone generators connected in parallel that continuously sparged ozone in groundwater monitoring wells MW-1 and MW-4. Ozone sparging in groundwater well MW-5 was initiated in March 2005. Operation of the ozone system stopped along with the SVE system on 12 May 2006.

First Quarter 2008 Groundwater Monitoring Results

RDM Environmental (RDM), of Rocklin, California, performed quarterly groundwater monitoring at the site on 27 January 2008. Samples were collected from wells MW-1 through MW-9 (Figure 2) in accordance with RWQCB guidelines. Groundwater sampling quality assurance/quality control (QA/QC) procedures and the analytical plan are in Attachment B. Field data sheets are in Attachment C.

As indicated in Table 1, the groundwater elevations were approximately 21.45 to 23.23 feet above mean sea level (11.25 to 13.00 feet below ground surface). Water levels increased by approximately 1 to 2 feet since October 2007. The water level data indicate that the general direction of water flow is toward the south on site and southwest off site with an estimated gradient of 0.0076 (1 foot/132 feet; Figure 2). Historical water elevations are in Attachment D.

The highest TPHg concentration of 8,100 micrograms per liter ($\mu\text{g/l}$) was at well MW-2. The highest benzene, MTBE, and tert-butyl alcohol (TBA) concentrations of 14, 4.9, and 10 $\mu\text{g/l}$, respectively, were at well MW-5. MTBE and TBA concentrations have been below the ESLs at the site for the past five quarters of monitoring. Table 2 is a summary of analytical results for the groundwater samples. Figures 4 and 5 show the isoconcentration contours for TPHg and benzene, respectively. Historical analytical results are in Attachment E; the laboratory report and the chain-of-custody form are in Attachment F.

Concentrations of TPHg, benzene, and MTBE on site have decreased 94 to 100 percent below historical high concentrations. The following table compares the first quarter 2008 sampling results with the historical highest concentrations reported at the site:

Compound	Highest Reported Concentration ($\mu\text{g/l}$)	Highest January 2008 Concentration ($\mu\text{g/l}$)	Reduction	ESL ($\mu\text{g/l}$)
TPHg	130,000	8,100	93.8%	100
Benzene	22,000	14	99.9%	1
MTBE	84,000	4.9	100%	12

TPHg, benzene, and MTBE concentrations are graphed for onsite wells MW-1 through MW-5, MW-8, and MW-9 on Figures 6A through 6G, respectively.

Soil Analytical Results

Soil encountered beneath the site consist predominantly of greenish-brown silty clay with occasional, discontinuous sand and clayey sand lenses beginning at approximately 14 feet below grade. The static water level measured in nearby groundwater monitoring wells has ranged from approximately 10 to 17 feet below ground surface since 1992. Soil samples collected at a depth of 10 feet below grade and deeper are assumed to be beneath the water table.

Samples collected from the vadose zone at a depth of 5 feet below grade were below the analytical method detection limit for all hydrocarbons. Table 3 summarizes the soil analytical results. Figure 7 shows the soil boring locations.

Sensitive Receptor Survey

A water well survey conducted within a 1,600-foot radius of the site was completed in July 2006 by RDM in response to an ACEH letter dated 11 April 2006. The results of the survey were submitted in the second quarter 2006 site conceptual model update report dated 15 August 2006. A total of 44 wells were identified within a 1,600-foot radius of the site: 2 domestic wells, 23 irrigation wells, and 19 monitoring wells related to previous investigations. All of the monitoring wells appear to have been destroyed and all of the irrigation wells are located north, upgradient of the site. The nearest drinking water well was located 1,600 feet south, downgradient of the site. Results of the well survey are summarized in Table G-1, and Figure G-1 shows the locations in Attachment G.

The nearest surface water body to the site is San Leandro Creek, which is located approximately 1 mile north, upgradient of the site. The closest downgradient surface water body is the San Francisco Bay, located approximately 2 miles west of the site.

Regional Groundwater Status

A large chlorinated hydrocarbon plume, known as the DWA plume, is present directly downgradient of the site and upgradient of the drinking water well identified in the well survey. The DWA groundwater plume is approximately 1 mile wide and 2 miles long. The northern boundary for this plume is defined by Marina Boulevard, directly downgradient of the site (Figure 8). Solvents, degreasers, and cleaning agents have been used by industry in the DWA plume area since the 1930's causing significant impact to shallow groundwater. A Public Health Advisory was issued, advising residents not to use private wells for domestic purposes unless tested regularly. Groundwater remediation is currently being overseen by the DTSC. At the downgradient portion of the DWA plume, known as the San Leandro Residential Area, hydrogen release compound (HRC) is being injected to remediate downgradient portions of the plume by anaerobic biodegradation. This technology has been shown to be effective in remediating chlorinated hydrocarbons but can take a significant amount of time to meet water quality objectives because of the varying degradation rates for different daughter products.

Conclusions and Request for Closure

The results of groundwater monitoring from the nine existing wells and the site summary indicate the following conclusions:

- TPHg, benzene, and MTBE concentrations in groundwater have decreased by 94 to 100 percent of historical high concentrations and only TPHg and benzene remain above ESLs

Jerry Wickham
 Alameda County Environmental Health
 9 May 2008
 Page 6

- The impacted groundwater is delineated by the existing groundwater monitoring wells
- Soil concentrations are below detection limits in the vadose zone and, therefore, do not to pose a health risk for workers at or near the site
- Water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are not likely to be impacted by petroleum hydrocarbons from the site
- The downgradient chlorinated hydrocarbon plume across the street from the site is not being actively remediated and is expected to be impacted for many years. The onsite hydrocarbon plume will likely attenuate before the regional chlorinated solvent contamination is addressed, and should be considered relatively low-risk to downgradient receptors.

Based on these conclusions, Arctos requests that the ACEH (1) discontinue the requirement for quarterly groundwater monitoring and (2) provide an official letter of no further action for the site. After receiving the no further action letter, Arctos will prepare a work plan for abandonment of the vapor extraction, air sparging, and groundwater monitoring wells for ACEH approval.


If you have questions or comments, please call Mike Purchase at 510/525-2180 or Jeff Gwinn at 562/988-2755.

Very truly yours,

ARCTOS ENVIRONMENTAL


 Michael P. Purchase, P.E.
 Senior Project Manager




 Jeffrey P. Gwinn, P.E.
 Vice President

Copy: Jeffrey M. Baker – Tesoro Companies, Inc.
 Brian Kelleher – Kelleher & Associates

Attachments: Table 1 – Well and Groundwater Elevations
Table 2 – Grounwater Monitoring Analytical Results
Table 3 – Soil Analytical Results
Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Soil Vapor Influent Concentrations
Figure 4 – TPHg Concentration Contours in Groundwater
Figure 5 – Benzene Concentration Contours in Groundwater
Figures 6A through 6G – TPHg, Benzene, and MTBE Results for Wells MW-1
through MW-5, MW-8, and MW-9
Figure 7 – Soil Boring Locations
Figure 8 – DWA Plume Map
Attachment A – Historical Influent SVE Sampling Results
Attachment B – Groundwater Sampling QA/QC Procedures
Attachment C – Field Data Sheets
Attachment D – Historical Groundwater Elevations
Attachment E – Historical Groundwater Analytical Results
Attachment F – Laboratory Analytical Report and Chain-of-Custody Form
Attachment G – Well Survey

TABLE 1

**WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-1	2/12/07	12.94	35.47	22.53
	4/25/07	13.35		22.12
	7/23/07	14.00		21.47
	10/24/07	14.15		21.32
	1/27/08	12.24		23.23
MW-2	2/12/07	12.81	35.11	22.30
	4/25/07	13.10		22.01
	7/23/07	13.69		21.42
	10/24/07	13.84		21.27
	1/27/08	12.32		22.79
MW-3	2/12/07	12.74	34.84	22.10
	4/25/07	12.99		21.85
	7/23/07	13.55		21.29
	10/24/07	13.72		21.12
	1/27/08	12.51		22.33
MW-4	2/12/07	13.21	35.33	22.12
	4/25/07	13.58		21.75
	7/23/07	14.19		21.14
	10/24/07	14.23		21.10
	1/27/08	12.63		22.70
MW-5	2/12/07	13.04	35.09	22.05
	4/25/07	13.40		21.69
	7/23/07	13.95		21.14
	10/24/07	14.09		21.00
	1/27/08	12.46		22.63
MW-6	2/12/07	11.22	32.74	21.52
	4/25/07	11.43		21.31
	7/23/07	11.98		20.76
	10/24/07	12.15		20.59
	1/27/08	11.25		21.49

TABLE 1

**WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-7	2/12/07	12.21	33.64	21.43
	4/25/07	12.33		21.31
	7/23/07	13.00		20.64
	10/24/07	13.11		20.53
	1/27/08	12.19		21.45
MW-8	2/12/07	13.73	36.08	22.35
	4/25/07	14.19		21.89
	7/23/07	14.80		21.28
	10/24/07	14.95		21.13
	1/27/08	13.00		23.08
MW-9	2/12/07	12.73	34.63	21.90
	4/25/07	12.95		21.68
	7/23/07	13.54		21.09
	10/24/07	13.71		20.92
	1/27/08	12.22		22.41

(a) Elevation of PVC well casing relative to mean sea level (MSL), provided by RDM Environmental, Inc. (RDM), Fourth Quarter 2007 Groundwater Monitoring Report.

(b) Difference between "PVC Casing Elevation" and "Depth to Water."

TABLE 2
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-1	10/20/2006	5,300	ND<0.5 ^(e)	0.61	52	16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	3,500	ND<0.5	ND<0.5	12	2.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	3,400	ND<0.5	ND<0.5	15	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	5,400	ND<0.5	0.61	24	7.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	3,500	ND<0.5	ND<0.5	13	4.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	690	ND<0.5	0.52	1.8	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
MW-2	10/20/2006	8,800	22	7.6	620	140	3.1	ND<1.5	ND<1.5	ND<1.5	ND<7
	2/12/2007	7,700	24	8.5	450	110	2.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	9,400	22	8.7	620	100	ND<2	ND<2	ND<2	ND<2	ND<9
	7/23/2007	9,100	13	7.5	640	98	0.6	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	8,800	6.4	4.8	520	85	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<15
	1/27/2008	8,100	5.4	5.3	350	130	ND<1.5	ND<1.5	ND<1.5	ND<1.5	7.2
MW-3	10/20/2006	1,200	1.9	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	990	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	5.5
	4/25/2007	760	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	6.1
	7/23/2007	750	1.4	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	890	1.3	0.70	0.70	ND<0.5	0.84	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	1,200	1.4	1.1	3.3	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.3
MW-4	10/20/2006	1,500	2.9	28	56	350	2.7	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	150	ND<0.5	0.58	1.5	3.3	3.1	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	340	0.83	4.6	10	26	4.8	ND<0.5	ND<0.5	ND<0.5	6.0
	7/23/2007	1,000	2.6	4.1	42	43	3.0	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	2,100	4.7	32	78	230	2.1	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	2,500	5.2	9.0	56	130	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5

TABLE 2

**GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106**

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-5	10/20/2006	320	0.76	ND<0.5	2.8	1.1	1.4	ND<0.5	ND<0.5	ND<0.5	5.9
	2/12/2007	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	ND<0.5	ND<0.5	6.4
	4/25/2007	340	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	8.1
	7/23/2007	700	0.72	ND<0.5	1.4	0.70	3.2	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	1,000	1.6	ND<0.5	2.1	0.60	2.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	1,900	14	0.78	34	6.0	4.9	ND<0.5	ND<0.5	ND<0.5	10
MW-6	10/20/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
MW-7	10/20/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
MW-8	10/20/2006	100	1.1	ND<0.5	1.8	0.94	5.8	ND<0.5	ND<0.5	ND<0.5	6.5
	2/12/2007	69	ND<0.5	ND<0.5	ND<0.5	4.5	4.2	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	51	ND<0.5	ND<0.5	ND<0.5	0.68	2.4	ND<0.5	ND<0.5	ND<0.5	ND<5

TABLE 2

**GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106**

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-9	10/20/2006	490	ND<0.5	ND<0.5	0.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/24/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5

- (a) Samples collected before January 2008 reported by others; data provided by RDM Environmental, Inc. (RDM), Fourth Quarter 2007 Groundwater Monitoring Report.
- (b) Total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), methanol, and ethanol analyzed by EPA Method 8260; reported in micrograms per liter (ug/l).
- (c) Environmental Screening Levels (ESLs) taken from Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup tables dated November 2007.
- (d) NE - Not established.
- (e) ND - Not detected at the reporting limit listed.

TABLE 3

SOIL ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Soil Boring	Depth (feet)	Sample Date	TPHg ^(a) (mg/kg)	Benzene ^(b) (µg/kg)	Toluene ^(b) (µg/kg)	Ethylbenzene ^(b) (µg/kg)	Total Xylenes ^(b) (µg/kg)	MTBE ^(b) (µg/kg)
MW-1	14	3/30/1987	327	2,700	28,000	-- ^(c)	74,200	--
MW-2	14	3/30/1987	83	1,300	10,400	--	18,800	--
MW-3	4	3/30/1987	ND<1 ^(d)	ND<1,000	ND<1,000	--	ND<1,000	--
MW-4	14	3/31/1987	2,108	16,800	16,800	--	427,300	--
MW-5	14	3/31/1987	938	7,900	7,900	--	228,200	--
1	9.5	7/7/1987	ND<1	ND<100	ND<100	--	ND<100	--
	14.5	7/7/1987	1,000	32,000	110,000	--	170,000	--
2	9.5	7/7/1987	ND<1	ND<100	ND<100	--	ND<100	--
	14.5	7/7/1987	220	5,800	26,000	--	45,000	--
3	9.5	7/7/1987	10	690	200	--	ND<100	--
	14.5	7/7/1987	910	23,000	100,000	--	150,000	--
4	9.5	7/7/1987	ND<1	ND<100	ND<100	--	ND<100	--
	14.5	7/7/1987	560	18,000	75,000	--	110,000	--
B-2	10	8/15/1991	2.1	220	88	71	27	--
B-3	14	8/15/1991	560	3,600	19,000	9,100	48,000	--
B-4	13.5	8/15/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
B-5	13	9/19/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
B-6	10	9/19/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
B-7	13.5	9/20/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
MW-6	5	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	10	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	15	10/10/1991	11	ND<5	35	11	47	--
	20	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	25	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
MW-7	7	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	10	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	13.5	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	15	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	20	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	25	10/10/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
MW-8	5	10/11/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	10	10/11/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--
	13.5	10/11/1991	0.012	ND<5	ND<5	ND<5	ND<5	--
	18	10/11/1991	290	670	4,800	3,300	20,000	--
	25	10/11/1991	2.6	14	56	20	150	--
	30	10/11/1991	ND<1	ND<5	ND<5	ND<5	ND<5	--

TABLE 3

SOIL ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

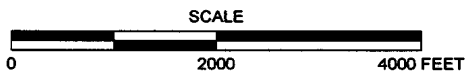
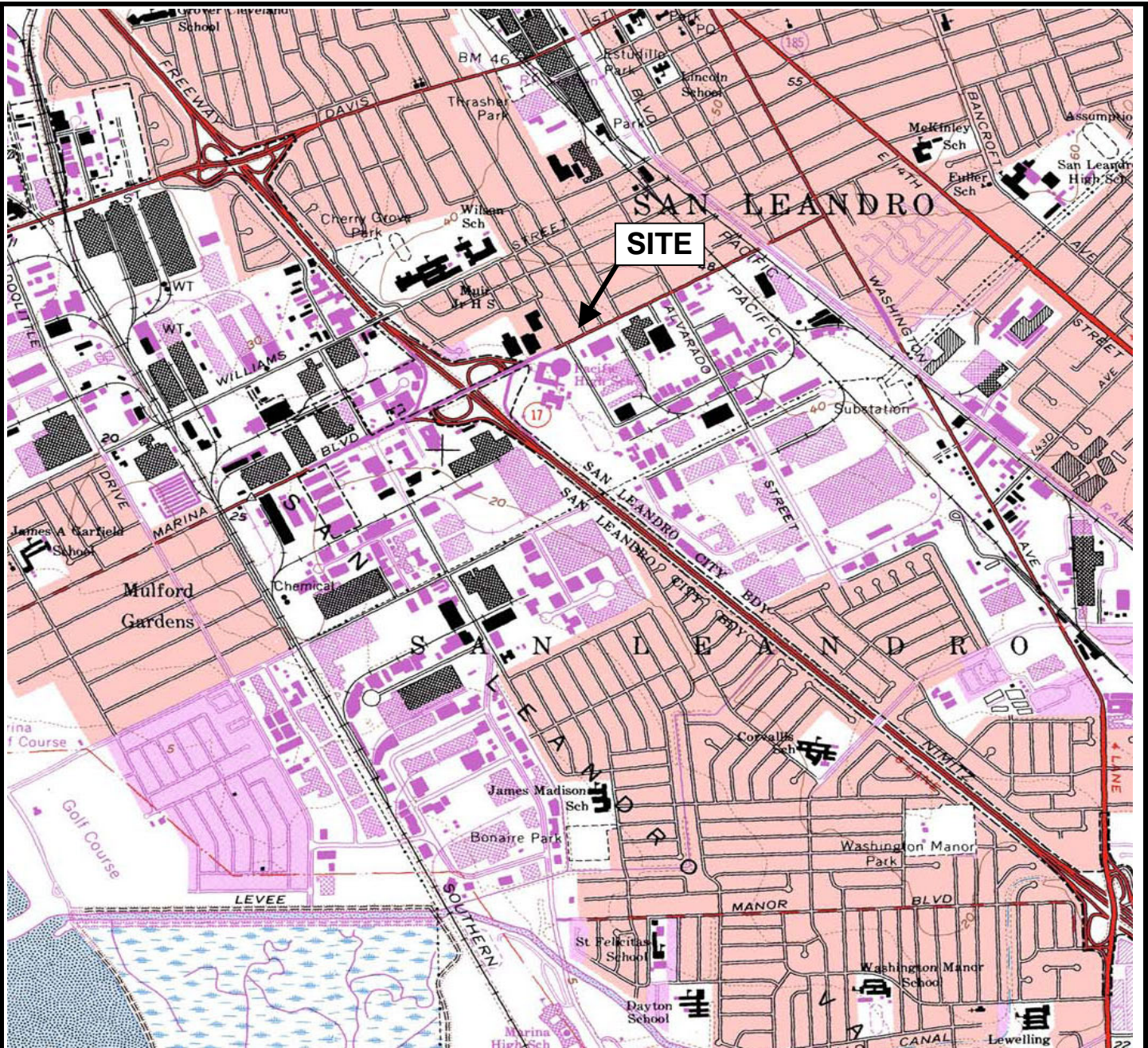
Soil Boring	Depth (feet)	Sample Date	TPHg ^(a) (mg/kg)	Benzene ^(b) (µg/kg)	Toluene ^(b) (µg/kg)	Ethylbenzene ^(b) (µg/kg)	Total Xylenes ^(b) (µg/kg)	MTBE ^(b) (µg/kg)
MW-9	5	12/20/1994	ND<1	ND<5	ND<5	ND<5	ND<5	--
	10	12/20/1994	1.0	100	ND<5	ND<5	ND<5	--
	15	12/20/1994	280	2,800	6,900	7,000	29,000	--
VW-1	10	12/21/1994	1.2	120	ND<5	27	14	--
	15	12/21/1994	1,600	12,000	54,000	36,000	180,000	--
SP-1	10	12/20/1994	1.7	49	6.3	74	120	--
	15	12/20/1994	270	1,000	6,300	5,700	26,000	--
SP-2	10	12/21/1994	1.3	74	19	30	160	--
	15	12/21/1994	1,100	4,900	36,000	21,000	94,000	--
SP-3	5	12/20/1994	ND<1	ND<5	ND<5	ND<5	ND<5	--
	15	12/20/1994	900	3,900	25,000	20,000	93,000	--
SP-4	10	12/20/1994	2	300	ND<5	63	65	--
	15	12/20/1994	340	3,200	8,100	8,400	42,000	--
SP-5	10	12/21/1994	ND<1	11	ND<5	ND<5	ND<5	--
	15	12/21/1994	57	440	630	940	4,600	--
SP-6	5	12/20/1994	ND<1	ND<5	ND<5	ND<5	ND<5	--
	10	12/20/1994	ND<1	98	ND<5	18	ND<5	--
	15	12/20/1994	280	2,900	9,000	5,700	27,000	--

(a) Total petroleum hydrocarbons as gasoline (TPHg) analyzed by EPA Method 8015; reported in milligrams per kilogram (mg/kg).

(b) Benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether (MTBE) analyzed by EPA Methods 8010 or 8260; reported in micrograms per kilogram (µg/kg).

(c) "--" Not analyzed.

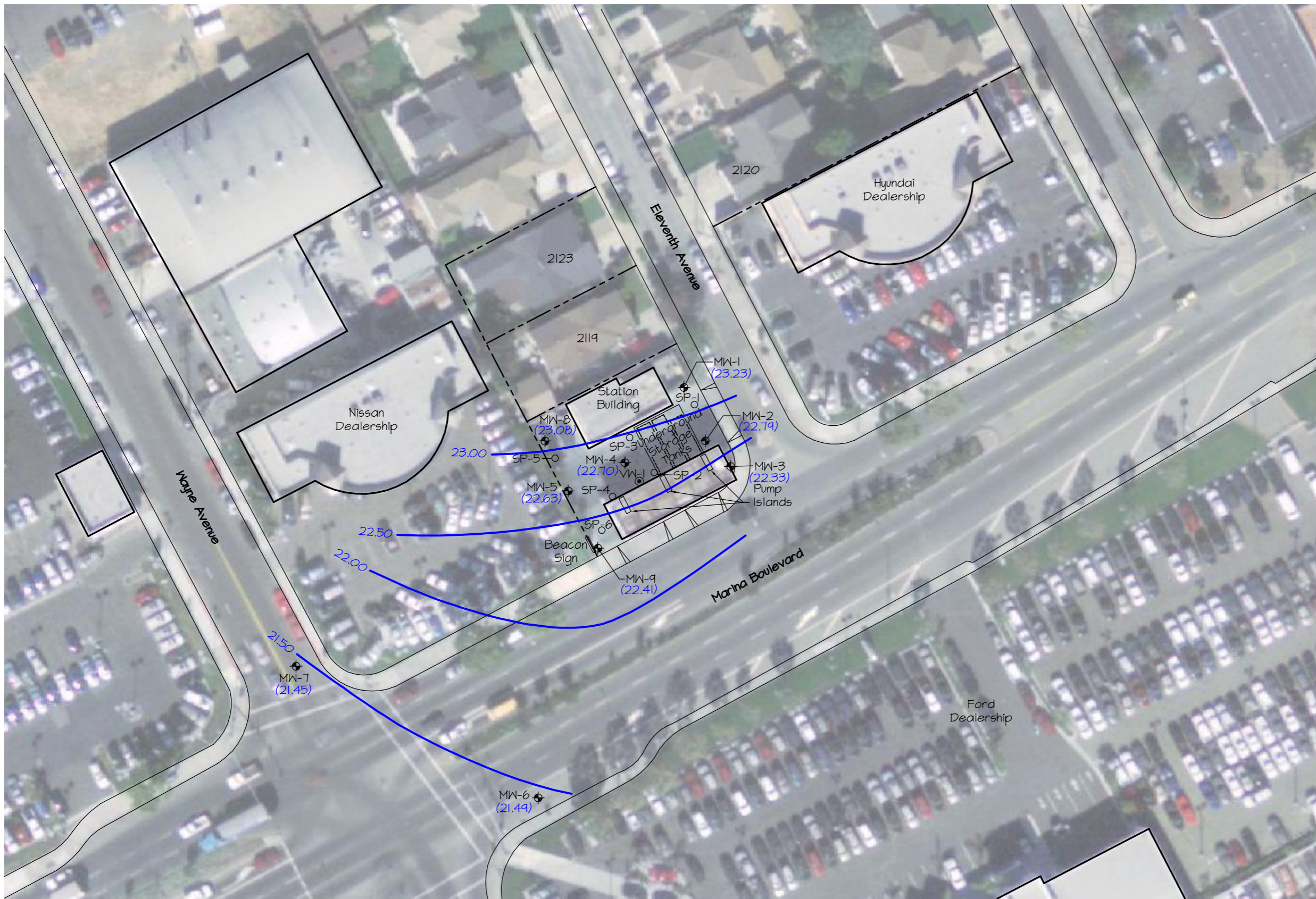
(d) ND - Not detected at the reporting limit listed.



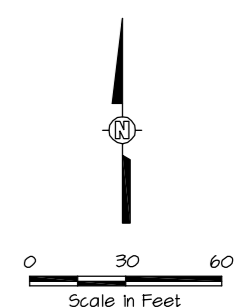
REFERENCE
 7.5 MINUTE USGS TOPOGRAPHIC MAP OF
 SAN LEANDRO, CALIFORNIA QUADRANGLE
 DATE: 1959, PHOTOREVISED 1980
 SCALE = 1:24,000

ARCTOS ENVIRONMENTAL			
TESORO - SAN LEANDRO, 67106			
SITE LOCATION MAP			
PROJECT NO. 01DO	DRAWN BY MP	CHECKED BY MP	APPROVED BY JG
FILE NO. Site Map.xls	FIGURE 1		

01D011B0400.dwg
4/16/2008 8:05AM

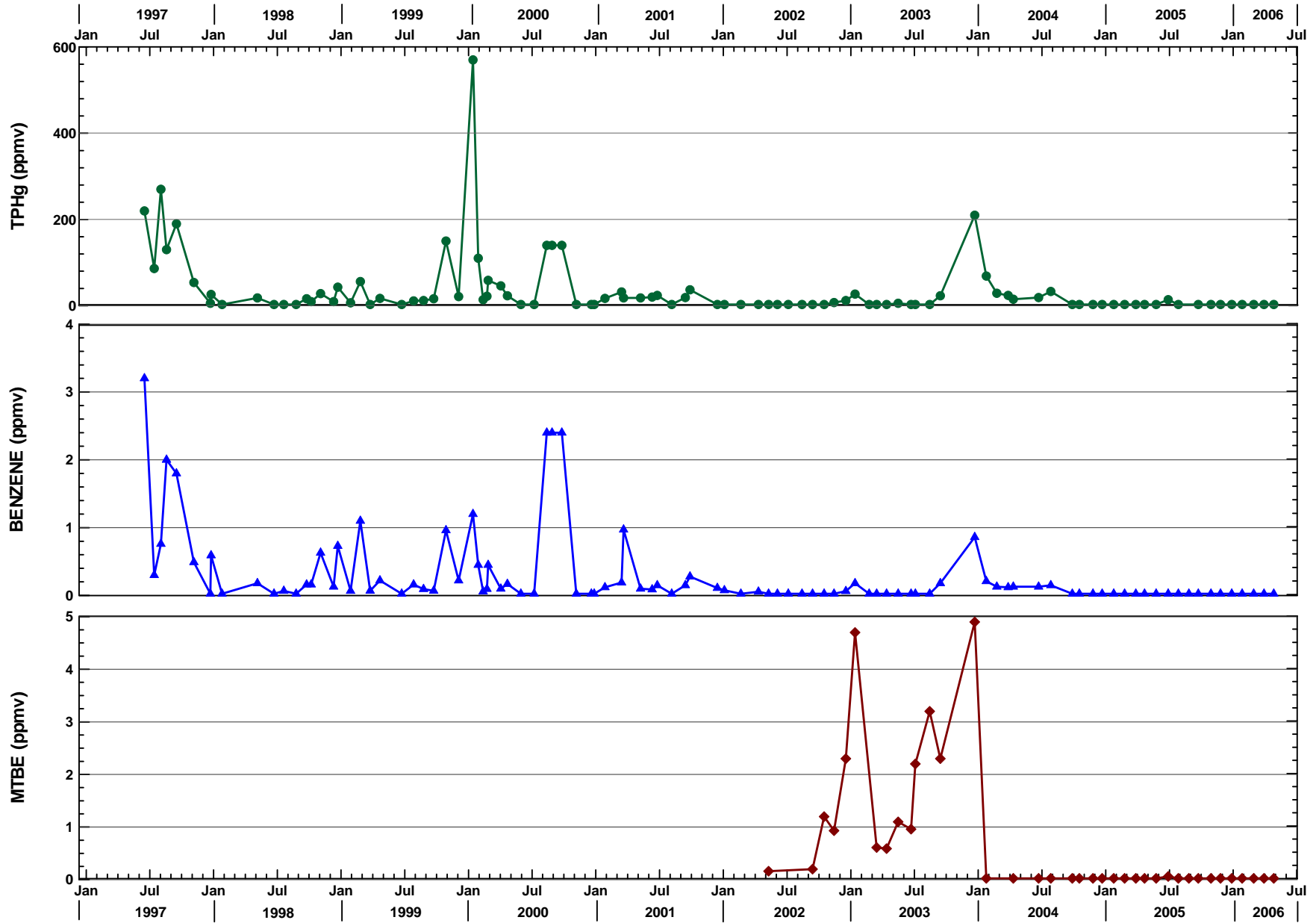


- Legend
- MW-1 Monitoring Well with 27 January 2008 Groundwater Elevation (Feet MSL)
 - VW-1 Vapor Extraction Well
 - SP-1 Air Sparging Well
 - Groundwater Elevation Contour (Feet MSL)



ARCTOS ENVIRONMENTAL			
TESORO - SAN LEANDRO			
SITE PLAN			
PROJECT NO. OIDO	DRAWN BY MY	CHECKED BY MP	APPROVED BY JPG
FILE NO. O1D011B0400.DWG		FIGURE 2	

REVISION	REVISIONS		
	NO.	BY	DATE
0	MY	3/6/08	First Quarter 2008 Status Report



Note: Non-detect results are plotted at one-half the detection limit.

ARCTOS ARCTOS ENVIRONMENTAL

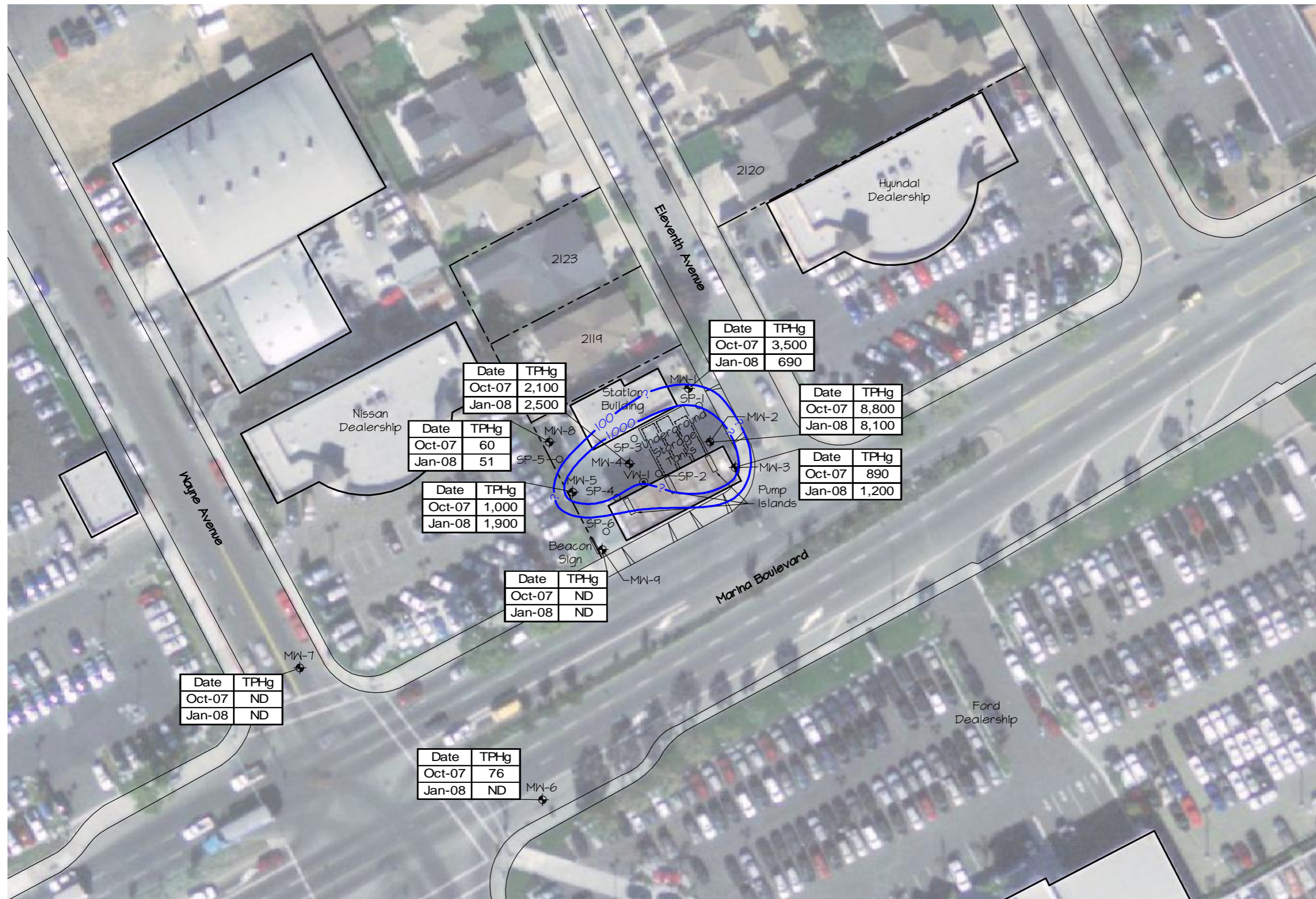
PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. SVE-Influent.GRF	CHECKED BY JPG		

**Tesoro - San Leandro
67106**

**SOIL VAPOR INFLUENT
CONCENTRATIONS**

Figure 3

01D011B0200.dwg
4/24/2008 7:04PM



Legend

MW-1 ◈ Monitoring Well with 24 October 2007 and 27 January 2008 Total Petroleum Hydrocarbons as Gasoline (TPHg) Results in µg/l

VW-1 ● Vapor Extraction Well

SP-1 ○ Air Sparging Well

ND Not Detected

100 — TPHg Concentration Contour (µg/l), Queried Where Uncertain

Date	TPHg
Oct-07	3,500
Jan-08	690

Date	TPHg
Oct-07	2,100
Jan-08	2,500

Date	TPHg
Oct-07	60
Jan-08	51

Date	TPHg
Oct-07	1,000
Jan-08	1,900

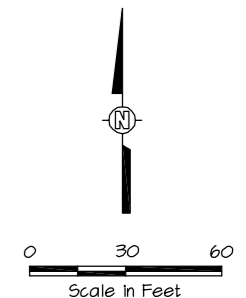
Date	TPHg
Oct-07	8,800
Jan-08	8,100

Date	TPHg
Oct-07	890
Jan-08	1,200

Date	TPHg
Oct-07	ND
Jan-08	ND

Date	TPHg
Oct-07	ND
Jan-08	ND

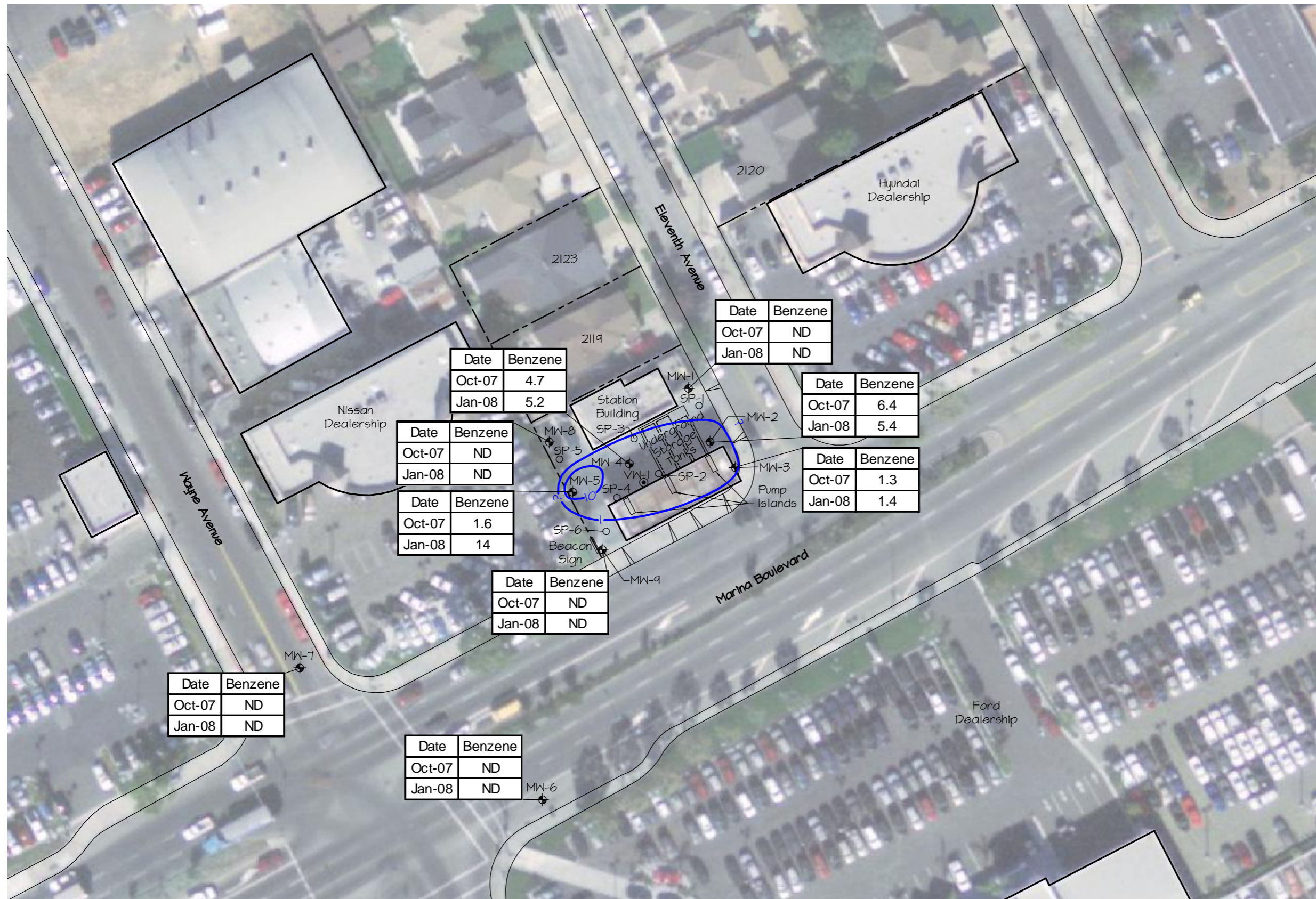
Date	TPHg
Oct-07	76
Jan-08	ND



ARCTOS ENVIRONMENTAL			
TESORO - SAN LEANDRO			
TPHg CONCENTRATION CONTOURS IN GROUNDWATER			
PROJECT NO. O1D0	DRAWN BY MY	CHECKED BY MP	APPROVED BY JPG
FILE NO. O1D011B0200.DWG		FIGURE 4	

REVISION	REVISIONS		
	NO.	BY	DATE
0	MY	3/6/08	First Quarter 2008 Status Report

01D011B0300.dwg
4/24/2008 7:02PM



Legend
 MW-1 ◈ Monitoring Well with 24 October 2007 and 27 January 2008 Benzene Results in µg/l
 VW-1 ◉ Vapor Extraction Well
 SP-1 ○ Air Sparging Well
 ND Not Detected
 — Benzene Concentration Contour (µg/l), Queried Where Uncertain

Date	Benzene
Oct-07	ND
Jan-08	ND

Date	Benzene
Oct-07	4.7
Jan-08	5.2

Date	Benzene
Oct-07	ND
Jan-08	ND

Date	Benzene
Oct-07	1.6
Jan-08	14

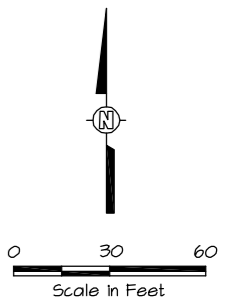
Date	Benzene
Oct-07	ND
Jan-08	ND

Date	Benzene
Oct-07	6.4
Jan-08	5.4

Date	Benzene
Oct-07	1.3
Jan-08	1.4

Date	Benzene
Oct-07	ND
Jan-08	ND

Date	Benzene
Oct-07	ND
Jan-08	ND

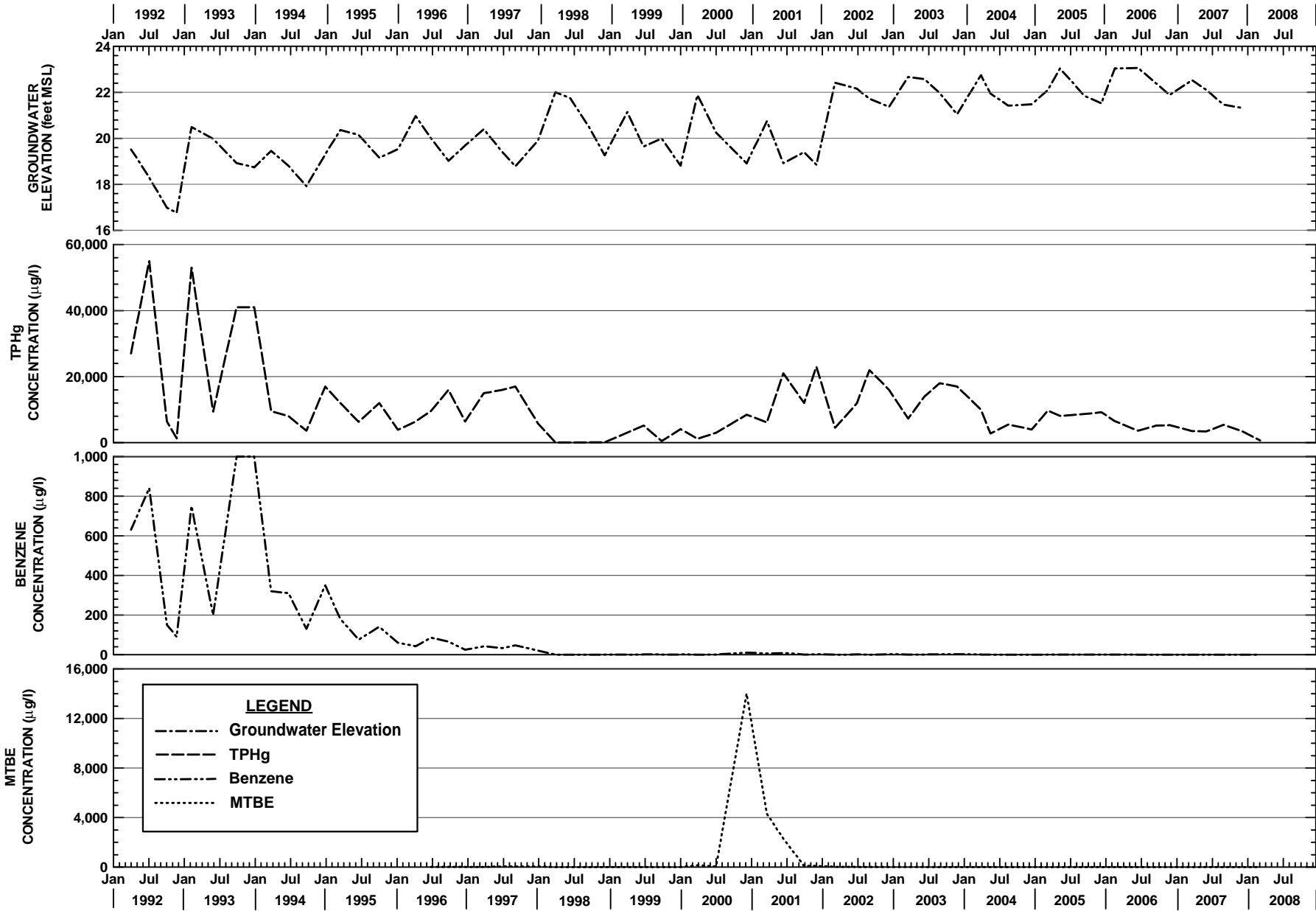


REVISION	REVISIONS		
	NO.	BY	DATE
0	MY	3/6/08	First Quarter 2008 Status Report

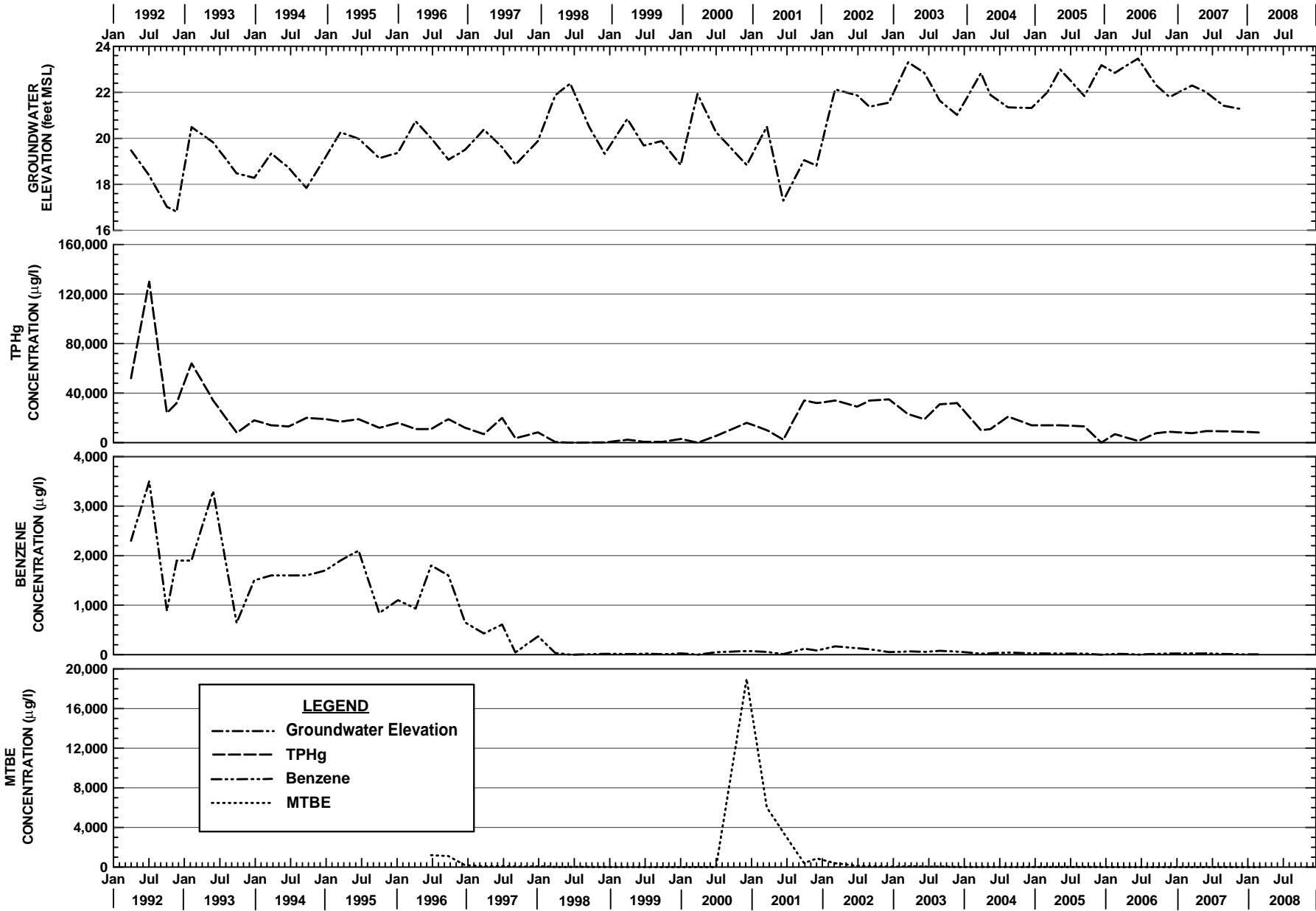
ARCTOS ENVIRONMENTAL
 TESORO - SAN LEANDRO

**BENZENE CONCENTRATION
 CONTOURS IN GROUNDWATER**

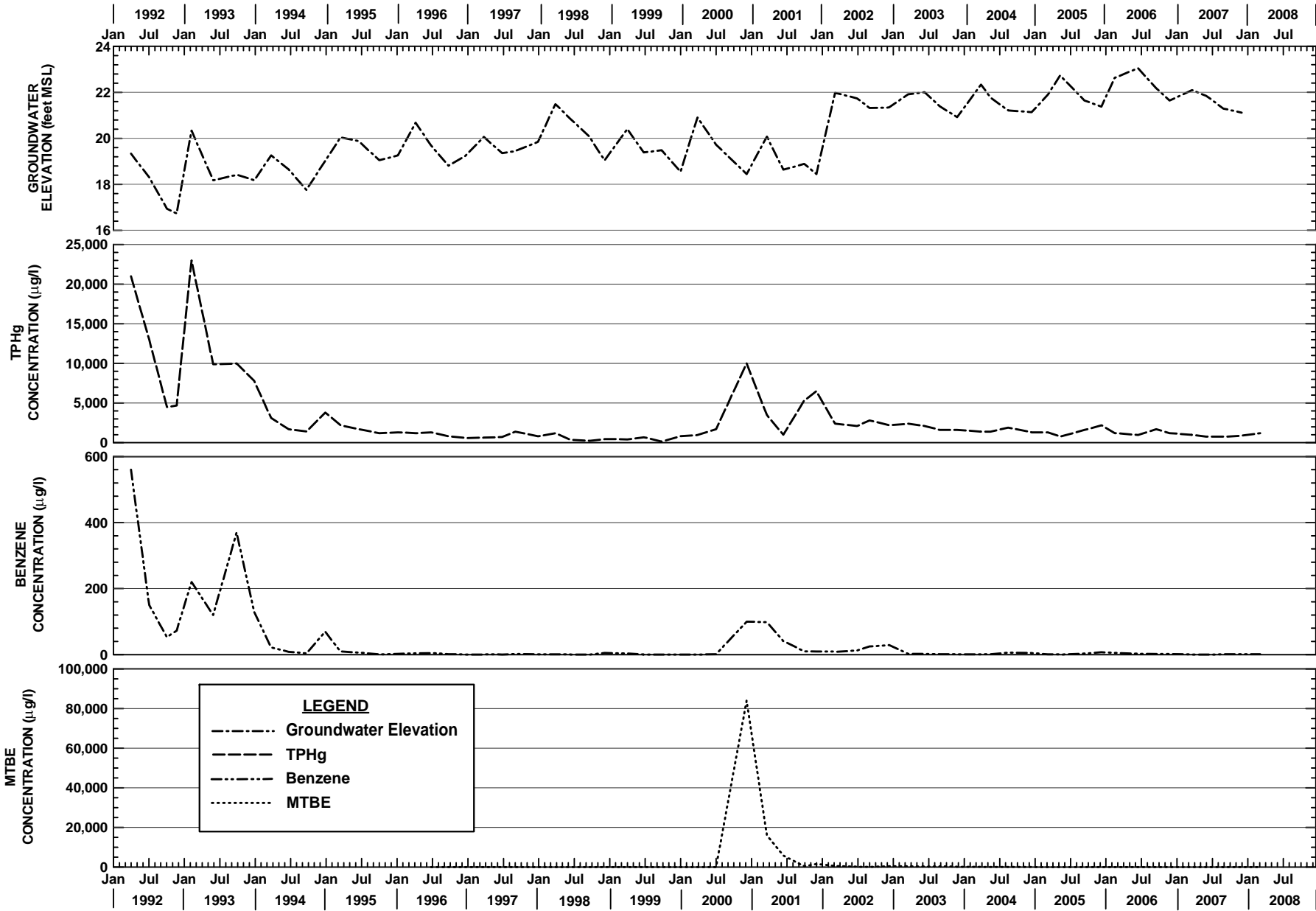
PROJECT NO. O1D0	DRAWN BY MY	CHECKED BY MP	APPROVED BY JPG
FILE NO. O1D011B0300.DWG		FIGURE 5	



Note: Non-detect results are plotted at one-half the detection limit.



Note: Non-detect results are plotted at one-half the detection limit.



Note: Non-detect results are plotted at one-half the detection limit.

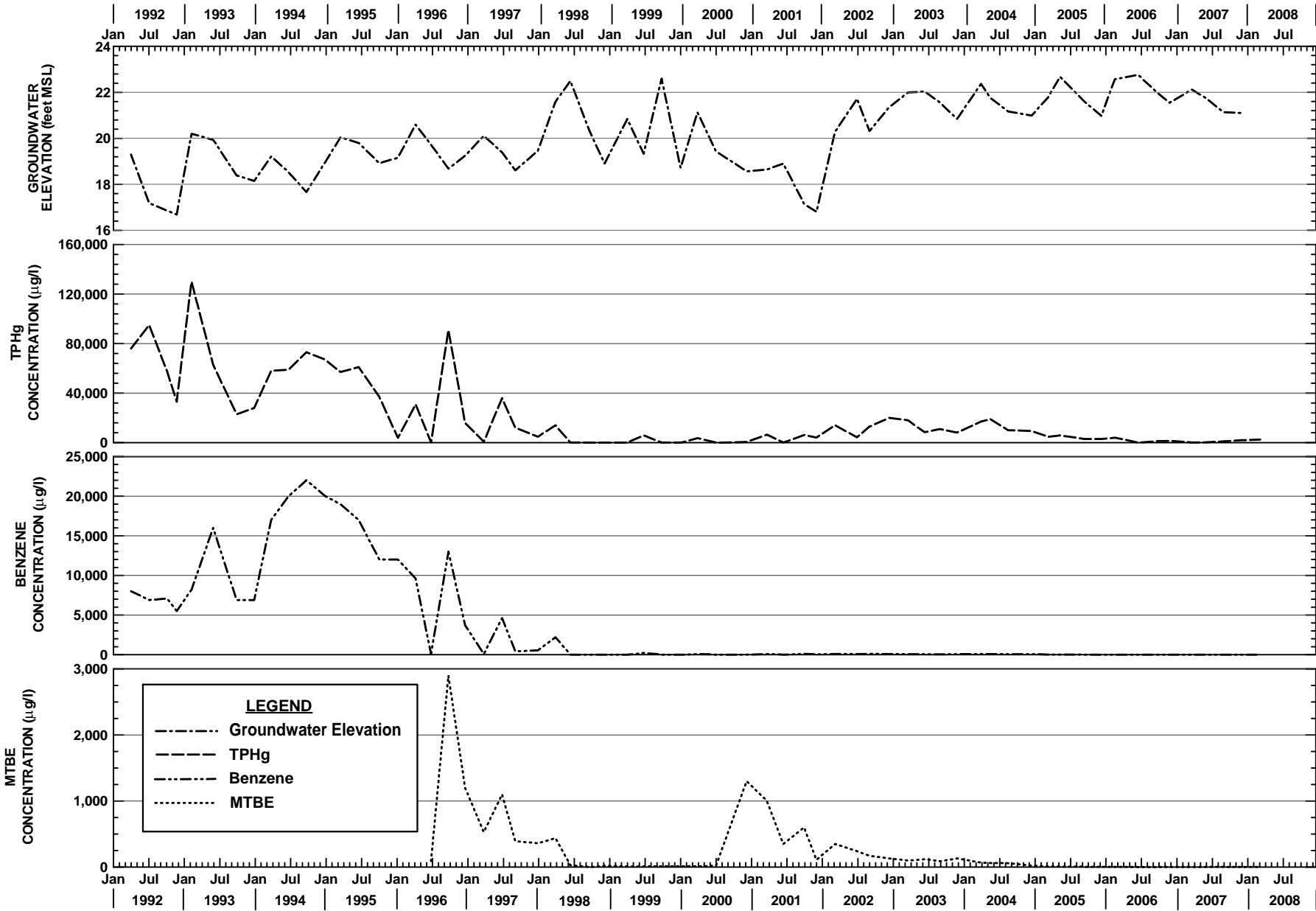
ARCTOS ARCTOS ENVIRONMENTAL

PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. 01DOMW03.GRF	CHECKED BY JPG		

**Tesoro - San Leandro
67106**

**TPHg, BENZENE, AND MTBE RESULTS
FOR WELL MW-3**

Figure 6C



Note: Non-detect results are plotted at one-half the detection limit.

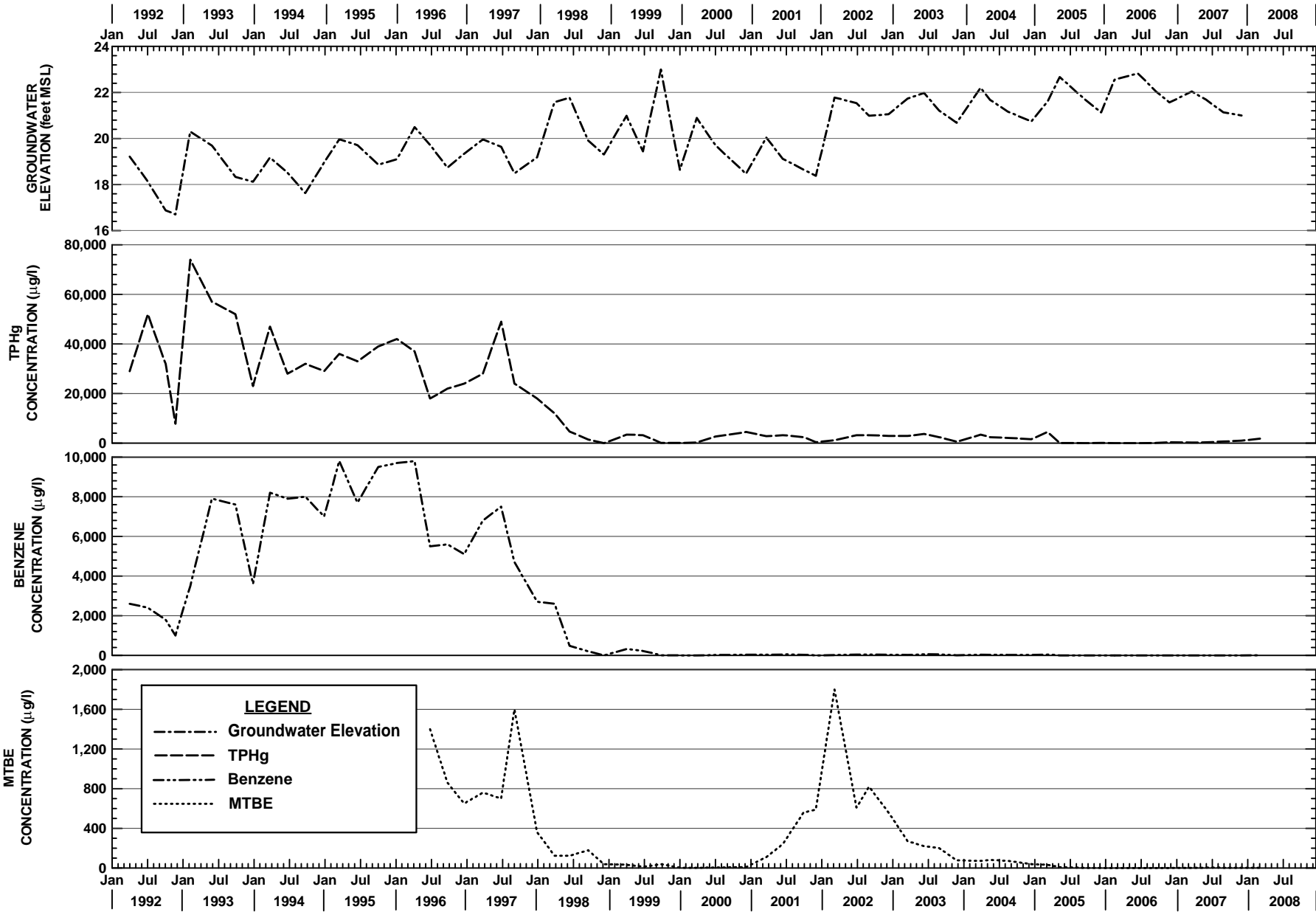
ARCTOS ARCTOS ENVIRONMENTAL

PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. 01DOMW04.GRF	CHECKED BY JPG		

**Tesoro - San Leandro
67106**

**TPHg, BENZENE, AND MTBE RESULTS
FOR WELL MW-4**

Figure 6D



Note: Non-detect results are plotted at one-half the detection limit.

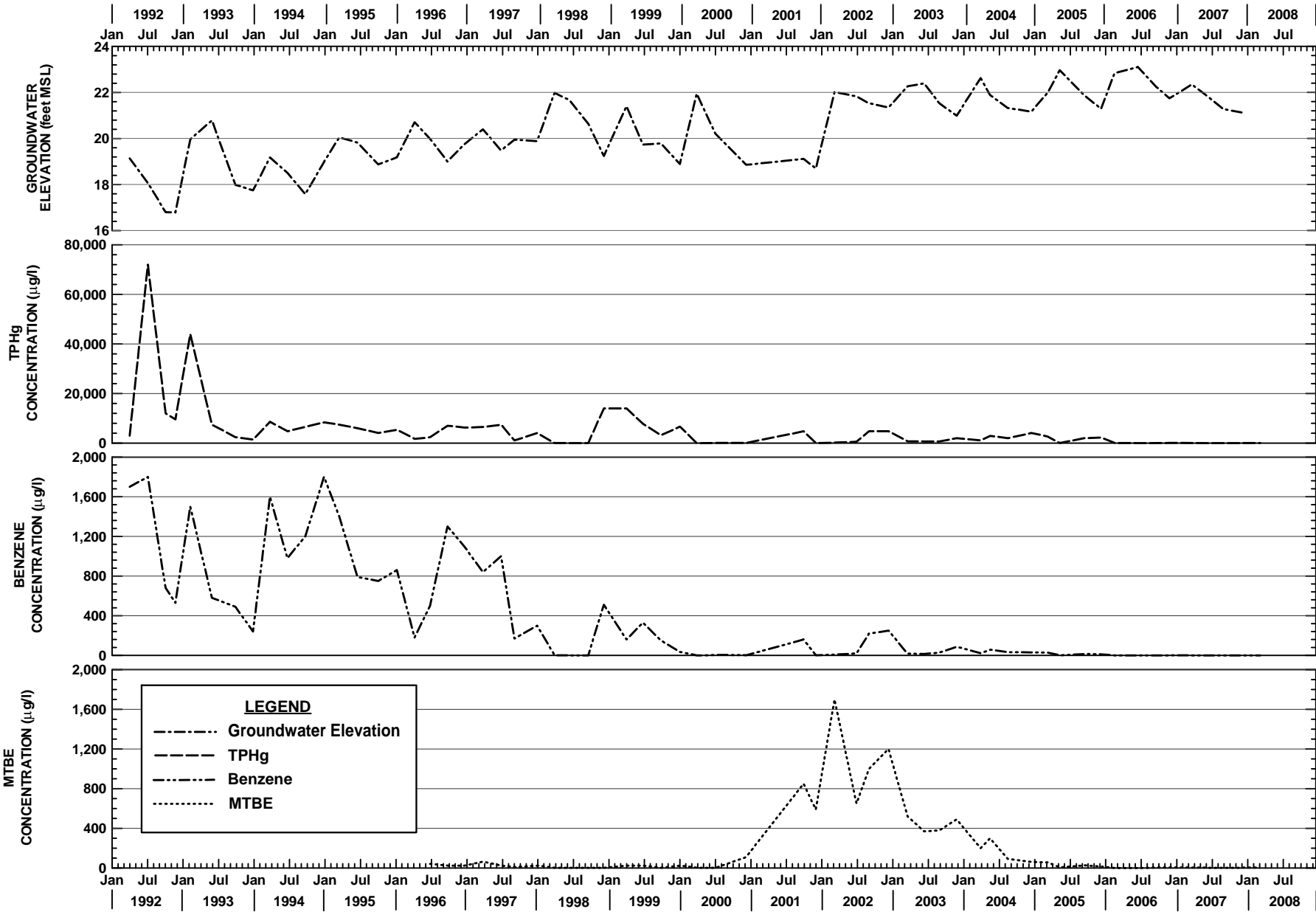
ARCTOS ARCTOS ENVIRONMENTAL

PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. 01DOMW05.GRF	CHECKED BY JPG		

**Tesoro - San Leandro
67106**

**TPHg, BENZENE, AND MTBE RESULTS
FOR WELL MW-5**

Figure 6E



Note: Non-detect results are plotted at one-half the detection limit.

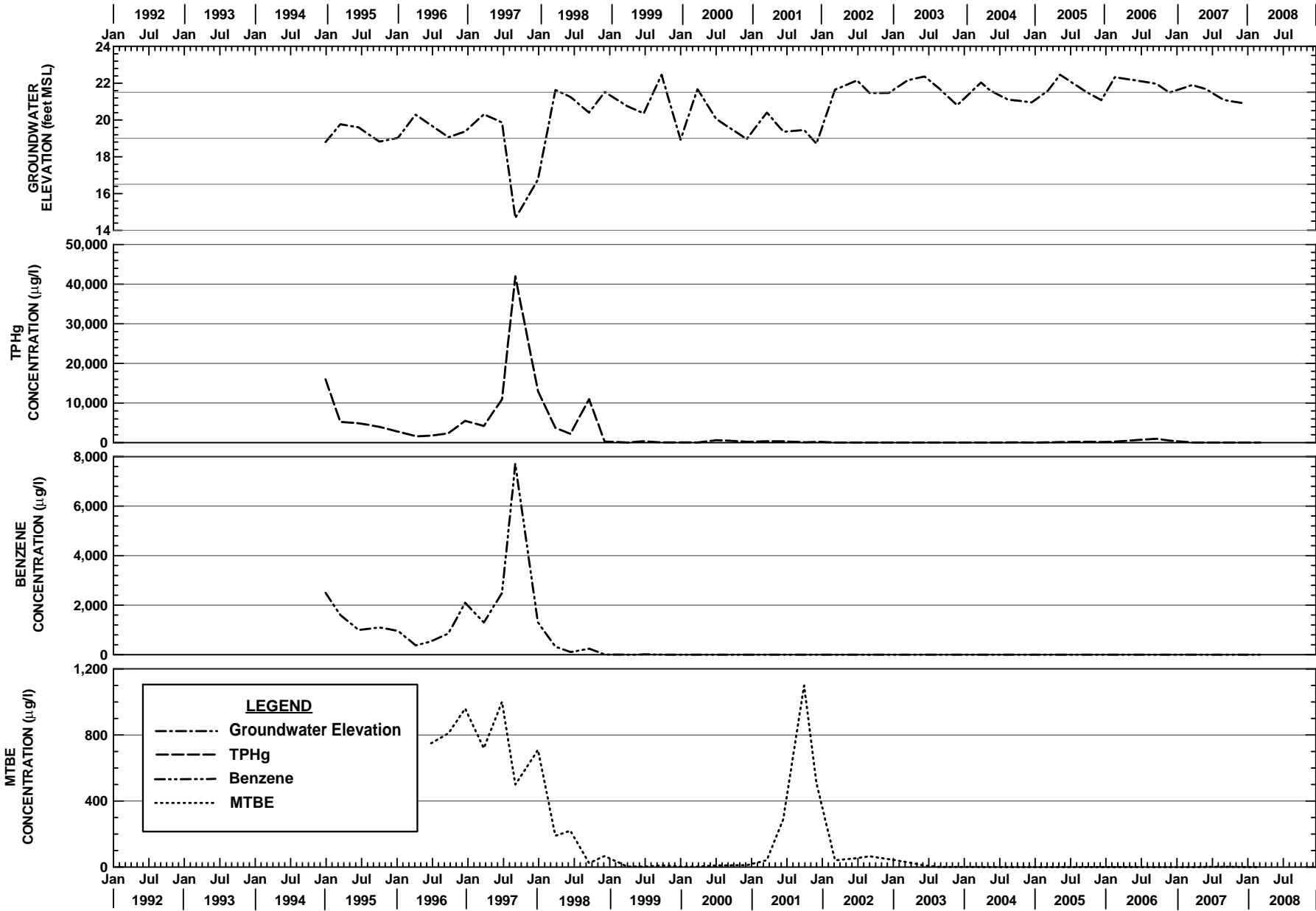
ARCTOS ARCTOS ENVIRONMENTAL

PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. 01DOMW08.GRF	CHECKED BY JPG		

**Tesoro - San Leandro
67106**

**TPHg, BENZENE, AND MTBE RESULTS
FOR WELL MW-8**

Figure 6F



Note: Non-detect results are plotted at one-half the detection limit.

ARCTOS ARCTOS ENVIRONMENTAL

PROJECT NO. 01DO	DATE APR 2008	DRAWN BY MP	DESIGNED BY DN
FILE NO. 01DOMW09.GRF	CHECKED BY JPG		

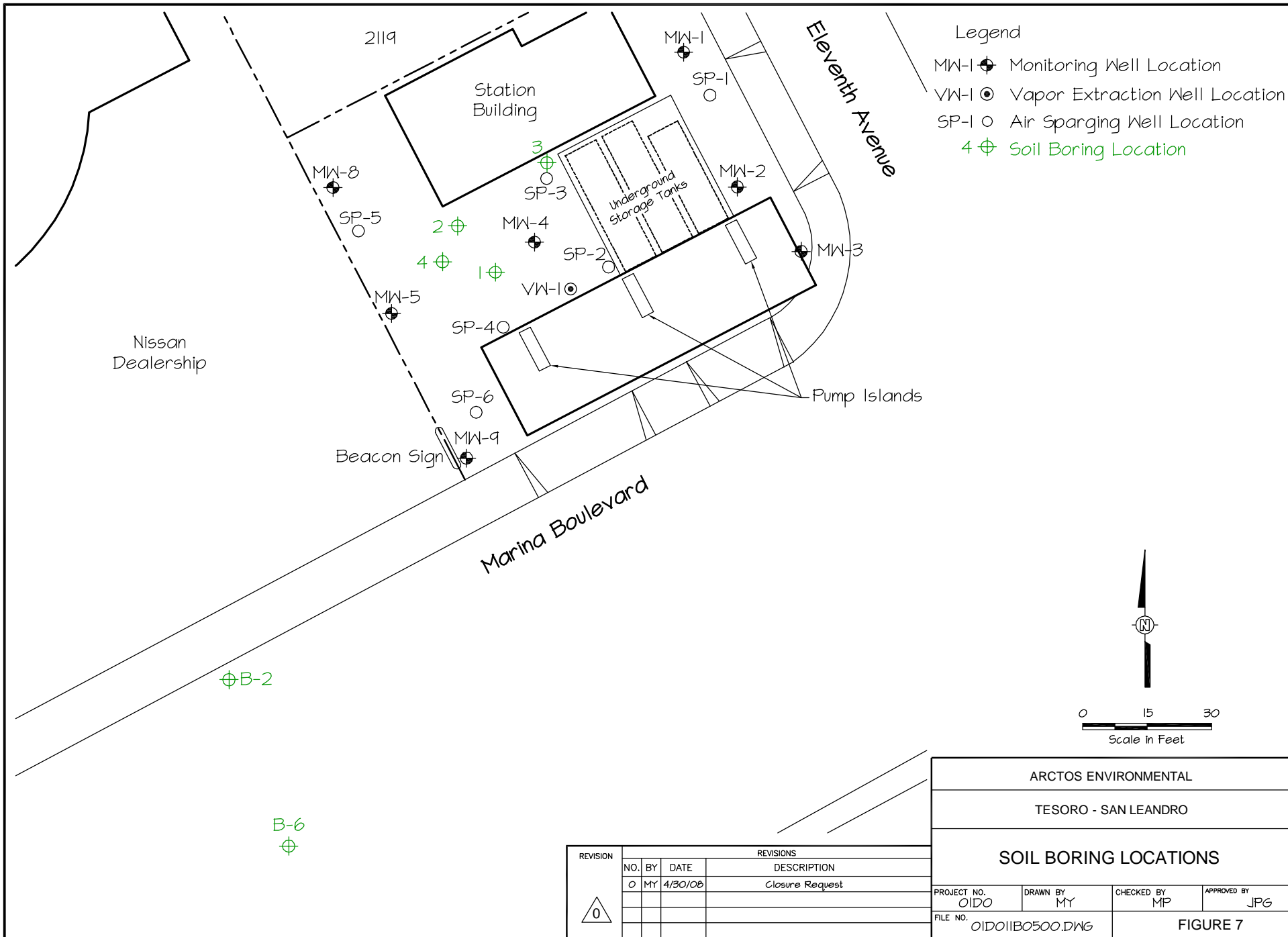
**Tesoro - San Leandro
67106**

**TPHg, BENZENE, AND MTBE RESULTS
FOR WELL MW-9**

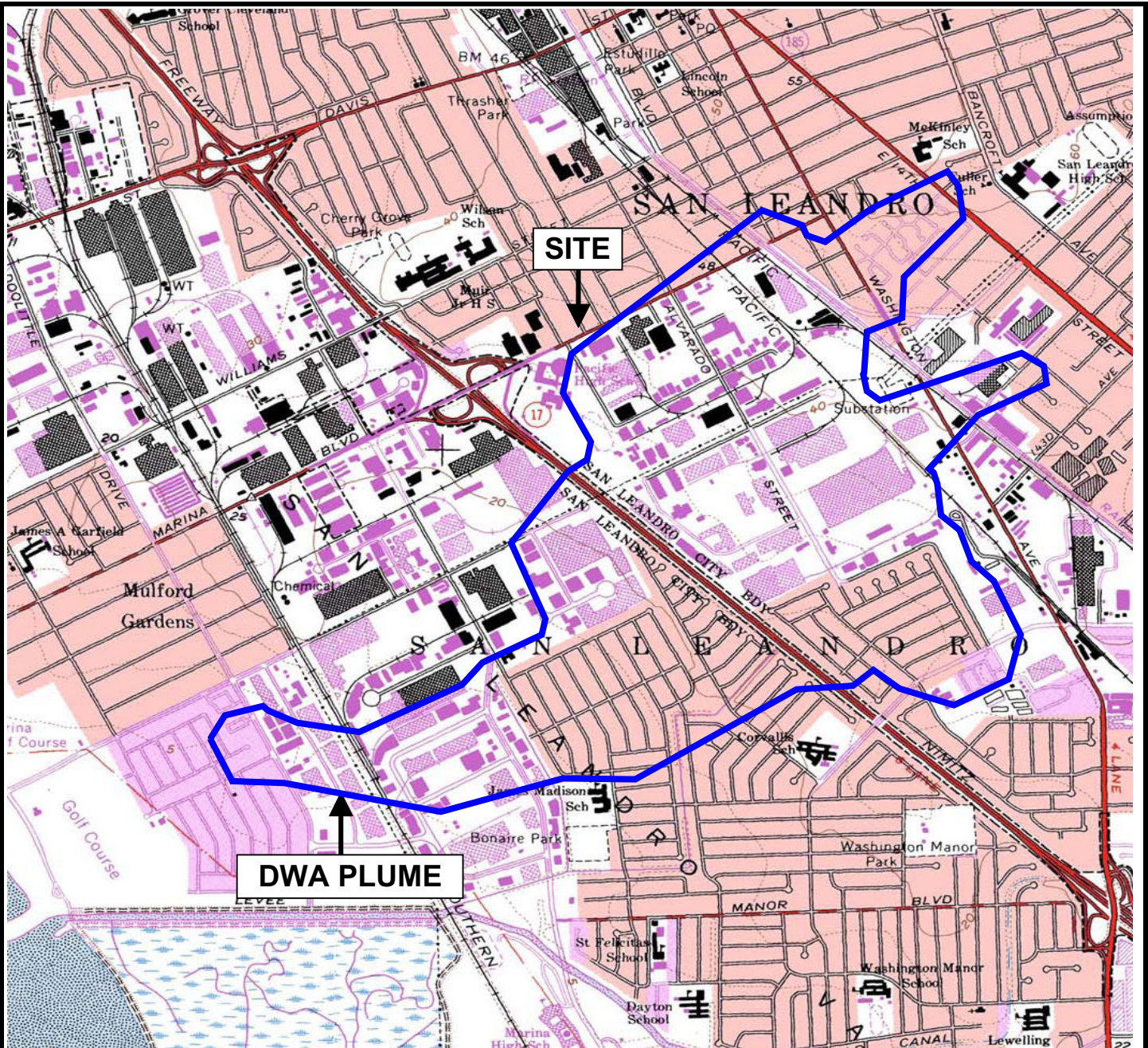
Figure 6G

01D011B0500.dwg

4/24/2008 7:01PM



REVISION	REVISIONS			
	NO.	BY	DATE	DESCRIPTION
0	0	MY	4/30/08	Closure Request



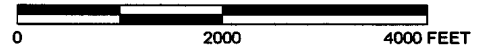
REFERENCE

Weiss Associates, 2008. *Fourth Quarter Ground Water Monitoring Event, San Leandro Residential Area, Technical Memorandum 8*, 20 March.

7.5 Minute USGS Topographic Map of San Leandro, California Quadrangle
 Date: 1959, Photorevised 1980
 Scale = 1:24,000



SCALE



ARCTOS ENVIRONMENTAL			
TESORO - SAN LEANDRO, 67106			
DWA PLUME MAP			
PROJECT NO. 01DO	DRAWN BY MP	CHECKED BY MP	APPROVED BY JG
FILE NO. DWA Plume Map.xls		FIGURE 8	

ATTACHMENT A
HISTORICAL INFLUENT SVE SAMPLING RESULTS

TABLE A-1

HISTORICAL INFLUENT SVE SAMPLING RESULTS
TESORO - SAN LEANDRO, 67106

Sample ID	Date	TPH ^(a) (ppmv)	Benzene ^(a) (ppmv)	Toluene ^(a) (ppmv)	Ethylbenzene ^(a) (ppmv)	Xylenes ^(a) (ppmv)	MTBE ^(a) (ppmv)
Influent	6/5/97	220	3.2	0.72	1.2	2.5	-- ^(b)
Influent	7/3/97	86	0.30	0.67	0.23	1.8	--
Influent	7/22/97	270	0.8	1.6	0.92	5.3	--
Influent	8/7/97	130	2.0	1.3	0.53	2.7	--
Influent	9/4/97	190	1.8	0.73	1.3	5.9	--
Influent	10/24/97	54	0.49	0.52	0.35	2.3	--
Influent	12/10/97	5.8	ND<0.05 ^(c)	0.44	0.076	0.37	--
Influent	12/12/97	26	0.59	0.17	0.49	2.0	--
Influent	1/12/98	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--
Influent	4/23/98	18	0.18	0.32	0.072	0.47	--
Influent	6/9/98	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--
Influent	7/7/98	ND<5	0.067	ND<0.05	ND<0.05	ND<0.05	--
Influent	8/11/98	ND<5	ND<0.05	0.06	ND<0.05	0.071	--
Influent	9/10/98	16	0.16	0.46	0.062	0.20	--
Influent	9/23/98	9.4	0.16	0.32	ND<0.05	0.20	--
Influent	10/20/98	28	0.63	0.19	0.062	0.17	--
Influent	11/26/98	9.2	0.13	0.43	0.072	0.35	--
Influent	12/8/98	43	0.73	2.2	0.15	0.71	--
Influent	1/13/99	6.5	0.068	0.057	ND<0.05	0.095	--
Influent	2/10/99	56	1.1	1.2	0.071	0.28	--
Influent	3/10/99	ND<5	0.07	ND<0.05	ND<0.05	ND<0.05	--
Influent	4/7/99	17	0.22	0.078	ND<0.05	0.060	--
Influent	6/8/99	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--
Influent	7/12/99	11	0.16	0.77	ND<0.05	0.18	--
Influent	8/9/99	12	0.092	1.0	0.20	0.94	--
Influent	9/7/99	16	0.069	0.41	0.07	0.38	--
Influent	10/12/99	150	0.96	8.6	1.1	4.7	--
Influent	11/17/99	21	0.22	1.9	0.32	1.7	--
Influent	12/28/99	570	1.2	22	2.4	12	--
Influent	1/12/00	110	0.45	1.7	0.18	1.0	--
Influent	1/26/00	14	0.059	0.77	0.19	1.1	--
Influent	2/6/00	22	0.095	1.4	0.18	0.87	--
Influent	2/9/00	59	0.45	3.1	0.52	2.8	--

TABLE A-1

HISTORICAL INFLUENT SVE SAMPLING RESULTS
TESORO - SAN LEANDRO, 67106

Sample ID	Date	TPH ^(a) (ppmv)	Benzene ^(a) (ppmv)	Toluene ^(a) (ppmv)	Ethylbenzene ^(a) (ppmv)	Xylenes ^(a) (ppmv)	MTBE ^(a) (ppmv)
Influent	3/16/00	46	0.10	3.5	0.54	4.1	--
Influent	4/4/00	23	0.17	1.9	0.29	2.0	--
Influent	5/12/00	ND<5	ND<0.05	0.059	ND<0.05	0.091	--
Influent	6/19/00	ND<5	ND<0.05	0.12	ND<0.05	ND<0.05	--
Influent	7/25/00	140	2.4	8.1	0.80	3.5	--
Influent	8/9/00	140	2.4	8.1	0.80	3.5	--
Influent	9/6/00	140	2.4	8.1	0.80	3.5	--
Influent	10/17/00	ND<5	ND<0.05	0.075	ND<0.05	0.14	--
Influent	11/29/00	ND<5	ND<0.05	0.24	0.08	0.29	--
Influent	12/7/00	ND<5	ND<0.05	0.13	ND<0.05	0.064	--
Influent	1/7/01	17	0.12	0.85	0.16	0.92	--
Influent	2/23/01	32	0.19	1.6	0.19	1.1	--
Influent	3/1/01	18	0.97	1.2	0.13	0.64	--
Influent	4/18/01	18	0.10	0.63	0.12	0.56	--
Influent	5/21/01	20	0.088	1.0	0.31	1.5	--
Influent	6/5/01	24	0.15	1.5	0.36	1.6	--
Influent	7/16/01	ND<5	ND<0.05	0.11	ND<0.05	0.14	--
Influent	8/24/01	19	0.15	1.1	0.16	0.71	--
Influent	9/6/01	37	0.28	1.8	0.38	1.6	--
Influent	11/23/01	ND<5	0.11	0.17	ND<0.05	0.10	--
Influent	12/13/01	ND<5	0.076	0.16	ND<0.05	0.063	--
Influent	1/29/02	ND<5	ND<0.05	0.12	ND<0.05	0.067	--
Influent	3/20/02	ND<5	0.054	0.12	ND<0.05	ND<0.05	--
Influent	4/18/02	ND<5	ND<0.05	0.076	ND<0.05	0.092	0.16
Influent	5/13/02	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--
Influent	6/13/02	ND<5	ND<0.05	0.07	ND<0.05	ND<0.05	--
Influent	7/22/02	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	--
Influent	8/21/02	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	0.2
Influent	9/23/02	ND<5	ND<0.05	0.19	ND<0.05	0.12	1.2
Influent	10/21/02	7.3	ND<0.05	0.46	0.068	0.33	0.93
Influent	11/24/02	12	0.064	0.80	0.11	0.56	2.3
Influent	12/20/02	27	0.18	2.6	0.34	1.4	4.7

TABLE A-1

**HISTORICAL INFLUENT SVE SAMPLING RESULTS
TESORO - SAN LEANDRO, 67106**

Sample ID	Date	TPH^(a) (ppmv)	Benzene^(a) (ppmv)	Toluene^(a) (ppmv)	Ethylbenzene^(a) (ppmv)	Xylenes^(a) (ppmv)	MTBE^(a) (ppmv)
Influent	1/29/03	ND<5	ND<0.05	0.11	ND<0.05	0.071	NA
Influent	2/20/03	ND<5	ND<0.05	0.19	ND<0.05	0.17	0.61
Influent	3/20/03	ND<5	ND<0.05	0.12	ND<0.05	0.11	0.59
Influent	4/22/03	5.6	ND<0.05	0.15	0.067	0.44	1.1
Influent	5/29/03	ND<5	ND<0.05	0.09	ND<0.05	0.084	0.96
Influent	6/10/03	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	2.2
Influent	7/21/03	ND<5	ND<0.05	0.077	ND<0.05	ND<0.05	3.2
Influent	8/20/03	23	0.18	1.0	0.095	0.58	2.3
Influent	11/26/03	210	0.86	9.5	1.2	5.4	4.9
Influent	12/29/03	69	0.21	4.1	0.68	4.1	ND<0.05
Influent	1/28/04	29	0.13	1.7	0.31	1.4	ND<0.1
Influent	2/29/04	24	0.12	0.91	0.29	2.0	ND<0.1
Influent	3/15/04	15	0.13	0.72	0.15	0.88	ND<0.05
Influent	5/26/04	19	0.13	0.88	0.24	1.3	ND<0.05
Influent	6/30/04	33	0.15	0.83	0.30	1.7	ND<0.05
Influent	8/30/04	ND<5	ND<0.05	0.05	ND<0.05	0.14	ND<0.05
Influent	9/19/04	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	10/28/04	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	11/23/04	ND<5	ND<0.05	0.056	ND<0.05	ND<0.05	ND<0.05
Influent	12/26/04	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	1/26/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	2/27/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	3/24/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	4/26/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	5/30/05	14	ND<0.05	0.08	0.086	0.68	0.06
Influent	6/28/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	7/28/05	58 ^(d)	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	8/24/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	9/29/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	10/26/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	11/27/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	12/27/05	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05

TABLE A-1

**HISTORICAL INFLUENT SVE SAMPLING RESULTS
TESORO - SAN LEANDRO, 67106**

Sample ID	Date	TPH^(a) (ppmv)	Benzene^(a) (ppmv)	Toluene^(a) (ppmv)	Ethylbenzene^(a) (ppmv)	Xylenes^(a) (ppmv)	MTBE^(a) (ppmv)
Influent	1/29/06	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	2/27/06	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Influent	3/27/06	ND<5	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05

- (a) Results for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether (MTBE), provided by RDM Environmental, Inc. (RDM), Site Conceptual Model Update Second Quarter 2006 Report dated 15 August 2006.
- (b) "--" Not analyzed.
- (c) ND - Not detected at the concentration listed.
- (d) It was determined that the tedlar bag manufacturer had produced and shipped contaminated bags. Results not included in figures.

ATTACHMENT B
GROUNDWATER SAMPLING QA/QC PROCEDURES

ATTACHMENT B
GROUNDWATER SAMPLING QA/QC PROCEDURES

B.1 Field Program for Groundwater Sampling

Before groundwater sampling, the depth to groundwater of each well was measured and recorded on field data sheets. Depth to groundwater and groundwater elevations are summarized in attached tables.

During groundwater sampling, field observations of the groundwater were recorded on the field data sheets. Groundwater samples were collected after the temperature, pH, and specific conductivity of the groundwater had stabilized to within approximately 10 percent of the previous reading and at least 3 casing volumes of groundwater were removed from the well, unless the well purged dry. Well purge water was stored temporarily on site in 55-gallon drums.

Sampling was performed using new disposable polyethylene bailers suspended from new nylon line. The bailers were equipped with a bottom-release device. Water samples were collected from the wells in new 40-milliliter glass bottles with Teflon-lined caps provided by the analytical laboratory.

B.2 Analytical Program

The groundwater samples were analyzed by Kiff Analytical LLC, a State-certified laboratory in Davis, California, for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tert-butyl ether (MTBE); and other oxygenates using EPA Method 8260B.

Arctos, as Tesoro's Authorized Responsible Party for the site, also has electronically submitted the groundwater monitoring results to the State Water Resources Control Board (SWRCB). The data were submitted in the State-mandated Electronic Data Format (EDF), in accordance with Assembly Bill 2886 requirements for underground storage tank (UST) sites in California.

ATTACHMENT C
FIELD DATA SHEETS

Client: Tesoro Sample Data: 1/27/2008
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-1

Signature: [Signature]

Well Box Condition/Traffic

Traffic Control	Yes	<input checked="" type="radio"/> No	Time:	<u>0944</u>	hours
Standing water	Yes	<input checked="" type="radio"/> No	above or below casing		
Top of well level	Yes	<input checked="" type="radio"/> No	Remark:		
Well cap & locked	Yes	<input checked="" type="radio"/> No	Remark: <u>Open spare point</u>		
Height of Riser		<u>7"</u>			
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box	<u>C. N. I.</u>		

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	_____
		<u>Peristaltic Pump X</u>	

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<u>X</u>
-------------------	-------	---------------	-------	-------------------	----------

Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.2</u>
Time:	<u>0944</u>	Time:	_____	Actual Purge <u>1.75</u>
Depth of Well	<u>27.24</u>	Depth to Water	_____	
Depth to Water	<u>12.24</u>			

Sample

Start Purge 1410 Sample Time 1423

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1410</u>	<u>61.3</u>	<u>6.95</u>	<u>201</u>	<u>1.00</u>	<u>-89</u>	<u>1.1</u>	<u>INTY</u>
<u>1413</u>	<u>64.3</u>	<u>6.92</u>	<u>193</u>	<u>0.98</u>	<u>-91</u>	<u>1.2</u>	
<u>1416</u>	<u>64.5</u>	<u>6.88</u>	<u>193</u>	<u>1.02</u>	<u>-92</u>	<u>1.0</u>	
<u>1419</u>	<u>64.5</u>	<u>6.84</u>	<u>190</u>	<u>1.30</u>	<u>-91</u>	<u>1.3</u>	

Sample Appearance CLEAR Lock N/A

Equipment Replacement

Lock N/A Well Cap OK Bolts OK Box OK

Remarks:

Client: Tesoro Sample Data: 1/27/2008
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-2
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0946 hours
 Standing water Yes Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: _____
 Height of Riser 2"
 Well Box 8" 12" 24" Type of well box Pomewo

Purging/Sampling Equipment

Purging -
 2" Disposable Bailer _____ Submersible Pump _____
 2" PVC Bailer _____ Dedicated Bailer _____
 4" PVC Bailer _____ Centrifugal Pump _____
Peristaltic Pump

Sampling -
 Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing

Well Purging

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.79
 Time: 0946 Time: _____ Actual Purge 2.5
 Depth of Well 22.31 Depth to Water _____
 Depth to Water 12.32

Sample

Start Purge 1444 Sample Time 1500

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1444	60.6	6.95	173	1.46	-123	1.3	INST
1448	65.1	6.75	155	1.42	-126	1.2	
1451	65.3	6.72	141	1.46	-121	1.3	
1454	65.4	6.70	138	1.41	-123	1.4	
1457	65.5	6.68	133	1.42	-120	1.1	

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts - 2 Box 2 of 3 threads stripped
1 bolt skewed
in threads

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>1/27/2008</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-3</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0939</u> hours
Standing water	Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing
Top of well level	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>2"</u>	
Well Box 8" <input checked="" type="radio"/> 24"	Type of well box <u>CNI</u>	

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	_____
		<u>Peristaltic Pump X</u>	

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<u>X</u>
-------------------	-------	---------------	-------	-------------------	----------

Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.62</u>
Time: <u>0939</u>	_____	Time: _____	_____	Actual Purge <u>2.0</u>
Depth of Well <u>28.4</u>	_____	Depth to Water	_____	
Depth to Water <u>12.51</u>	_____			

Sample

Start Purge <u>1258</u>	Sample Time <u>1310</u>
-------------------------	-------------------------

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1258</u>	<u>63.2</u>	<u>7.55</u>	<u>220</u>	<u>1.11</u>	<u>-128</u>	<u>1.3</u>	<u>INIT</u>
<u>1301</u>	<u>66.7</u>	<u>7.10</u>	<u>208</u>	<u>1.12</u>	<u>-130</u>	<u>1.4</u>	
<u>1304</u>	<u>67.0</u>	<u>6.91</u>	<u>207</u>	<u>1.34</u>	<u>-129</u>	<u>1.2</u>	
<u>1307</u>	<u>67.1</u>	<u>6.82</u>	<u>203</u>	<u>1.03</u>	<u>-126</u>	<u>1.4</u>	

Sample Appearance <u>CLEAR</u>	Lock <u>04</u>
--------------------------------	----------------

Equipment Replacement

Lock <u>04</u>	Well Cap <u>04</u>	Bolts <u>04</u>	Box <u>04</u>
----------------	--------------------	-----------------	---------------

Remarks: _____

Client: <u>Tesoro</u>	Sample Data: <u>1/27/2008</u>						
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>						
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-4</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0941</u> hours						
Standing water <input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing						
Top of well level <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Well cap & locked <input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>Ozone sparge point</u>						
Height of Riser <u>3"</u>							
Well Box 8" 12" <input checked="" type="radio"/> 24" Type of well box <u>Not marked</u>							
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailers _____	Centrifugal Pump _____						
	<u>Peristaltic Pump X</u>						
Sampling -							
Disposable Bailer _____	Teflon Bailer _____	Disposable Tubing <input checked="" type="checkbox"/>					
Well Purging							
Well Diameter: 2" <input checked="" type="checkbox"/> 4" _____ 6" _____ 8" _____							
Purge Vol. Multiplier <u>0.16</u> 0.65 1.47 2.61							
Initial Measurement _____	Recharge Measurement _____	Calculated Purge <u>7.11</u>					
Time: <u>0941</u>	Time: _____	Actual Purge <u>2.0</u>					
Depth of Well <u>27.45</u>	Depth to Water _____						
Depth to Water <u>12.63</u>							
Sample							
Start Purge <u>1339</u>	Sample Time <u>1351</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1339</u>	<u>59.7</u>	<u>6.80</u>	<u>568</u>	<u>1.00</u>	<u>51</u>	<u>0.7</u>	<u>INIT</u>
<u>1342</u>	<u>65.9</u>	<u>6.76</u>	<u>555</u>	<u>1.10</u>	<u>53</u>	<u>0.6</u>	
<u>1345</u>	<u>66.4</u>	<u>6.78</u>	<u>548</u>	<u>1.21</u>	<u>51</u>	<u>0.9</u>	
<u>1348</u>	<u>66.5</u>	<u>6.80</u>	<u>543</u>	<u>1.20</u>	<u>52</u>	<u>1.0</u>	
Sample Appearance <u>CLEAR</u>	Lock <u>N/A</u>						
Equipment Replacement							
Lock <u>N/A</u>	Well Cap <u>ON</u>	Bolts <u>4</u>	Box <u>OK</u>				
Remarks:							

Client: <u>Tesoro</u>	Sample Data: <u>1/27/2008</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-5</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0936</u> hours
Standing water	Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing
Top of well level	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: _____
Well cap & locked	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: <u>Open spare point</u>
Height of Riser	<u>1'1/2</u>	
Well Box 8" 12" <input checked="" type="radio"/> 24"	Type of well box	<u>Not marked</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailleurs	_____	Centrifugal Pump	_____
		<u>Peristaltic Pump</u>	<u>X</u>

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<u>X</u>
-------------------	-------	---------------	-------	-------------------	----------

Well Purging

Well Diameter: 2"	<u>X</u>	4"	_____	6"	_____	8"	_____
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge	<u>7.84</u>		
Time: <u>0936</u>		Time: _____		Actual Purge	<u>2.0</u>		
Depth of Well	<u>28.8</u>	Depth to Water	_____				
Depth to Water	<u>12.46</u>						

Sample

Start Purge	<u>1225</u>	Sample Time	<u>1237</u>
-------------	-------------	-------------	-------------

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1225</u>	<u>64.6</u>	<u>6.52</u>	<u>968</u>	<u>1.41</u>	<u>67</u>	<u>1.1</u>	<u>INVT</u>
<u>1228</u>	<u>66.0</u>	<u>6.69</u>	<u>961</u>	<u>1.42</u>	<u>68</u>	<u>1.2</u>	
<u>1231</u>	<u>66.0</u>	<u>6.72</u>	<u>960</u>	<u>1.43</u>	<u>64</u>	<u>1.3</u>	
<u>1234</u>	<u>65.9</u>	<u>6.73</u>	<u>968</u>	<u>1.39</u>	<u>62</u>	<u>1.2</u>	

Sample Appearance	<u>CLEAR</u>	Lock	<u>N/A</u>
-------------------	--------------	------	------------

Equipment Replacement

Lock	<u>N/A</u>	Well Cap	<u>OK</u>	Bolts	<u>-4</u>	Box	<u>OK</u>
------	------------	----------	-----------	-------	-----------	-----	-----------

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>1/27/2008</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-6</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0923</u> hours
Standing water	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark: <u>CAP. NO LOCK</u>
Height of Riser	<u>5'</u>	
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24" <input type="radio"/>	Type of well box <u>Pemio</u>

Purging/Sampling Equipment

Purging -	
2" Disposable Bailer _____	Submersible Pump _____
2" PVC Bailer _____	Dedicated Bailer _____
4" PVC Bailleurs _____	Centrifugal Pump _____
	<u>Peristaltic pump X</u>

Sampling -		
Disposable Bailer _____	Teflon Bailer _____	Disposable Tubing <u>X</u>

Well Purging

Well Diameter: 2" <u>X</u>	4" _____	6" _____	8" _____	
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement		Recharge Measurement	Calculated Purge <u>1.73</u>	
Time: <u>0923</u>		Time: _____	Actual Purge <u>1.5</u>	
Depth of Well <u>14.86</u>		Depth to Water _____		
Depth to Water <u>11.25</u>				

Sample

Start Purge <u>1046</u>	Sample Time <u>1058</u>
-------------------------	-------------------------

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1046</u>	<u>61.4</u>	<u>6.89</u>	<u>862</u>	<u>2.78</u>	<u>114</u>	<u>0.1</u>	<u>INIT</u>
<u>1049</u>	<u>65.0</u>	<u>6.82</u>	<u>855</u>	<u>2.89</u>	<u>113</u>	<u>0.3</u>	<u>1</u>
<u>1052</u>	<u>64.8</u>	<u>6.87</u>	<u>858</u>	<u>2.87</u>	<u>112</u>	<u>0.2</u>	<u>2</u>
<u>1055</u>	<u>64.7</u>	<u>6.86</u>	<u>845</u>	<u>2.91</u>	<u>113</u>	<u>0.1</u>	<u>3</u>

Sample Appearance <u>CLEAR</u>	Lock <u>-1</u>
--------------------------------	----------------

Equipment Replacement

Lock <u>-1</u>	Well Cap <u>04</u>	Bolts <u>-3</u>	Box <u>04</u>
----------------	--------------------	-----------------	---------------

Remarks:

Client: Tesoro Sample Data: 1/27/2008
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-7
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 1005 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: _____
 Height of Riser 8"
 Well Box 8" 12" 24" Type of well box Pomoco

Purging/Sampling Equipment

Purging -

2" Disposable Bailer _____ Submersible Pump _____
 2" PVC Bailer _____ Dedicated Bailer _____
 4" PVC Bailers _____ Centrifugal Pump _____
Peristaltic Pump X

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 6.36
 Time: 0918 Time: _____ Actual Purge 2.0
 Depth of Well 25.45 Depth to Water _____
 Depth to Water 12.19

Sample

Start Purge 1009 Sample Time 1023

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1009	64.9	6.69	464	1.52	41	0.0	INST
1013	65.2	6.72	469	1.53	43	0.1	
1016	65.4	6.68	466	1.51	43	0.2	
1020	65.3	6.65	480	1.49	45	0.1	

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts -3 Box 1 thread broken off

Remarks:

Client: Tesoro Sample Data: 1/27/2008
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-8
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0930 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: _____
 Height of Riser 4"
 Well Box 8" 12" 24" Type of well box C.N.I

Purging/Sampling Equipment

Purging -

2" Disposable Bailer _____ Submersible Pump _____
 2" PVC Bailer _____ Dedicated Bailer _____
 4" PVC Bailers _____ Centrifugal Pump _____
Peristaltic Pump X

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 7.22
 Time: 0930 Time: _____ Actual Purge 2.0
 Depth of Well 28.05 Depth to Water _____
 Depth to Water 13.00

Sample

Start Purge 1151 Sample Time 1206

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1151</u>	<u>62.2</u>	<u>6.71</u>	<u>390</u>	<u>1.21</u>	<u>31</u>	<u>1.1</u>	<u>INDY</u>
<u>1154</u>	<u>63.3</u>	<u>6.66</u>	<u>396</u>	<u>1.23</u>	<u>30</u>	<u>1.2</u>	
<u>1157</u>	<u>63.7</u>	<u>6.63</u>	<u>423</u>	<u>1.27</u>	<u>29</u>	<u>1.0</u>	
<u>1200</u>	<u>63.7</u>	<u>6.63</u>	<u>441</u>	<u>1.28</u>	<u>29</u>	<u>0.9</u>	
<u>1203</u>	<u>63.8</u>	<u>6.62</u>	<u>448</u>				

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts 04 Box 04

Remarks:

Client: <u>Tesoro</u>		Sample Data: <u>1/27/2008</u>	
Site: <u>Tesoro Station 67106</u>		Project Number: <u>02-67106</u>	
<u>1088 Marina Blvd., San Leandro, CA</u>		Well Designation: <u>MW-9</u>	
Signature: <u>[Signature]</u>			
Well Box Condition/Traffic			
Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0907</u> hours	
Standing water	Yes <input type="radio"/> <input checked="" type="radio"/> No	above or below casing	
Top of well level	Yes <input type="radio"/> <input checked="" type="radio"/> No	Remark:	
Well cap & locked	Yes <input type="radio"/> <input checked="" type="radio"/> No	Remark: <u>CAP. NO LOCK</u>	
Height of Riser	<u>5"</u>		
Well Box	8" 12" <input checked="" type="radio"/> 24"	Type of well box	<u>Not marked</u>
Purging/Sampling Equipment			
Purging -			
2" Disposable Bailer	<u> </u>	Submersible Pump	<u> </u>
2" PVC Bailer	<u> </u>	Dedicated Bailer	<u> </u>
4" PVC Bailers	<u> </u>	Centrifugal Pump	<u> </u>
		<u>Peristaltic pump X</u>	
Sampling -			
Disposable Bailer	<u> </u>	Teflon Bailer	<u> </u>
		Disposable Tubing	<u>X</u>
Well Purging			
Well Diameter:	2" <u> </u>	4" <u>X</u>	6" <u> </u>
	8" <u> </u>		
Purge Vol. Multiplier	<u>0.16</u>	<u>0.65</u>	<u>1.47</u>
			<u>2.61</u>
Initial Measurement	<u> </u>	Recharge Measurement	<u> </u>
Time: <u>0927</u>		Time: <u> </u>	
Depth of Well <u>24.6</u>		Depth to Water <u> </u>	
Depth to Water <u>12.22</u>			
		Calculated Purge	<u>24.14</u>
		Actual Purge	<u>2.0</u>
Sample			
Start Purge	<u>1117</u>	Sample Time	<u>1130</u>
Time	Temperature	pH	E.C.
	D.O.	ORP	Fe+2
			Volume
<u>1117</u>	<u>64.0</u>	<u>7.14</u>	<u>227</u>
	<u>1.17</u>	<u>-18</u>	<u>1.4</u>
<u>1121</u>	<u>66.2</u>	<u>7.17</u>	<u>219</u>
	<u>1.14</u>	<u>-15</u>	<u>1.3</u>
<u>1124</u>	<u>66.4</u>	<u>7.06</u>	<u>217</u>
	<u>1.16</u>	<u>-19</u>	<u>1.2</u>
<u>1128</u>	<u>66.5</u>	<u>6.94</u>	<u>218</u>
	<u>1.21</u>	<u>-17</u>	<u>1.4</u>
Sample Appearance	<u>CLEAR</u>	Lock	<u>-1</u>
Equipment Replacement			
Lock	<u>-1</u>	Well Cap	<u>OK</u>
Bolts	<u>-4</u>	Box	<u>1 bolt sheared in threads</u>
Remarks:			

ATTACHMENT D
HISTORICAL GROUNDWATER ELEVATIONS

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-1	3/30/92	13.58	33.10	19.52
	7/1/92	14.80		18.30
	9/30/92	16.12		16.98
	11/19/92	16.34		16.76
	2/3/93	12.61		20.49
	5/25/93	13.12		19.98
	9/22/93	14.18		18.92
	12/21/93	14.36		18.74
	3/18/94	13.64		19.46
	6/15/94	14.30		18.80
	9/14/94	15.18		17.92
	12/19/94	13.79		19.31
	12/21/94	13.86		19.24
	3/7/95	12.74		20.36
	6/8/95	12.95		20.15
	9/22/95	13.94		19.16
	12/27/95	13.57		19.53
	3/26/96	12.13		20.97
	6/13/96	13.10		20.00
	9/10/96	14.08		19.02
	12/5/96	13.41		19.69
	3/10/97	12.70		20.40
	6/12/97	13.68		19.42
	8/19/97	14.31		18.79
	12/13/97	13.19		19.91
	3/12/98	11.09		22.01
	5/28/98	11.36		21.74
	8/31/98	12.61		20.49
	11/19/98	13.84		19.26
	3/15/99	11.95		21.15
6/7/99	13.45	19.65		
9/7/99	13.10	20.00		
12/13/99	14.29	18.81		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)	
MW-1 (cont.)	3/8/00	11.22	33.10	21.88	
	6/12/00	12.85		20.25	
	11/15/00	14.19		18.91	
	2/27/01	12.35		20.75	
	5/22/01	14.18		18.92	
	9/5/01	13.70		19.40	
	11/7/01	14.25		18.85	
	2/11/02	13.05		35.47	22.42
	6/3/02	13.31			22.16
	8/6/02	13.75			21.72
	11/14/02	14.10			21.37
	2/20/03	12.80			22.67
	5/15/03	12.90			22.57
	7/31/03	13.50			21.97
	10/28/03	14.42	21.05		
	2/28/04	12.72	22.75		
	4/16/04	13.52	21.95		
	7/16/04	14.04	21.43		
	11/13/04	13.99	21.48		
	2/4/05	13.36	22.11		
	4/8/05	12.43	23.04		
	8/10/05	13.62	21.85		
	11/5/05	13.95	21.52		
	1/13/06	12.43	23.04		
	5/12/06	12.40	23.07		
	8/13/06	13.08	22.39		
	10/20/06	13.58	21.89		
	2/12/07	12.94	22.53		
	4/25/07	13.35	22.12		
	7/23/07	14.00	21.47		
10/24/07	14.15	21.32			
1/27/08	12.24	23.23			

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-2	3/30/92	13.32	32.80	19.48
	7/1/92	14.42		18.38
	9/30/92	15.78		17.02
	11/19/92	15.99		16.81
	2/3/93	12.31		20.49
	5/25/93	12.97		19.83
	9/22/93	14.32		18.48
	12/21/93	14.52		18.28
	3/18/94	13.45		19.35
	6/15/94	14.07		18.73
	9/14/94	14.96		17.84
	12/19/94	13.64		19.16
	12/21/94	13.71		19.09
	3/7/95	12.54		20.26
	6/8/95	12.81		19.99
	9/22/95	13.66		19.14
	12/27/95	13.42		19.38
	3/26/96	12.05		20.75
	6/13/96	12.79		20.01
	9/10/96	13.73		19.07
	12/5/96	13.29		19.51
	3/10/97	12.42		20.38
	6/12/97	13.18		19.62
	8/19/97	13.94		18.86
	12/13/97	12.91		19.89
	3/12/98	10.92		21.88
	5/28/98	10.41		22.39
	8/31/98	12.29		20.51
	11/19/98	13.47		19.33
	3/15/99	11.95		20.85
6/7/99	13.11	19.69		
9/7/99	12.92	19.88		
12/13/99	13.96	18.84		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-2 (cont.)	3/8/00	10.87	32.80	21.93
	6/12/00	12.53		20.27
	11/15/00	13.96		18.84
	2/27/01	12.29		20.51
	5/22/01	15.51		17.29
	9/5/01	13.75		19.05
	11/7/01	13.99		18.81
	2/11/02	12.98		35.11
	6/3/02	13.24	21.87	
	8/6/02	13.73	21.38	
	11/14/02	13.55	21.56	
	2/20/03	11.80	23.31	
	5/15/03	12.27	22.84	
	7/31/03	13.46	21.65	
	10/28/03	14.09	21.02	
	2/28/04	12.27	22.84	
	4/16/04	13.22	21.89	
	7/16/04	13.76	21.35	
	11/13/04	13.79	21.32	
	2/4/05	13.08	22.03	
	4/8/05	12.11	23.00	
	8/10/05	13.27	21.84	
	11/5/05	11.92	23.19	
	1/13/06	12.26	22.85	
	5/12/06	11.64	23.47	
	8/13/06	12.80	22.31	
	10/20/06	13.31	21.80	
	2/12/07	12.81	22.30	
4/25/07	13.10	22.01		
7/23/07	13.69	21.42		
10/24/07	13.84	21.27		
1/27/08	12.32	22.79		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-3	3/30/92	12.96	32.30	19.34
	7/1/92	14.00		18.30
	9/30/92	15.36		16.94
	11/19/92	15.57		16.73
	2/3/93	11.96		20.34
	5/25/93	14.12		18.18
	9/22/93	13.88		18.42
	12/21/93	14.12		18.18
	3/18/94	13.04		19.26
	6/15/94	13.65		18.65
	9/14/94	14.54		17.76
	12/19/94	13.28		19.02
	12/21/94	13.30		19.00
	3/7/95	12.26		20.04
	6/8/95	12.42		19.88
	9/22/95	13.25		19.05
	12/27/95	13.04		19.26
	3/26/96	11.62		20.68
	6/13/96	12.61		19.69
	9/10/96	13.49		18.81
	12/5/96	13.07		19.23
	3/10/97	12.23		20.07
	6/12/97	12.94		19.36
	8/19/97	12.85		19.45
	12/13/97	12.45		19.85
	3/12/98	10.81		21.49
	5/28/98	11.45		20.85
	8/31/98	12.21		20.09
	11/19/98	13.26		19.04
	3/15/99	11.89		20.41
6/7/99	12.91	19.39		
9/7/99	12.81	19.49		
12/13/99	13.75	18.55		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)	
MW-3 (cont.)	3/8/00	11.39	32.30	20.91	
	6/12/00	12.58		19.72	
	11/15/00	13.85		18.45	
	2/27/01	12.22		20.08	
	5/22/01	13.66		18.64	
	9/5/01	13.41		18.89	
	11/7/01	13.85		18.45	
	2/11/02	12.86		34.84	21.98
	6/3/02	13.10			21.74
	8/6/02	13.52			21.32
	11/14/02	13.49			21.35
	2/20/03	12.92			21.92
	5/15/03	12.83			22.01
	7/31/03	13.44			21.40
	10/28/03	13.92	20.92		
	2/28/04	12.50	22.34		
	4/16/04	13.07	21.77		
	7/16/04	13.62	21.22		
	11/13/04	13.70	21.14		
	2/4/05	12.94	21.90		
	4/8/05	12.10	22.74		
	8/10/05	13.19	21.65		
	11/5/05	13.46	21.38		
	1/13/06	12.20	22.64		
	5/12/06	11.79	23.05		
	8/13/06	12.66	22.18		
	10/20/06	13.19	21.65		
	2/12/07	12.74	22.10		
4/25/07	12.99	21.85			
7/23/07	13.55	21.29			
10/24/07	13.72	21.12			
1/27/08	12.51	22.33			

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-4	3/30/92	13.60	32.90	19.30
	7/1/92	15.72		17.18
	9/30/92	16.04		16.86
	11/19/92	16.21		16.69
	2/3/93	12.70		20.20
	5/25/93	12.97		19.93
	9/22/93	14.51		18.39
	12/21/93	14.75		18.15
	3/18/94	13.68		19.22
	6/15/94	14.37		18.53
	9/14/94	15.23		17.67
	12/19/94	13.93		18.97
	12/21/94	13.99		18.91
	3/7/95	12.86		20.04
	6/8/95	13.10		19.80
	9/22/95	13.98		18.92
	12/27/95	13.74		19.16
	3/26/96	12.30		20.60
	6/13/96	13.18		19.72
	9/10/96	14.22		18.68
	12/5/96	13.65		19.25
	3/10/97	12.79		20.11
	6/12/97	13.51		19.39
	8/19/97	14.29		18.61
	12/13/97	13.43		19.47
	3/12/98	11.31		21.59
	5/28/98	10.40		22.50
	8/31/98	12.54		20.36
	11/19/98	13.99		18.91
	3/15/99	12.06		20.84
6/7/99	13.57	19.33		
9/7/99	10.30	22.60		
12/13/99	14.18	18.72		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-4 (cont.)	3/8/00	11.77	32.90	21.13
	6/12/00	13.47		19.43
	11/15/00	14.33		18.57
	2/27/01	14.25		18.65
	5/22/01	13.99		18.91
	9/5/01	15.75		17.15
	11/7/01	16.10		16.80
	2/11/02	15.04		35.33
	6/3/02	13.61	21.72	
	8/6/02	15.01	20.32	
	11/14/02	13.98	21.35	
	2/20/03	13.33	22.00	
	5/15/03	13.29	22.04	
	7/31/03	13.76	21.57	
	10/28/03	14.48	20.85	
	2/28/04	12.96	22.37	
	4/16/04	13.57	21.76	
	7/16/04	14.16	21.17	
	11/13/04	14.34	20.99	
	2/4/05	13.56	21.77	
	4/8/05	12.65	22.68	
	8/10/05	13.73	21.60	
	11/5/05	14.35	20.98	
	1/13/06	12.76	22.57	
	5/12/06	12.56	22.77	
	8/13/06	13.30	22.03	
	10/20/06	13.78	21.55	
	2/12/07	13.21	22.12	
4/25/07	13.58	21.75		
7/23/07	14.19	21.14		
10/24/07	14.23	21.10		
1/27/08	12.63	22.70		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-5	3/30/92	13.48	32.70	19.22
	7/1/92	14.58		18.12
	9/30/92	15.82		16.88
	11/19/92	16.00		16.70
	2/3/93	12.40		20.30
	5/25/93	13.01		19.69
	9/22/93	14.37		18.33
	12/21/93	14.58		18.12
	3/18/94	13.53		19.17
	6/15/94	14.18		18.52
	9/14/94	15.07		17.63
	12/19/94	13.74		18.96
	12/21/94	13.84		18.86
	3/7/95	12.73		19.97
	6/8/95	12.99		19.71
	9/22/95	13.83		18.87
	12/27/95	13.59		19.11
	3/26/96	12.20		20.50
	6/13/96	12.98		19.72
	9/10/96	13.96		18.74
	12/5/96	13.36		19.34
	3/10/97	12.74		19.96
	6/12/97	13.06		19.64
	8/19/97	14.21		18.49
	12/13/97	13.51		19.19
	3/12/98	11.11		21.59
	5/28/98	10.92		21.78
	8/31/98	12.79		19.91
	11/19/98	13.39		19.31
	3/15/99	11.71		20.99
6/7/99	13.26	19.44		
9/7/99	9.70	23.00		
12/13/99	14.06	18.64		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-5 (cont.)	3/8/00	11.80	32.70	20.90
	6/12/00	12.99		19.71
	11/15/00	14.23		18.47
	2/27/01	12.66		20.04
	5/22/01	13.58		19.12
	9/5/01	14.05		18.65
	11/7/01	14.32		18.38
	2/11/02	13.31		35.09
	6/3/02	13.55	21.54	
	8/6/02	14.10	20.99	
	11/14/02	14.03	21.06	
	2/20/03	13.35	21.74	
	5/15/03	13.11	21.98	
	7/31/03	13.88	21.21	
	10/28/03	14.41	20.68	
	2/28/04	12.89	22.20	
	4/16/04	13.41	21.68	
	7/16/04	13.92	21.17	
	11/13/04	14.35	20.74	
	2/4/05	13.48	21.61	
	4/8/05	12.42	22.67	
	8/10/05	13.36	21.73	
	11/5/05	13.96	21.13	
	1/13/06	12.53	22.56	
	5/12/06	12.26	22.83	
	8/13/06	13.05	22.04	
	10/20/06	13.52	21.57	
	2/12/07	13.04	22.05	
4/25/07	13.40	21.69		
7/23/07	13.95	21.14		
10/24/07	14.09	21.00		
1/27/08	12.46	22.63		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-6	3/30/92	12.62	30.40	17.78
	7/1/92	12.70		17.70
	9/30/92	13.40		17.00
	11/19/92	13.59		16.81
	2/3/93	12.43		17.97
	5/25/93	--		--
	9/22/93	12.82		17.58
	12/21/93	13.06		17.34
	3/18/94	12.16		18.24
	6/15/94	12.59		17.81
	9/14/94	12.86		17.54
	12/19/94	12.48		17.92
	12/21/94	11.61		18.79
	3/7/95	12.37		18.03
	6/8/95	11.14		19.26
	9/22/95	12.44		17.96
	12/27/95	12.21		18.19
	3/26/96	12.26		18.14
	6/13/96	12.55		17.85
	9/10/96	12.31		18.09
	12/5/96	12.22		18.18
	3/10/97	12.19		18.21
	6/12/97	12.28		18.12
	8/19/97	12.30		18.10
	12/13/97	11.93		18.47
	3/12/98	10.49		19.91
	5/28/98	10.58		19.82
	8/31/98	10.85		19.55
	11/19/98	10.88		19.52
	3/15/99	10.83		19.57
6/7/99	11.01	19.39		
9/7/99	11.89	18.51		
12/13/99	12.09	18.31		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-6 (cont.)	3/8/00	10.02	30.40	20.38
	6/12/00	11.07		19.33
	11/15/00	12.34		18.06
	2/27/01	10.75		19.65
	5/22/01	11.55		18.85
	9/5/01	12.10		18.30
	11/7/01	12.31		18.09
	2/11/02	11.05		32.74
	6/3/02	11.70	21.04	
	8/6/02	12.28	20.46	
	11/14/02	12.46	20.28	
	2/20/03	11.26	21.48	
	5/15/03	11.85	20.89	
	7/31/03	11.73	21.01	
	10/28/03	12.38	20.36	
	2/28/04	11.88	20.86	
	4/16/04	11.85	20.89	
	7/16/04	12.84	19.90	
	11/13/04	12.13	20.61	
	2/4/05	11.14	21.60	
	4/8/05	10.94	21.80	
	8/10/05	11.42	21.32	
	11/5/05	11.90	20.84	
	1/13/06	10.70	22.04	
	5/12/06	10.63	22.11	
	8/13/06	11.08	21.66	
	10/20/06	11.58	21.16	
	2/12/07	11.22	21.52	
4/25/07	11.43	21.31		
7/23/07	11.98	20.76		
10/24/07	12.15	20.59		
1/27/08	11.25	21.49		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-7	3/30/92	12.34	31.20	18.86
	7/1/92	15.24		15.96
	9/30/92	14.64		16.56
	11/19/92	14.80		16.40
	2/3/93	11.36		19.84
	5/25/93	--		--
	9/22/93	13.18		18.02
	12/21/93	13.42		17.78
	3/18/94	12.36		18.84
	6/15/94	13.01		18.19
	9/14/94	13.88		17.32
	12/19/94	12.61		18.59
	12/21/94	12.38		18.82
	3/7/95	11.56		19.64
	6/8/95	11.82		19.38
	9/22/95	12.67		18.53
	12/27/95	12.34		18.86
	3/26/96	11.03		20.17
	6/13/96	11.76		19.44
	9/10/96	12.71		18.49
	12/5/96	12.32		18.88
	3/10/97	11.38		19.82
	6/12/97	12.28		18.92
	8/19/97	12.92		18.28
	12/13/97	11.69		19.51
	3/12/98	10.14		21.06
	5/28/98	10.93		20.27
	8/31/98	12.01		19.19
	11/19/98	12.54		18.66
	3/15/99	10.94		20.26
6/7/99	12.05	19.15		
9/7/99	12.67	18.53		
12/13/99	12.73	18.47		

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-7 (cont.)	3/8/00	10.90	31.20	20.30
	6/12/00	12.61		18.59
	11/15/00	13.06		18.14
	2/27/01	11.85		19.35
	5/22/01	12.31		18.89
	9/5/01	12.85		18.35
	11/7/01	12.75		18.45
	2/11/02	NM ^(c)	33.64	-- ^(d)
	6/3/02	12.58		21.06
	8/6/02	12.93		20.71
	11/14/02	13.04		20.60
	2/20/03	12.75		20.89
	5/15/03	12.45		21.19
	7/31/03	12.80		20.84
	10/28/03	NM		--
	2/28/04	12.21		21.43
	4/16/04	12.26		21.38
	7/16/04	12.85		20.79
	11/13/04	13.01		20.63
	2/4/05	12.57		21.07
	4/8/05	11.82		21.82
	8/10/05	12.44		21.20
	11/5/05	12.91		20.73
	1/13/06	11.51		22.13
	5/12/06	11.37		22.27
	8/13/06	11.88		21.76
	10/20/06	12.32		21.32
	2/12/07	12.21		21.43
4/25/07	12.33	21.31		
7/23/07	13.00	20.64		
10/24/07	13.11	20.53		
1/27/08	12.19	21.45		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-8	3/30/92	14.66	33.80	19.14
	7/1/92	15.74		18.06
	9/30/92	17.00		16.80
	11/19/92	17.01		16.79
	2/3/93	13.83		19.97
	5/25/93	13.01		20.79
	9/22/93	15.81		17.99
	12/21/93	16.05		17.75
	3/18/94	14.62		19.18
	6/15/94	15.29		18.51
	9/14/94	16.22		17.58
	12/19/94	14.81		18.99
	12/21/94	14.89		18.91
	3/7/95	13.75		20.05
	6/8/95	13.98		19.82
	9/22/95	14.92		18.88
	12/27/95	14.61		19.19
	3/26/96	13.09		20.71
	6/13/96	13.81		19.99
	9/10/96	14.80		19.00
	12/5/96	14.05		19.75
	3/10/97	13.40		20.40
	6/12/97	14.31		19.49
	8/19/97	13.85		19.95
	12/13/97	13.92		19.88
	3/12/98	11.81		21.99
	5/28/98	12.14		21.66
	8/31/98	13.16		20.64
	11/19/98	14.56		19.24
	3/15/99	12.40		21.40
6/7/99	14.06	19.74		
9/7/99	14.01	19.79		
12/13/99	14.91	18.89		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)	
MW-8 (cont.)	3/8/00	11.85	33.80	21.95	
	6/12/00	13.59		20.21	
	11/15/00	14.94		18.86	
	2/27/01	NM		NM	
	5/22/01	NM		NM	
	9/5/01	14.68		19.12	
	11/7/01	15.10		18.70	
	2/11/02	14.06		36.08	22.02
	6/3/02	14.25			21.83
	8/6/02	14.55			21.53
	11/14/02	14.73			21.35
	2/20/03	13.81			22.27
	5/15/03	13.68			22.40
	7/31/03	14.54			21.54
	10/28/03	15.09	20.99		
	2/28/04	13.45	22.63		
	4/16/04	14.19	21.89		
	7/16/04	14.76	21.32		
	11/13/04	14.91	21.17		
	2/4/05	14.09	21.99		
	4/8/05	13.11	22.97		
	8/10/05	14.20	21.88		
	11/5/05	14.79	21.29		
	1/13/06	13.24	22.84		
	5/12/06	12.97	23.11		
	8/13/06	13.83	22.25		
	10/20/06	14.33	21.75		
	2/12/07	13.73	22.35		
	4/25/07	14.19	21.89		
	7/23/07	14.80	21.28		
10/24/07	14.95	21.13			
1/27/08	13.00	23.08			

TABLE D-1

HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation ^(a) (feet MSL)	Water Table Elevation ^(b) (feet MSL)
MW-9	12/21/94	13.76	32.56	18.80
	3/7/95	12.79		19.77
	6/8/95	12.96		19.60
	9/22/95	13.73		18.83
	12/27/95	13.53		19.03
	3/26/96	12.27		20.29
	6/13/96	12.84		19.72
	9/10/96	13.49		19.07
	12/5/96	13.18		19.38
	3/10/97	12.25		20.31
	6/12/97	12.70		19.86
	8/19/97	17.89		14.67
	12/13/97	15.79		16.77
	3/12/98	10.93		21.63
	5/28/98	11.31		21.25
	8/31/98	12.16		20.40
	11/19/98	11.04		21.52
	3/15/99	11.81		20.75
	6/7/99	12.21		20.35
	9/7/99	10.10		22.46
	12/13/99	13.64		18.92
	3/8/00	10.88		21.68
	6/12/00	12.50		20.06
	11/15/00	13.60		18.96
	2/27/01	12.15		20.41
	5/22/01	13.20		19.36
	9/5/01	13.10		19.46
	11/7/01	13.85	18.71	
	2/11/02	12.98	34.63	21.65
6/3/02	12.48	22.15		
8/6/02	13.16	21.47		
11/14/02	13.15	21.48		
2/20/03	12.46	22.17		

TABLE D-1

**HISTORICAL WELL AND GROUNDWATER ELEVATIONS
TESORO - SAN LEANDRO, 67106**

Well No.	Date of Measurement	Depth to Water (feet below casing)	PVC Casing Elevation^(a) (feet MSL)	Water Table Elevation^(b) (feet MSL)
MW-9 (cont.)	5/15/03	12.26	34.63	22.37
	7/31/03	12.94		21.69
	10/28/03	13.83		20.80
	2/28/04	12.59		22.04
	4/16/04	13.04		21.59
	7/16/04	13.52		21.11
	11/13/04	13.68		20.95
	2/4/05	13.04		21.59
	4/8/05	12.17		22.46
	8/10/05	13.04		21.59
	11/5/05	13.55		21.08
	1/13/06	12.30		22.33
	5/12/06	Blocked ^(e)		--
	8/13/06	12.66		21.97
	10/20/06	13.14		21.49
	2/12/07	12.73		21.90
	4/25/07	12.95		21.68
	7/23/07	13.54		21.09
10/24/07	13.71	20.92		
1/27/08	12.22	22.41		

(a) Elevation of PVC well casing relative to mean sea level (MSL), provided by RDM Environmental, Inc. (RDM), Fourth Quarter 2007 Groundwater Monitoring Report.

(b) Difference between "PVC Casing Elevation" and "Depth to Water."

(c) NM = Well not measured.

(d) "--" Not calculated.

(e) Field logs noted well was plugged at 5 feet below top of casing on 5 May 1996.

ATTACHMENT E
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-1	3/30/1992	27,000	630	550	540	1,900	NA ^(e)	NA	NA	NA	NA
	7/1/1992	55,000	840	1,000	830	3,600	NA	NA	NA	NA	NA
	9/30/1992	6,400	150	95	120	470	NA	NA	NA	NA	NA
	11/19/1992	1,300	90	11	50	87	NA	NA	NA	NA	NA
	2/3/1993	53,000	750	560	950	5,700	NA	NA	NA	NA	NA
	5/25/1993	9,400	200	86	470	1,500	NA	NA	NA	NA	NA
	9/22/1993	41,000	1,000	510	850	1,100	NA	NA	NA	NA	NA
	12/21/1993	41,000	1,000	490	2,700	13,000	NA	NA	NA	NA	NA
	3/18/1994	9,500	320	160	830	2,900	NA	NA	NA	NA	NA
	6/15/1994	8,000	310	80	990	2,300	NA	NA	NA	NA	NA
	9/14/1994	3,600	130	31	390	630	NA	NA	NA	NA	NA
	12/19/1994	17,000	350	150	1,500	5,200	NA	NA	NA	NA	NA
	3/7/1995	12,000	180	62	1,200	3,200	NA	NA	NA	NA	NA
	6/8/1995	6,300	76	8.0	560	860	NA	NA	NA	NA	NA
	9/22/1995	12,000	140	55	1,500	2,500	NA	NA	NA	NA	NA
	12/27/1995	3,900	60	13	480	870	NA	NA	NA	NA	NA
	3/26/1996	6,400	42	4.9	560	600	NA	NA	NA	NA	NA
	6/13/1996	9,600	86	39	1,100	1,700	ND<50 ^(f)	NA	NA	NA	NA
	9/10/1996	16,000	65	35	1,500	2,700	ND<50	NA	NA	NA	NA
	12/5/1996	6,400	25	11	570	930	ND<25	NA	NA	NA	NA
3/10/1997	15,000	42	ND<5	1,400	1,500	ND<50	NA	NA	NA	NA	
6/12/1997	16,000	33	34	1,100	1,700	ND<100	NA	NA	NA	NA	
8/19/1997	17,000	47	14	1,300	2,200	ND<100	NA	NA	NA	NA	
12/13/1997	5,800	20	35	360.0	470.	ND<100	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-1 (cont.)	3/12/1998	100	ND<0.5	ND<0.5	5	2.8	ND<5	NA	NA	NA	NA
	5/28/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/31/1998	130	ND<0.5	ND<0.5	6.4	1.4	ND<5	NA	NA	NA	NA
	11/19/1998	120	0.75	ND<0.5	ND<0.5	3.0	ND<5	NA	NA	NA	NA
	3/15/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/7/1999	5,200	1.6	1.9	230	110	ND<5	NA	NA	NA	NA
	9/7/1999	490	1.0	ND<0.5	22	15	ND<5	NA	NA	NA	NA
	12/13/1999	4,100	ND<2.5	ND<2.5	170	110	ND<25	NA	NA	NA	NA
	3/8/2000	1,200	ND<0.5	ND<0.5	21	7.7	150	NA	NA	NA	NA
	6/12/2000	3,000	1.5	0.90	160	98	34	NA	NA	NA	NA
	11/15/2000	8,500	ND<20	ND<20	470	390	14,000	NA	NA	NA	NA
	2/27/2001	6,100	5.4	2.6	260	190	4,300	NA	NA	NA	NA
	5/22/2001	21,000	8.9	13	1,100	1,300	2,300	NA	NA	NA	NA
	9/5/2001	12,000	ND<2	3.6	600	850	93	NA	NA	NA	NA
	11/7/2001	23,000	ND<5	ND<5	1,300	1,600	87	NA	NA	NA	NA
	2/11/2002	4,500	ND<0.5	ND<0.5	140	150	18	NA	NA	NA	NA
	6/3/2002	12,000	ND<2.5	ND<2.5	520	460	12	NA	NA	NA	NA
	8/6/2002	22,000	ND<0.5	ND<0.5	710	580	15	NA	NA	NA	NA
	11/14/2002	16,000	ND<5	ND<5	300	250	8.1	NA	NA	NA	NA
	2/20/2003	7,300	ND<1.5	ND<1.5	130	89	9.3	NA	NA	NA	NA
5/15/2003	14,000	ND<2.5	ND<2.5	270	120	4.7	NA	NA	NA	NA	
7/31/2003	18,000	ND<5	ND<5	380	230	5.2	NA	NA	NA	NA	
10/28/2003	17,000	ND<5	ND<5	340	210	ND<5	NA	NA	NA	NA	
2/28/2004	10,000	ND<2	ND<2	140	48	4.8	NA	NA	NA	NA	

TABLE E-1

GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-1 (cont.)	4/16/2004	2,800	ND<0.5	ND<0.5	29	11	2.1	NA	NA	NA	NA
	7/16/2004	5,500	ND<0.5	0.57	130	74	1.4	NA	NA	NA	NA
	11/13/2004	4,000	ND<0.7	ND<0.7	56	25	ND<0.7	ND<0.7	ND<0.7	ND<0.7	ND<7
	2/4/2005	9,700	0.57	ND<0.5	140	58	0.75	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/8/2005	8,100	ND<1.5	ND<1.5	84	24	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<7
	8/10/2005	8,700	ND<1.5	ND<1.5	92	32	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<7
	11/5/2005	9,200	ND<1.5	ND<1.5	92	38	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<7
	1/13/2006	6,500	ND<1.5	ND<1.5	34	17	ND<1.5	ND<1.5	ND<1.5	ND<1.5	ND<7
	5/12/2006	3,600	ND<0.5	1.0	26	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	5,200	ND<0.5	0.57	40	12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	5,300	ND<0.5	0.61	52	16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	3,500	ND<0.5	ND<0.5	12	2.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	3,400	ND<0.5	ND<0.5	15	3.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	5,400	ND<0.5	0.61	24	7.5	ND<0.5	NA	NA	NA	NA
	10/24/2007	3,500	ND<0.5	ND<0.5	13	4.1	ND<0.5	NA	NA	NA	NA
1/27/2008	690	ND<0.5	0.52	1.8	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	
MW-2	3/30/1992	52,000	2,300	1,700	940	3,300	NA	NA	NA	NA	NA
	7/1/1992	130,000	3,500	2,900	1,900	7,900	NA	NA	NA	NA	NA
	9/30/1992	24,000	890	350	500	1,700	NA	NA	NA	NA	NA
	11/19/1992	32,000	1,900	1,700	870	3,400	NA	NA	NA	NA	NA
	2/3/1993	64,000	1,900	2,200	860	4,100	NA	NA	NA	NA	NA
	5/25/1993	34,000	3,300	1,500	1,300	5,900	NA	NA	NA	NA	NA
	9/22/1993	8,000	640	150	270	2,000	NA	NA	NA	NA	NA
	12/21/1993	18,000	1,500	410	1,300	5,000	NA	NA	NA	NA	NA

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-2 (cont.)	3/18/1994	14,000	1,600	790	1,100	3,700	NA	NA	NA	NA	NA
	6/15/1994	13,000	1,600	580	1,200	4,100	NA	NA	NA	NA	NA
	9/14/1994	20,000	1,600	560	1,800	6,400	NA	NA	NA	NA	NA
	12/19/1994	19,000	1,700	750	1,600	5,800	NA	NA	NA	NA	NA
	3/7/1995	17,000	1,900	980	1,300	5,100	NA	NA	NA	NA	NA
	6/8/1995	19,000	2,100	740	1,500	4,900	NA	NA	NA	NA	NA
	9/22/1995	12,000	840	170	1,100	3,400	NA	NA	NA	NA	NA
	12/27/1995	16,000	1,100	540	1,400	5,100	NA	NA	NA	NA	NA
	3/26/1996	11,000	930	520	970	3,000	NA	NA	NA	NA	NA
	6/13/1996	11,000	1,800	1,400	1,500	4,500	1,200	NA	NA	NA	NA
	9/10/1996	19,000	1,600	600	1,600	5,000	1,100	NA	NA	NA	NA
	12/5/1996	12,000	650	180	1,000	2,800	180	NA	NA	NA	NA
	3/10/1997	6,800	430	95	590	1,800	69	NA	NA	NA	NA
	6/12/1997	20,000	610	140	1,500	4,300	100	NA	NA	NA	NA
	8/19/1997	3,600	47	14	1,300	2,200	ND<100	NA	NA	NA	NA
	12/13/1997	8,300	370	150	450	1,600	75	NA	NA	NA	NA
	3/12/1998	440	32	1.0	12	6.5	20	NA	NA	NA	NA
	5/28/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27	NA	NA	NA	NA
	8/31/1998	270	9.3	0.95	4.9	8.8	20	NA	NA	NA	NA
	11/19/1998	180	16	0.72	ND<0.5	4.3	7.4	NA	NA	NA	NA
3/15/1999	2,400	12	3.5	59	840	10	NA	NA	NA	NA	
6/7/1999	690	21	0.99	6.9	10	6.1	NA	NA	NA	NA	
9/7/1999	610	7.8	1.2	42	100	ND<5	NA	NA	NA	NA	
12/13/1999	3,000	26	.9	52	96	ND<5	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-2 (cont.)	3/8/2000	50	ND<0.5	ND<0.5	0.50	0.50	5.0	NA	NA	NA	NA
	6/12/2000	5,500	51	17	170	320	18	NA	NA	NA	NA
	11/15/2000	16,000	75	48	1,200	2,800	19,000	NA	NA	NA	NA
	2/27/2001	10,000	54	24	320	870	6,000	NA	NA	NA	NA
	5/22/2001	2,400	12	5.0	79	100	3,500	NA	NA	NA	NA
	9/5/2001	34,000	120	180	1,500	5,100	400	NA	NA	NA	NA
	11/7/2001	32,000	87	170	1,400	3,700	870	NA	NA	NA	NA
	2/11/2002	34,000	170	250	1,600	4,700	390	NA	NA	NA	NA
	6/3/2002	29,000	130	260	1,700	5,100	110	NA	NA	NA	NA
	8/6/2002	34,000	110	240	1,700	4,700	84	NA	NA	NA	NA
	11/14/2002	35,000	51	150	1,300	3,600	39	NA	NA	NA	NA
	2/20/2003	23,000	67	130	1,100	2,800	71	NA	NA	NA	NA
	5/15/2003	19,000	57	110	840	2,300	43	NA	NA	NA	NA
	7/31/2003	31,000	78	210	2,000	5,000	36	NA	NA	NA	NA
	10/28/2003	32,000	59	120	2,000	3,600	19	NA	NA	NA	NA
	2/28/2004	10,000	21	26	520	980	35	NA	NA	NA	NA
	4/16/2004	11,000	30	30	540	890	30	NA	NA	NA	NA
	7/16/2004	21,000	42	36	1,200	2,300	17	NA	NA	NA	NA
	11/13/2004	14,000	25	27	780	1,300	9.1	ND<2.5	ND<2.5	ND<2.5	ND<15
	2/4/2005	14,000	24	20	720	1,000	8.6	ND<2.5	ND<2.5	ND<2.5	ND<15
	4/8/2005	14,000	19	11	580	630	7.9	ND<2.5	ND<2.5	ND<2.5	ND<15
	8/10/2005	13,000	21	11	610	520	7.6	ND<2.5	ND<2.5	ND<2.5	ND<15
	11/5/2005	50	ND<0.5	ND<0.5	0.5	0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/13/2006	6,800	17	7.8	220	230	3.5	ND<0.5	ND<0.5	ND<0.5	ND<5

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-2 (cont.)	5/12/2006	1,400	2.3	1.6	39	34	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	7,700	17	6.4	520	160	3.4	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	8,800	22	7.6	620	140	3.1	ND<1.5	ND<1.5	ND<1.5	ND<7
	2/12/2007	7,700	24	8.5	450	110	2.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	9,400	22	8.7	620	100	ND<2	ND<2	ND<2	ND<2	ND<9
	7/23/2007	9,100	13	7.5	640	98	0.6	NA	NA	NA	NA
	10/24/2007	8,800	6.4	4.8	520	85	ND<1.5	NA	NA	NA	NA
	1/27/2008	8,100	5.4	5.3	350	130	ND<1.5	ND<1.5	ND<1.5	ND<1.5	7.2
MW-3	3/30/1992	21,000	560	50	630	980	NA	NA	NA	NA	NA
	7/1/1992	13,000	150	20	22	300	NA	NA	NA	NA	NA
	9/30/1992	4,500	53	2.6	84	96	NA	NA	NA	NA	NA
	11/19/1992	4,700	73	6.2	140	120	NA	NA	NA	NA	NA
	2/3/1993	23,000	220	40	430	740	NA	NA	NA	NA	NA
	5/25/1993	9,900	120	26	370	520	NA	NA	NA	NA	NA
	9/22/1993	10,000	370	71	320	640	NA	NA	NA	NA	NA
	12/21/1993	7,800	130	8.5	430	380	NA	NA	NA	NA	NA
	3/18/1994	3,100	22	1.3	78	41	NA	NA	NA	NA	NA
	6/15/1994	1,700	8.6	1.4	22	15	NA	NA	NA	NA	NA
	9/14/1994	1,400	3.8	ND<1.3	13	18	NA	NA	NA	NA	NA
	12/19/1994	3,800	70	1.7	140	110	NA	NA	NA	NA	NA
	3/7/1995	2,200	9.4	ND<1.3	30	21	NA	NA	NA	NA	NA
	6/8/1995	1,700	5.8	ND<1.3	2.3	14	NA	NA	NA	NA	NA
	9/22/1995	1,200	ND<1.3	ND<1.3	1.3	ND<1.3	NA	NA	NA	NA	NA
12/27/1995	1,300	2.4	ND<1.3	3.3	3.6	NA	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-3 (cont.)	3/26/1996	1,200	4.3	ND<1.3	4.2	2.0	NA	NA	NA	NA	NA
	6/13/1996	1,300	5.1	ND<0.5	21	6.5	28	NA	NA	NA	NA
	9/10/1996	810	1.4	4.8	1.6	2.1	ND<5	NA	NA	NA	NA
	12/5/1996	590	ND<0.5	3.2	0.79	0.52	ND<5	NA	NA	NA	NA
	3/10/1997	650	0.73	3.8	2.4	1.6	ND<5	NA	NA	NA	NA
	6/12/1997	710	ND<0.5	3.5	2.9	3.6	ND<5	NA	NA	NA	NA
	8/19/1997	1,400	2.2	.6	11.00	34.00	13	NA	NA	NA	NA
	12/13/1997	810	0.96	ND<0.5	0.54	1.8	ND<5	NA	NA	NA	NA
	3/12/1998	1,200	0.67	ND<0.5	7.1	3.4	7.3	NA	NA	NA	NA
	5/28/1998	350	ND<0.5	0.50	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/31/1998	240	ND<0.5	0.89	0.69	ND<0.5	ND<5	NA	NA	NA	NA
	11/19/1998	440	5.3	0.72	0.86	4.2	ND<5	NA	NA	NA	NA
	3/15/1999	410	3.3	1.3	0.77	ND<0.5	ND<5	NA	NA	NA	NA
	6/7/1999	680	ND<0.5	2.0	ND<0.5	0.66	ND<5	NA	NA	NA	NA
	9/7/1999	150	ND<0.5	0.62	ND<0.5	8.7	ND<12	NA	NA	NA	NA
	12/13/1999	830	ND<0.5	0.52	ND<0.5	1.0	ND<5	NA	NA	NA	NA
	3/8/2000	960	0.58	ND<0.5	0.77	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/2000	1,700	1.7	ND<0.5	46	6.3	ND<5	NA	NA	NA	NA
	11/15/2000	ND<20,000	ND<200	ND<200	ND<200	ND<200	84,000	NA	NA	NA	NA
	2/27/2001	3,500	98	ND<20	130	30	16,000	NA	NA	NA	NA
5/22/2001	ND<2,000	41	ND<20	20	ND<20	5,800	NA	NA	NA	NA	
9/5/2001	5,300	9.9	1.5	49	8.2	430	NA	NA	NA	NA	
11/7/2001	6,500	9.4	1.8	47	8.8	1,600	NA	NA	NA	NA	
2/11/2002	2,400	8.9	ND<2	14	ND<2	530	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-3 (cont.)	6/3/2002	2,100	13	0.77	19	0.94	110	NA	NA	NA	NA
	8/6/2002	2,800	25	2.5	12	1.1	120	NA	NA	NA	NA
	11/14/2002	2,200	29	0.89	3.7	ND<0.5	420	NA	NA	NA	NA
	2/20/2003	2,400	2.5	ND<0.5	ND<0.5	ND<0.5	340	NA	NA	NA	NA
	5/15/2003	2,100	2.	ND<0.5	1.2	ND<0.5	200	NA	NA	NA	NA
	7/31/2003	1,600	1.2	ND<0.5	ND<0.5	ND<0.5	330	NA	NA	NA	NA
	10/28/2003	1,600	1.	ND<0.5	ND<0.5	ND<0.5	160	NA	NA	NA	NA
	2/28/2004	1,400	1.2	ND<0.5	0.74	ND<0.5	58	NA	NA	NA	NA
	4/16/2004	1,400	1.2	ND<0.5	ND<0.5	ND<0.5	45	NA	NA	NA	NA
	7/16/2004	1,900	6.1	1.1	ND<0.5	0.83	43	NA	NA	NA	NA
	11/13/2004	1,300	4.7	0.79	ND<0.5	ND<0.5	30	ND<0.5	ND<0.5	ND<0.5	82
	2/4/2005	1,300	0.79	ND<0.5	ND<0.5	ND<0.5	10	ND<0.5	ND<0.5	ND<0.5	12
	4/8/2005	770	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.2	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/10/2005	1,600	3.4	0.61	0.57	ND<0.5	6.3	ND<0.5	ND<0.5	ND<0.5	11
	11/5/2005	2,200	7.1	1.0	2.7	0.75	3.6	ND<0.5	ND<0.5	ND<0.5	13
	1/13/2006	1,200	5.	1.1	4.9	1.2	3.1	ND<0.5	ND<0.5	ND<0.5	9.8
	5/12/2006	960	2.4	1.2	1.8	1.1	2.1	ND<0.5	ND<0.5	ND<0.5	6.1
	8/13/2006	1,700	2.2	0.62	1.6	1.0	1.1	ND<0.5	ND<0.5	ND<0.5	5.5
	10/20/2006	1,200	1.9	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	990	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	5.5
4/25/2007	760	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	6.1	
7/23/2007	750	1.4	ND<0.5	ND<0.5	ND<0.5	1.1	NA	NA	NA	NA	
10/24/2007	890	1.3	0.70	0.70	ND<0.5	0.84	NA	NA	NA	NA	
1/27/2008	1,200	1.4	1.1	3.3	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.3	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-4	3/30/1992	76,000	8,000	4,400	730	2,500	NA	NA	NA	NA	NA
	7/1/1992	95,000	6,900	2,200	70	880	NA	NA	NA	NA	NA
	9/30/1992	58,000	7,100	1,500	650	2,700	NA	NA	NA	NA	NA
	11/19/1992	33,000	5,500	840	400	1,400	NA	NA	NA	NA	NA
	2/3/1993	130,000	8,200	6,700	940	4,400	NA	NA	NA	NA	NA
	5/25/1993	63,000	16,000	6,600	1,700	8,100	NA	NA	NA	NA	NA
	9/22/1993	23,000	6,900	940	150	3,000	NA	NA	NA	NA	NA
	12/21/1993	28,000	6,900	1,900	1,100	5,500	NA	NA	NA	NA	NA
	3/18/1994	58,000	17,000	6,300	2,500	10,000	NA	NA	NA	NA	NA
	6/15/1994	59,000	20,000	4,900	2,500	9,100	NA	NA	NA	NA	NA
	9/14/1994	73,000	22,000	6,800	2,700	10,000	NA	NA	NA	NA	NA
	12/19/1994	67,000	20,000	8,300	2,300	9,100	NA	NA	NA	NA	NA
	3/7/1995	57,000	19,000	7,900	2,200	8,700	NA	NA	NA	NA	NA
	6/8/1995	61,000	17,000	6,300	2,700	9,000	NA	NA	NA	NA	NA
	9/22/1995	37,000	12,000	2,200	1,400	3,500	NA	NA	NA	NA	NA
	12/27/1995	3,900	12,000	600	1,800	5,800	NA	NA	NA	NA	NA
	3/26/1996	31,000	9,600	3,700	2,300	6,200	NA	NA	NA	NA	NA
	6/13/1996	240	64	0.93	1.8	2.7	89	NA	NA	NA	NA
	9/10/1996	91,000	13,000	20,000	3,200	16,000	2,900	NA	NA	NA	NA
	12/5/1996	16,000	3,700	3,100	580	2,800	1,200	NA	NA	NA	NA
3/10/1997	630	91	ND<0.5	ND<0.5	0.80	530	NA	NA	NA	NA	
6/12/1997	36,000	4,600	5,300	1,200	5,500	1,100	NA	NA	NA	NA	
8/19/1997	12,000	420	88	61	520	390	NA	NA	NA	NA	
12/13/1997	4,800	560	740	130	1,100	360	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-4 (cont.)	3/12/1998	14,000	2,200	1,500	630	3,000	440	NA	NA	NA	NA
	5/28/1998	67	ND<0.5	0.75	0.68	6.9	26	NA	NA	NA	NA
	8/31/1998	ND<50	1.8	2.5	0.65	3.4	ND<5	NA	NA	NA	NA
	11/19/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	0.61	17	NA	NA	NA	NA
	3/15/1999	160	1.2	1.6	0.76	4.5	9.3	NA	NA	NA	NA
	6/7/1999	5,800	210	370	350	2,000	ND<20	NA	NA	NA	NA
	9/7/1999	130	2.2	2.8	4.8	25	12	NA	NA	NA	NA
	12/13/1999	ND<50	1.3	1.0	1.2	4.8	12	NA	NA	NA	NA
	3/8/2000	3,700	78	200	160	750	11	NA	NA	NA	NA
	6/12/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	24	NA	NA	NA	NA
	11/15/2000	710	12	38	28	130	1,300	NA	NA	NA	NA
	2/27/2001	6,500	67	300	310	1,400	1,000	NA	NA	NA	NA
	5/22/2001	130	2.1	5.6	4.8	20	350	NA	NA	NA	NA
	9/5/2001	6,200	110	670	250	1,300	600	NA	NA	NA	NA
	11/7/2001	4,100	40	270	180	940	110	NA	NA	NA	NA
	2/11/2002	14,000	91	590	620	3,000	350	NA	NA	NA	NA
	6/3/2002	4,300	69	390	190	1,100	240	NA	NA	NA	NA
	8/6/2002	13,000	100	690	570	2,900	170	NA	NA	NA	NA
	11/14/2002	20,000	65	380	550	3,400	130	NA	NA	NA	NA
	2/20/2003	18,000	57	240	650	3,700	98	NA	NA	NA	NA
5/15/2003	8,500	44	100	200	1,200	120	NA	NA	NA	NA	
7/31/2003	11,000	42	59	250	1,400	87	NA	NA	NA	NA	
10/28/2003	8,100	80	40	130	650	130	NA	NA	NA	NA	
2/28/2004	17,000	85	430	570	3,700	67	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-4 (cont.)	4/16/2004	19,000	72	420	570	3,800	60	NA	NA	NA	NA
	7/16/2004	10,000	46	330	360	2,200	58	NA	NA	NA	NA
	11/13/2004	9,400	50	240	360	2,200	22	ND<4	ND<4	ND<4	ND<20
	2/4/2005	4,800	14	160	170	1,100	7.9	ND<4	ND<4	ND<4	ND<20
	4/8/2005	5,800	15	160	200	1,200	6.6	ND<2	ND<2	ND<2	ND<20
	8/10/2005	3,000	7.0	110	100	570	5.2	ND<0.5	ND<0.5	ND<0.5	9.9
	11/5/2005	3,000	6.0	91	95	630	5.3	ND<0.5	ND<0.5	ND<0.5	9.1
	1/13/2006	4,000	8.3	100	160	860	4.9	ND<0.9	ND<0.9	ND<0.9	6.7
	5/12/2006	ND<50	ND<0.5	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	1,200	2.5	20	41	240	2.0	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	1,500	2.9	28	56	350	2.7	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	150	ND<0.5	0.58	1.5	3.3	3.1	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	340	0.83	4.6	10	26	4.8	ND<0.5	ND<0.5	ND<0.5	6.0
	7/23/2007	1,000	2.6	4.1	42	43	3.0	NA	NA	NA	NA
	10/24/2007	2,100	4.7	32	78	230	2.1	NA	NA	NA	NA
1/27/2008	2,500	5.2	9.0	56	130	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5	
MW-5	3/30/1992	29,000	2,600	980	390	1,100	NA	NA	NA	NA	NA
	7/1/1992	52,000	2,400	1,000	5,200	2,000	NA	NA	NA	NA	NA
	9/30/1992	32,000	1,800	780	370	1,700	NA	NA	NA	NA	NA
	11/19/1992	7,800	1,000	280	120	370	NA	NA	NA	NA	NA
	2/3/1993	74,000	3,500	3,000	780	3,200	NA	NA	NA	NA	NA
	5/25/1993	57,000	7,900	4,700	1,900	7,800	NA	NA	NA	NA	NA
	9/22/1993	52,000	7,600	2,400	1,200	8,800	NA	NA	NA	NA	NA
	12/21/1993	23,000	3,600	1,200	970	3,600	NA	NA	NA	NA	NA

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-5 (cont.)	3/18/1994	47,000	8,200	5,000	1,400	6,100	NA	NA	NA	NA	NA
	6/15/1994	28,000	7,900	4,000	1,200	5,200	NA	NA	NA	NA	NA
	9/14/1994	32,000	8,000	5,100	1,400	5,600	NA	NA	NA	NA	NA
	12/19/1994	29,000	7,000	3,400	1,200	5,200	NA	NA	NA	NA	NA
	3/7/1995	36,000	9,800	5,800	1,800	7,800	NA	NA	NA	NA	NA
	6/8/1995	33,000	7,700	3,800	1,500	6,200	NA	NA	NA	NA	NA
	9/22/1995	39,000	9,500	3,800	1,900	7,000	NA	NA	NA	NA	NA
	12/27/1995	42,000	9,700	5,000	2,200	8,800	NA	NA	NA	NA	NA
	3/26/1996	37,000	9,800	4,900	2,300	8,800	NA	NA	NA	NA	NA
	6/13/1996	18,000	5,500	2,200	1,500	5,300	1,400	NA	NA	NA	NA
	9/10/1996	22,000	5,600	1,400	1,100	3,500	860	NA	NA	NA	NA
	12/5/1996	24,000	5,100	2,500	1,400	4,700	650	NA	NA	NA	NA
	3/10/1997	28,000	6,800	2,700	1,300	5,700	760	NA	NA	NA	NA
	6/12/1997	49,000	7,500	3,200	2,300	9,200	700	NA	NA	NA	NA
	8/19/1997	24,000	4,700	990	1,400	4,500	1,600	NA	NA	NA	NA
	12/13/1997	18,000	2,700	760	630	4,200	360	NA	NA	NA	NA
	3/12/1998	12,000	2,600	160	470	2,200	ND<250	NA	NA	NA	NA
	5/28/1998	4,700	480	99	160	730	ND<250	NA	NA	NA	NA
	8/31/1998	1,400	200	14	55	220	180	NA	NA	NA	NA
	11/19/1998	ND<50	1.4	ND<0.5	ND<0.5	ND<0.5	39	NA	NA	NA	NA
3/15/1999	3,400	320	17	290	780	33	NA	NA	NA	NA	
6/7/1999	3,200	220	8.9	240	290	ND<25	NA	NA	NA	NA	
9/7/1999	140	8.5	ND<0.5	8.5	12	38	NA	NA	NA	NA	
12/13/1999	140	ND<0.5	ND<0.5	ND<0.5	13	ND<5	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-5 (cont.)	3/8/2000	280	0.66	ND<0.5	2.5	30	ND<5	NA	NA	NA	NA
	6/12/2000	2,700	22	1.2	79	170	6.4	NA	NA	NA	NA
	11/15/2000	4,500	36	1.6	180	180	10	NA	NA	NA	NA
	2/27/2001	2,800	33	1.6	160	220	110	NA	NA	NA	NA
	5/22/2001	3,200	49	2.2	180	230	240	NA	NA	NA	NA
	9/5/2001	2,400	28	1.0	100	100	560	NA	NA	NA	NA
	11/7/2001	390	ND<2	ND<2	2.1	20	590	NA	NA	NA	NA
	2/11/2002	1,200	19	ND<5	59	52	1,800	NA	NA	NA	NA
	6/3/2002	3,200	44	ND<2	150	210	610	NA	NA	NA	NA
	8/6/2002	3,200	42	ND<2	140	150	820	NA	NA	NA	NA
	11/14/2002	2,900	29	1.3	94	100	560	NA	NA	NA	NA
	2/20/2003	2,900	22	ND<1	81	77	270	NA	NA	NA	NA
	5/15/2003	3,700	55	1.8	94	85	220	NA	NA	NA	NA
	7/31/2003	2,400	45	1.1	26	19	200	NA	NA	NA	NA
	10/28/2003	570	6.8	ND<0.5	4.4	1.1	77	NA	NA	NA	NA
	2/28/2004	3,400	37	1.4	130	120	72	NA	NA	NA	NA
	4/16/2004	2,400	26	0.73	45	53	81	NA	NA	NA	NA
	7/16/2004	2,100	24	0.85	36	20	71	NA	NA	NA	NA
	11/13/2004	1,600	19	0.55	37	17	38	ND<0.5	ND<0.5	ND<0.5	59
	2/4/2005	4,500	40	1.4	120	80	32	ND<0.5	ND<0.5	ND<0.5	43
4/8/2005	67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.9	ND<0.5	ND<0.5	ND<0.5	ND<5	
8/10/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<5	
11/5/2005	110	ND<0.5	ND<0.5	2.2	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	
1/13/2006	0.58	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-5 (cont.)	5/12/2006	ND<50	ND<0.5	0.50	ND<0.5	ND<0.5	0.54	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	140	ND<0.5	ND<0.5	0.58	ND<0.5	0.66	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	320	0.76	ND<0.5	2.8	1.1	1.4	ND<0.5	ND<0.5	ND<0.5	5.9
	2/12/2007	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	ND<0.5	ND<0.5	6.4
	4/25/2007	340	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	ND<0.5	8.1
	7/23/2007	700	0.72	ND<0.5	1.4	0.70	3.2	NA	NA	NA	NA
	10/24/2007	1,000	1.6	ND<0.5	2.1	0.60	2.5	NA	NA	NA	NA
	1/27/2008	1,900	14	0.78	34	6.0	4.9	ND<0.5	ND<0.5	ND<0.5	10
MW-6	3/30/1992	73	2.1	1.1	ND	0.60	NA	NA	NA	NA	NA
	7/1/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	9/30/1992	ND	0.73	ND	ND	0.58	NA	NA	NA	NA	NA
	11/19/1992	96	1.5	ND<0.5	ND<0.5	0.90	NA	NA	NA	NA	NA
	2/3/1993	73	0.6	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	5/25/1993	NS ^(g)	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/11/1993	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	12/21/1993	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	3/18/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/15/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	9/14/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	12/19/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	3/7/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/8/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	9/22/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
12/27/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-6 (cont.)	3/26/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/13/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	9/10/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	12/5/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/10/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/19/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	12/13/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/12/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	5/28/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/31/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	11/19/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/15/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/7/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	9/7/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	12/13/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/8/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	11/15/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/27/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
5/22/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
9/5/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
11/7/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
2/11/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	

TABLE E-1

GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-6 (cont.)	6/3/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	8/6/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	11/14/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/20/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	5/15/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	7/31/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	10/28/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/28/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	4/16/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	7/16/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	11/13/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/4/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/8/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/10/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	11/5/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/13/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	5/12/2006	ND<50	ND<0.5	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	
7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
10/24/2007	76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-7	3/30/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	7/1/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	9/30/1992	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	11/19/1992	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	2/3/1993	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	5/25/1993	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/1993	ND<50	0.51	0.82	ND<0.5	0.81	NA	NA	NA	NA	NA
	12/21/1993	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	3/18/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/15/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	9/14/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	12/19/1994	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	3/7/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/8/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	9/22/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	12/27/1995	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	3/26/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	NA
	6/13/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	9/10/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	12/5/1996	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
3/7/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA	
6/12/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA	
8/19/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA	
12/13/1997	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-7 (cont.)	3/12/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	5/28/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/31/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	11/19/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/15/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/7/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	9/7/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	12/13/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/8/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	11/15/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/27/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	5/22/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	9/5/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	11/7/2001	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/11/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/3/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.95	NA	NA	NA	NA
	8/6/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	11/14/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	2/20/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
5/15/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.69	NA	NA	NA	NA	
7/31/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65	NA	NA	NA	NA	
10/28/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2/28/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	

TABLE E-1

GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-7 (cont.)	4/16/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	7/16/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	11/13/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/4/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/8/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.78	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/10/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	ND<5
	11/5/2005	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/13/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	ND<0.5	ND<0.5	ND<0.5	ND<5
	5/12/2006	ND<50	ND<0.5	0.59	ND<0.5	ND<0.5	0.57	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.54	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
	10/24/2007	76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	
MW-8	3/30/1992	3,000	1,700	880	970	1,900	NA	NA	NA	NA	NA
	7/1/1992	72,000	1,800	550	520	2,200	NA	NA	NA	NA	NA
	9/30/1992	12,000	680	140	140	560	NA	NA	NA	NA	NA
	11/19/1992	9,600	530	310	130	560	NA	NA	NA	NA	NA
	2/3/1993	44,000	1,500	1,300	490	2,300	NA	NA	NA	NA	NA
	5/25/1993	7,400	580	160	170	480	NA	NA	NA	NA	NA
	9/22/1993	2,400	490	45	37	140	NA	NA	NA	NA	NA
	12/21/1993	1,400	240	7.5	ND<2.5	82	NA	NA	NA	NA	NA

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-8 (cont.)	3/18/1994	8,600	1,600	680	470	1,900	NA	NA	NA	NA	NA
	6/15/1994	4,800	980	380	260	1,200	NA	NA	NA	NA	NA
	9/14/1994	6,600	1,200	280	330	1,100	NA	NA	NA	NA	NA
	12/19/1994	8,400	1,800	390	500	2,000	NA	NA	NA	NA	NA
	3/7/1995	7,400	1,400	370	440	2,000	NA	NA	NA	NA	NA
	6/8/1995	6,000	790	220	290	1,400	NA	NA	NA	NA	NA
	9/22/1995	4,100	750	93	230	860	NA	NA	NA	NA	NA
	12/27/1995	5,400	860	140	350	1,400	NA	NA	NA	NA	NA
	3/26/1996	1,700	180	27	100	370	NA	NA	NA	NA	NA
	6/13/1996	2,400	500	67	220	850	42	NA	NA	NA	NA
	9/10/1996	7,000	1,300	100	410	1,600	ND<50	NA	NA	NA	NA
	12/5/1996	6,300	1,100	78	410	1,600	ND<50	NA	NA	NA	NA
	3/7/1997	6,500	840	67	330	1,500	ND<130	NA	NA	NA	NA
	6/12/1997	7,500	1,000	79	390	1,400	ND<50	NA	NA	NA	NA
	8/19/1997	1,100	170	14	38	220	ND<20	NA	NA	NA	NA
	12/13/1997	4,100	300	29	190	860	24	NA	NA	NA	NA
	3/12/1998	72	1.4	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	5/28/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	8/31/1998	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	11/19/1998	14000	510	24	1200	2800	ND<5	NA	NA	NA	NA
3/15/1999	14,000	160	16	910	2,100	ND<50	NA	NA	NA	NA	
6/7/1999	7,800	330	14	470	880	ND<50	NA	NA	NA	NA	
9/7/1999	3,200	150	2.6	260	370	ND<5	NA	NA	NA	NA	
12/13/1999	6,700	35	ND<5	280	730	ND<50	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-8 (cont.)	3/8/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/2000	140	4.0	ND<0.5	4.9	2.1	ND<5	NA	NA	NA	NA
	11/15/2000	100	2.0	ND<0.5	3.1	2.6	110	NA	NA	NA	NA
	2/27/2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/22/2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/5/2001	4,800	160	ND<2	200	330	850	NA	NA	NA	NA
	11/7/2001	ND<100	1.1	ND<1	2.0	6.1	590	NA	NA	NA	NA
	2/11/2002	ND<500	7.9	ND<5	16	22	1,700	NA	NA	NA	NA
	6/3/2002	550	20	ND<2	19	35	650	NA	NA	NA	NA
	8/6/2002	4,800	220	ND<2	170	280	1,000	NA	NA	NA	NA
	11/14/2002	4,800	250	ND<2.5	160	220	1,200	NA	NA	NA	NA
	2/20/2003	760	17	ND<1	19	42	520	NA	NA	NA	NA
	5/15/2003	690	14	ND<0.5	16	23	370	NA	NA	NA	NA
	7/31/2003	700	29	ND<1	15	18	380	NA	NA	NA	NA
	10/28/2003	2,000	87	ND<1	34	40	490	NA	NA	NA	NA
	2/28/2004	1,100	21	ND<0.5	15	49	200	NA	NA	NA	NA
	4/16/2004	2,900	57	ND<0.5	52	75	300	NA	NA	NA	NA
	7/16/2004	2,000	32	ND<0.5	34	51	92	NA	NA	NA	NA
	11/13/2004	4,100	30	0.64	84	92	61	ND<0.5	ND<0.5	ND<0.5	76
	2/4/2005	2,700	27	ND<0.5	65	92	56	ND<0.5	ND<0.5	ND<0.5	38
4/8/2005	81	1	ND<0.5	ND<0.5	ND<0.5	7	ND<0.5	ND<0.5	ND<0.5	ND<5	
8/10/2005	2,000	14	ND<0.5	26	22	27	ND<0.5	ND<0.5	ND<0.5	22	
11/5/2005	2,300	9.7	ND<0.5	54	67	15	ND<0.5	ND<0.5	ND<0.5	21	
1/13/2006	52	ND<0.5	ND<0.5	ND<0.5	0.51	0.58	ND<0.5	ND<0.5	ND<0.5	ND<5	

TABLE E-1

GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-8 (cont.)	5/12/2006	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/13/2006	77	0.51	ND<0.5	0.84	0.51	6.1	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	100	1.1	ND<0.5	1.8	0.94	5.8	ND<0.5	ND<0.5	ND<0.5	6.5
	2/12/2007	69	ND<0.5	ND<0.5	ND<0.5	4.5	4.2	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	NA	NA	NA	NA
	10/24/2007	60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	NA	NA	NA	NA
	1/27/2008	51	ND<0.5	ND<0.5	ND<0.5	0.68	2.4	ND<0.5	ND<0.5	ND<0.5	ND<5
MW-9	12/20/1994	16,000	2,500	1,400	690	2,800	NA	NA	NA	NA	NA
	3/7/1995	5,200	1,600	250	320	520	NA	NA	NA	NA	NA
	6/8/1995	4,900	1,000	98	300	200	NA	NA	NA	NA	NA
	9/22/1995	4,000	1,100	82	190	200	NA	NA	NA	NA	NA
	12/27/1995	2,800	960	100	200	250	NA	NA	NA	NA	NA
	3/26/1996	1,600	380	44	96	110	NA	NA	NA	NA	NA
	6/13/1996	1,800	540	71	140	180	750	NA	NA	NA	NA
	9/10/1996	2,400	860	70	190	210	810	NA	NA	NA	NA
	12/5/1996	5,500	2,100	420	380	720	960	NA	NA	NA	NA
	3/7/1997	4,200	1,300	170	260	440	720	NA	NA	NA	NA
	6/12/1997	11,000	2,500	490	560	1,300	1,000	NA	NA	NA	NA
	8/19/1997	42,000	7,700	3,500	2,000	8,300	ND<1,000	NA	NA	NA	NA
	12/13/1997	13,000	1,300	280	960	3,100	710	NA	NA	NA	NA
	3/12/1998	3,700	320	23	180	720	190	NA	NA	NA	NA
	5/28/1998	2,200	110	6.4	87	300	220	NA	NA	NA	NA
8/31/1998	11,000	240	23	690	1,900	ND<50	NA	NA	NA	NA	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-9 (cont.)	11/19/1998	280	7.7	ND<0.5	10	22	67	NA	NA	NA	NA
	3/15/1999	ND<50	ND<0.5	ND<0.5	ND<0.5	1.2	ND<5	NA	NA	NA	NA
	6/7/1999	340	9.3	0.86	9.7	12	ND<5	NA	NA	NA	NA
	9/7/1999	72	0.76	ND<0.5	1.9	0.80	9.9	NA	NA	NA	NA
	12/13/1999	60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	3/8/2000	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	NA	NA	NA	NA
	6/12/2000	640	0.90	ND<0.5	2.7	1.3	10	NA	NA	NA	NA
	11/15/2000	200	ND<0.5	ND<0.5	0.69	ND<0.5	12	NA	NA	NA	NA
	2/27/2001	360	0.61	ND<0.5	2.2	1.2	42	NA	NA	NA	NA
	5/22/2001	330	0.57	ND<0.5	2.1	0.61	290	NA	NA	NA	NA
	9/5/2001	ND<200	ND<2	ND<2	ND<2	ND<2	1,100	NA	NA	NA	NA
	11/7/2001	230	ND<1	ND<1	ND<1	ND<1	510	NA	NA	NA	NA
	2/11/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	41	NA	NA	NA	NA
	6/3/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	55	NA	NA	NA	NA
	8/6/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	NA	NA	NA	NA
	11/14/2002	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	47	NA	NA	NA	NA
	2/20/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28	NA	NA	NA	NA
	5/15/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.9	NA	NA	NA	NA
	7/31/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.85	NA	NA	NA	NA
	10/28/2003	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	NA	NA	NA	NA
2/28/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
4/16/2004	53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
7/16/2004	56	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA	
11/13/2004	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	

TABLE E-1
GROUNDWATER MONITORING ANALYTICAL RESULTS
TESORO - SAN LEANDRO, 67106

Monitoring Well	Sample Date ^(a)	TPHg ^(b) (ug/l)	Benzene ^(b) (ug/l)	Toluene ^(b) (ug/l)	Ethylbenzene ^(b) (ug/l)	Total Xylenes ^(b) (ug/l)	MTBE ^(b) (ug/l)	DIPE ^(b) (ug/l)	ETBE ^(b) (ug/l)	TAME ^(b) (ug/l)	TBA ^(b) (ug/l)
ESLs ^(c)		100	1.0	40	30	20	5.0	NE ^(d)	NE	NE	12
MW-9 (cont.)	2/4/2005	90	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/8/2005	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	8/10/2005	260	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	11/5/2005	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	1/13/2006	280	ND<0.5	ND<0.5	0.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	5/12/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/13/2006	1,000	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	10/20/2006	490	ND<0.5	ND<0.5	0.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	2/12/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5
	4/25/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<5
	7/23/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	NA	NA	NA	NA
	10/24/2007	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA	NA	NA	NA
1/27/2008	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	

- (a) Samples collected before January 2008 reported by others; data provided by RDM Environmental, Inc. (RDM), Fourth Quarter 2007 Groundwater Monitoring Report.
- (b) Total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), methanol, and ethanol analyzed by EPA Method 8260; reported in micrograms per liter (ug/l).
- (c) Environmental Screening Levels (ESLs) taken from Regional Water Quality Control Board, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup tables dated November 2007.
- (d) NE - Not established.
- (e) NA - Not analyzed.
- (f) ND - Not detected at the reporting limit listed.
- (g) NS - Not sampled;

ATTACHMENT F

**LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY FORM**



Report Number : 60820

Date : 2/4/2008

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 9 Water Samples
Project Name : 02-67106
Project Number : 02-67106

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Subject : 9 Water Samples
Project Name : 02-67106
Project Number : 02-67106

Case Narrative

The Method Reporting Limit for Methanol has been increased due to the presence of an interfering compound for sample MW-2.

The Method Reporting Limit for Ethanol has been increased due to the presence of an interfering compound for sample MW-5.

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-1, MW-3, MW-4, MW-5, MW-6, MW-8 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: _____


Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

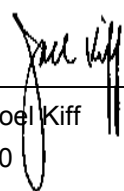
Sample : MW-1

Matrix : Water

Lab Number : 60820-01

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	0.52	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	1.8	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	0.72	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	690	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/1/2008

Approved By:  Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : **02-67106**

Project Number : **02-67106**


Sample : **MW-2**

Matrix : Water

Lab Number : 60820-02

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.4	1.5	ug/L	EPA 8260B	2/1/2008
Toluene	5.3	1.5	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	350	1.5	ug/L	EPA 8260B	2/1/2008
Total Xylenes	130	1.5	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 1.5	1.5	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 1.5	1.5	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 1.5	1.5	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	7.2	7.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 300	300	ug/L	EPA 8260B	2/1/2008
Ethanol	< 15	15	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	8100	150	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	2/1/2008

Approved By:  Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

Sample : MW-3

Matrix : Water

Lab Number : 60820-03

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.4	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	1.1	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	3.3	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	1.8	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	9.3	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	1200	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

Sample : MW-4

Matrix : Water

Lab Number : 60820-04

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.2	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	9.0	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	56	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	130	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	1.2	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	2500	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

Sample : MW-5

Matrix : Water

Lab Number : 60820-05

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	14	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	0.78	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	34	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	6.0	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	4.9	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	10	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 50	50	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	1900	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

Sample : MW-6

Matrix : Water

Lab Number : 60820-06

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

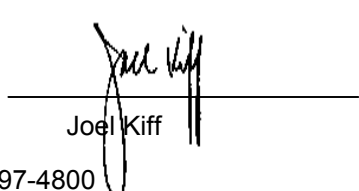
Sample : MW-7

Matrix : Water

Lab Number : 60820-07

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	96.1		% Recovery	EPA 8260B	2/1/2008

Approved By:  Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106


Sample : MW-8

Matrix : Water

Lab Number : 60820-08

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	0.68	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	2.4	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	51	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	2/1/2008

Approved By:  Joel Kiff



Report Number : 60820

Date : 2/4/2008

Project Name : 02-67106

Project Number : 02-67106

Sample : MW-9

Matrix : Water

Lab Number : 60820-09

Sample Date :1/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	9.9	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/1/2008

Approved By:

Joel Kiff

QC Report : Method Blank Data

Project Name : **02-67106**

Project Number : **02-67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/1/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
Methanol	< 50	50	ug/L	EPA 8260B	2/1/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/1/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/1/2008
Toluene - d8 (Surr)	99.2		%	EPA 8260B	2/1/2008
4-Bromofluorobenzene (Surr)	98.3		%	EPA 8260B	2/1/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
Methanol	< 50	50	ug/L	EPA 8260B	1/31/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/31/2008
Toluene - d8 (Surr)	98.3		%	EPA 8260B	1/31/2008
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	1/31/2008

Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
Methanol	< 50	50	ug/L	EPA 8260B	1/31/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/31/2008
Toluene - d8 (Surr)	106		%	EPA 8260B	1/31/2008
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	1/31/2008

Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/31/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
Methanol	< 50	50	ug/L	EPA 8260B	1/31/2008
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	1/31/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/31/2008
Toluene - d8 (Surr)	99.1		%	EPA 8260B	1/31/2008
4-Bromofluorobenzene (Surr)	95.8		%	EPA 8260B	1/31/2008

Approved By:  Joel Kiff

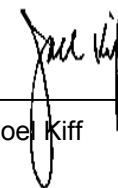
QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 02-67106

Project Number : 02-67106

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	60792-08	<0.50	39.8	39.5	39.0	38.4	ug/L	EPA 8260B	2/1/08	98.1	97.2	0.877	70-130	25
Toluene	60792-08	<0.50	39.8	39.5	39.0	38.2	ug/L	EPA 8260B	2/1/08	98.0	96.5	1.55	70-130	25
Tert-Butanol	60792-08	<5.0	199	198	189	206	ug/L	EPA 8260B	2/1/08	95.0	104	9.11	70-130	25
Methyl-t-Butyl Ether	60792-08	<0.50	39.8	39.5	39.0	39.6	ug/L	EPA 8260B	2/1/08	98.1	100	2.17	70-130	25
Benzene	60835-03	38	40.0	40.0	71.3	72.1	ug/L	EPA 8260B	1/31/08	82.7	84.7	2.39	70-130	25
Toluene	60835-03	0.90	40.0	40.0	36.4	37.0	ug/L	EPA 8260B	1/31/08	88.7	90.3	1.76	70-130	25
Tert-Butanol	60835-03	180	200	200	357	387	ug/L	EPA 8260B	1/31/08	86.9	102	15.9	70-130	25
Methyl-t-Butyl Ether	60835-03	290	40.0	40.0	327	342	ug/L	EPA 8260B	1/31/08	85.4	123	36.2	70-130	25
Benzene	60835-04	<0.50	40.0	40.0	38.5	37.4	ug/L	EPA 8260B	1/31/08	96.2	93.5	2.88	70-130	25
Toluene	60835-04	<0.50	40.0	40.0	41.9	40.9	ug/L	EPA 8260B	1/31/08	105	102	2.26	70-130	25
Tert-Butanol	60835-04	<5.0	200	200	205	202	ug/L	EPA 8260B	1/31/08	102	101	1.28	70-130	25
Methyl-t-Butyl Ether	60835-04	<0.50	40.0	40.0	36.9	36.6	ug/L	EPA 8260B	1/31/08	92.3	91.5	0.857	70-130	25
Benzene	60821-02	<0.50	40.0	40.0	38.4	36.6	ug/L	EPA 8260B	1/31/08	96.1	91.6	4.84	70-130	25
Toluene	60821-02	<0.50	40.0	40.0	39.1	36.7	ug/L	EPA 8260B	1/31/08	97.8	91.8	6.35	70-130	25
Tert-Butanol	60821-02	<5.0	200	200	197	193	ug/L	EPA 8260B	1/31/08	98.3	96.5	1.89	70-130	25
Methyl-t-Butyl Ether	60821-02	0.66	40.0	40.0	41.2	38.4	ug/L	EPA 8260B	1/31/08	101	94.4	7.07	70-130	25

Approved By: Joel Kiff



KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **02-67106**

Project Number : **02-67106**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/1/08	96.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/1/08	96.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/1/08	93.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/1/08	99.7	70-130
Benzene	40.0	ug/L	EPA 8260B	1/31/08	96.0	70-130
Toluene	40.0	ug/L	EPA 8260B	1/31/08	106	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/31/08	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/31/08	93.0	70-130
Benzene	40.0	ug/L	EPA 8260B	1/31/08	95.9	70-130
Toluene	40.0	ug/L	EPA 8260B	1/31/08	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/31/08	96.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/31/08	91.0	70-130
Benzene	40.0	ug/L	EPA 8260B	1/31/08	102	70-130
Toluene	40.0	ug/L	EPA 8260B	1/31/08	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/31/08	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/31/08	103	70-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By:



 Joel Kiff



Analysis Summary

Report Number : 60820

Date : 2/4/2008

Attention : Richard Munsch
 RDM Environmental
 6280 Brookshire Drive
 Rocklin, CA 95677

Project Name :02-67106
 Project Number : 02-67106

Sample Name			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
Sample Date			1/27/2008		1/27/2008		1/27/2008		1/27/2008		1/27/2008		1/27/2008		1/27/2008		1/27/2008	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	1.5	5.4	0.50	1.4	0.50	5.2	0.50	14	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	0.52	1.5	5.3	0.50	1.1	0.50	9.0	0.50	0.78	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	1.8	1.5	350	0.50	3.3	0.50	56	0.50	34	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	0.72	1.5	130	0.50	1.8	0.50	130	0.50	6.0	0.50	ND	0.50	ND	0.50	0.68
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	0.50	1.2	0.50	4.9	0.50	ND	0.50	ND	0.50	2.4
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	7.0	7.2	5.0	9.3	5.0	ND	5.0	10	5.0	ND	5.0	ND	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND	300	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND	15	ND	5.0	ND	5.0	ND	50	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	690	150	8100	50	1200	50	2500	50	1900	50	ND	50	ND	50	51
Toluene - d8 (Surr)	EPA 8260B	%		105		97.8		104		104		105		105		100		105
4-Bromofluorobenzene (Surr)	EPA 8260B	%		106		97.1		106		109		108		105		96.1		108

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff



Analysis Summary

Report Number : 60820

Date : 2/4/2008

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :02-67106
Project Number : 02-67106

Sample Name		MW-9		
Sample Date		1/27/2008		
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND
Ethanol	EPA 8260B	ug/L	5.0	9.9
TPH as Gasoline	EPA 8260B	ug/L	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		98.0
4-Bromofluorobenzene (Surr)	EPA 8260B	%		106

MRL = Method Reporting Limit
ND = Not Detected

Approved By,



Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

February 05, 2008

CLS Work Order #: CRA0999
COC #: 60820

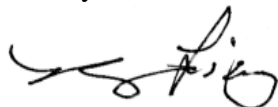
Troy Turpen
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

Project Name: 02-67106

Enclosed are the results of analyses for samples received by the laboratory on 01/29/08 14:34. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	--

CRA 0999

		2795 Second Street, Suite 300 Davis, CA 95618 Lab: 530.297.4800 Fax: 530.297.4808		California Lab Services 3249 Fitzgerald Rd Rancho Cordova, CA 95742 tel: (916) 638-7301		COC# 60820 Page 1 of 1																																																																																																																																																																																																																														
Project Contact (Hardcopy or PDF to): Troy Turpen		EDF Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																																																																																																																																																																																																																																
Company/Address: Kiff Analytical, LLC		Recommended but not mandatory to complete this section: Sampling Company Log Code:		Analysis Request																																																																																																																																																																																																																																
Phone No.:	FAX No.:	Global ID:		Date due: February 5, 2008 For Lab Use Only																																																																																																																																																																																																																																
Project Number: 02 - 67106	P.O. No.: 60820	EDF Deliverable to (Email Address):																																																																																																																																																																																																																																		
Project Name: 02 - 67106		E-mail address: inbox@kiffanalytical.com																																																																																																																																																																																																																																		
Project Address:		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Designation</th> <th colspan="2">Sampling</th> <th colspan="3">Container</th> <th colspan="5">Preservative</th> <th colspan="2">Matrix</th> <th rowspan="2">Total Iron</th> <th rowspan="2">Dissolved CO2</th> <th rowspan="2">Alkalinity</th> <th rowspan="2">T.O.C.</th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th>VOA</th> <th>Poly</th> <th>Seive</th> <th>Amber</th> <th>Glass</th> <th>HNO₃</th> <th>H₂SO₄</th> <th>Na₂S₂O₈</th> <th>ZnAc₂ & NaOH</th> <th>NCME</th> <th>WATER</th> <th>SOIL</th> <th>Air</th> </tr> </thead> <tbody> <tr><td>MW-1</td><td>01/27/08</td><td>14:23</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-2</td><td>01/27/08</td><td>15:00</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-3</td><td>01/27/08</td><td>13:10</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-4</td><td>01/27/08</td><td>13:51</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-5</td><td>01/27/08</td><td>12:37</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-6</td><td>01/27/08</td><td>10:58</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-7</td><td>01/27/08</td><td>10:23</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-8</td><td>01/27/08</td><td>12:06</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>MW-9</td><td>01/27/08</td><td>11:30</td><td>3</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td>2</td><td>X</td><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> </tbody> </table>		Sample Designation	Sampling		Container			Preservative					Matrix		Total Iron	Dissolved CO2	Alkalinity	T.O.C.			Date	Time	VOA	Poly	Seive	Amber	Glass	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₈	ZnAc ₂ & NaOH	NCME	WATER	SOIL	Air	MW-1	01/27/08	14:23	3			1	1	1				2	X		X	X	X	X		X	MW-2	01/27/08	15:00	3			1	1	1				2	X		X	X	X	X		X	MW-3	01/27/08	13:10	3			1	1	1				2	X		X	X	X	X		X	MW-4	01/27/08	13:51	3			1	1	1				2	X		X	X	X	X		X	MW-5	01/27/08	12:37	3			1	1	1				2	X		X	X	X	X		X	MW-6	01/27/08	10:58	3			1	1	1				2	X		X	X	X	X		X	MW-7	01/27/08	10:23	3			1	1	1				2	X		X	X	X	X		X	MW-8	01/27/08	12:06	3			1	1	1				2	X		X	X	X	X		X	MW-9	01/27/08	11:30	3			1	1	1				2	X		X	X	X	X		X		
Sample Designation	Sampling		Container			Preservative					Matrix		Total Iron	Dissolved CO2	Alkalinity	T.O.C.																																																																																																																																																																																																																				
	Date	Time	VOA	Poly	Seive	Amber	Glass	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₈	ZnAc ₂ & NaOH	NCME					WATER	SOIL	Air																																																																																																																																																																																																																	
MW-1	01/27/08	14:23	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-2	01/27/08	15:00	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-3	01/27/08	13:10	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-4	01/27/08	13:51	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-5	01/27/08	12:37	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-6	01/27/08	10:58	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-7	01/27/08	10:23	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-8	01/27/08	12:06	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
MW-9	01/27/08	11:30	3			1	1	1				2	X		X	X	X	X		X																																																																																																																																																																																																																
Relinquished by: <i>Michelle Sperry</i>		Date: 01/29/08	Time: 1434	Received by:		Remarks: 4°C Bill to: Accounts Payable																																																																																																																																																																																																																														
Relinquished by:		Date:	Time:	Received by:																																																																																																																																																																																																																																
Relinquished by:		Date:	Time:	Received by Laboratory:																																																																																																																																																																																																																																

p.2
5302974802
Kiff Analytical
Jan 29 08 03:55p

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CRA0999-01) Water Sampled: 01/27/08 14:23 Received: 01/29/08 14:34									
Total Alkalinity	96	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	96	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	16	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	3.5	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-2 (CRA0999-02) Water Sampled: 01/27/08 15:00 Received: 01/29/08 14:34									
Total Alkalinity	64	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	64	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	11	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	7.7	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-3 (CRA0999-03) Water Sampled: 01/27/08 13:10 Received: 01/29/08 14:34									
Total Alkalinity	100	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	100	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	19	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	4.5	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-4 (CRA0999-04) Water Sampled: 01/27/08 13:51 Received: 01/29/08 14:34									
Total Alkalinity	320	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	320	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	49	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	6.7	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (CRA0999-05) Water Sampled: 01/27/08 12:37 Received: 01/29/08 14:34									
Total Alkalinity	580	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	580	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	120	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	6.6	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-6 (CRA0999-06) Water Sampled: 01/27/08 10:58 Received: 01/29/08 14:34									
Total Alkalinity	440	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	440	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	70	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	4.4	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-7 (CRA0999-07) Water Sampled: 01/27/08 10:23 Received: 01/29/08 14:34									
Total Alkalinity	220	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	220	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	43	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	ND	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	
MW-8 (CRA0999-08) Water Sampled: 01/27/08 12:06 Received: 01/29/08 14:34									
Total Alkalinity	220	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	220	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	46	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	ND	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (CRA0999-09) Water Sampled: 01/27/08 11:30 Received: 01/29/08 14:34									
Total Alkalinity	120	5.0	mg/L	1	CR00825	01/30/08	01/30/08	SM2310B	
Bicarbonate as CaCO3	120	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	64	5.0	"	"	CR00857	01/31/08	01/31/08	SM 4500C	
Total Organic Carbon	6.4	1.0	"	"	CR00937	02/04/08	02/05/08	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	--

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CRA0999-01) Water Sampled: 01/27/08 14:23 Received: 01/29/08 14:34									
Iron	240	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-2 (CRA0999-02) Water Sampled: 01/27/08 15:00 Received: 01/29/08 14:34									
Iron	970	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-3 (CRA0999-03) Water Sampled: 01/27/08 13:10 Received: 01/29/08 14:34									
Iron	950	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-4 (CRA0999-04) Water Sampled: 01/27/08 13:51 Received: 01/29/08 14:34									
Iron	1300	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-5 (CRA0999-05) Water Sampled: 01/27/08 12:37 Received: 01/29/08 14:34									
Iron	1300	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-6 (CRA0999-06) Water Sampled: 01/27/08 10:58 Received: 01/29/08 14:34									
Iron	ND	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-7 (CRA0999-07) Water Sampled: 01/27/08 10:23 Received: 01/29/08 14:34									
Iron	ND	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-8 (CRA0999-08) Water Sampled: 01/27/08 12:06 Received: 01/29/08 14:34									
Iron	440	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	
MW-9 (CRA0999-09) Water Sampled: 01/27/08 11:30 Received: 01/29/08 14:34									
Iron	460	100	µg/L	1	CR00802	01/30/08	02/04/08	EPA 200.7	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch CR00825 - General Preparation

Blank (CR00825-BLK1)				Prepared & Analyzed: 01/30/08						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

Duplicate (CR00825-DUP1)				Source: CRA0955-01		Prepared & Analyzed: 01/30/08				
Total Alkalinity	61.0	5.0	mg/L		60.2			1.32	20	
Bicarbonate as CaCO3	61.0	5.0	"		60.2			1.32	20	
Carbonate as CaCO3	ND	5.0	"		ND				20	
Hydroxide as CaCO3	ND	5.0	"		ND				20	

Batch CR00857 - General Preparation

Blank (CR00857-BLK1)				Prepared & Analyzed: 01/31/08						
Carbon Dioxide as CO2	ND	5.0	mg/L							

Batch CR00937 - General Preparation

Blank (CR00937-BLK1)				Prepared: 02/04/08 Analyzed: 02/05/08						
Total Organic Carbon	ND	1.0	mg/L							

LCS (CR00937-BS1)				Prepared: 02/04/08 Analyzed: 02/05/08						
Total Organic Carbon	9.68	1.0	mg/L	10.0	96.8		75-125			

LCS Dup (CR00937-BSD1)				Prepared: 02/04/08 Analyzed: 02/05/08						
Total Organic Carbon	9.62	1.0	mg/L	10.0	96.2		75-125	0.529	25	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch CR00937 - General Preparation

Matrix Spike (CR00937-MS1)	Source: CRA0999-01	Prepared: 02/04/08	Analyzed: 02/05/08							
Total Organic Carbon	12.0	1.0	mg/L	10.0	3.46	85.1	75-125			
Matrix Spike Dup (CR00937-MSD1)	Source: CRA0999-01	Prepared: 02/04/08	Analyzed: 02/05/08							
Total Organic Carbon	12.0	1.0	mg/L	10.0	3.46	85.8	75-125	0.583	25	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 02-67106 Project Number: 02-67106 Project Manager: Troy Turpen	CLS Work Order #: CRA0999 COC #: 60820
---	---	---

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CR00802 - EPA 3010A										
Blank (CR00802-BLK1)										
Prepared: 01/30/08 Analyzed: 02/04/08										
Iron	ND	100	µg/L							
LCS (CR00802-BS1)										
Prepared: 01/30/08 Analyzed: 02/04/08										
Iron	1040	100	µg/L	1000		104	80-120			
LCS Dup (CR00802-BSD1)										
Prepared: 01/30/08 Analyzed: 02/04/08										
Iron	1060	100	µg/L	1000		106	80-120	1.81	20	
Matrix Spike (CR00802-MS1)										
Source: CRA0999-01 Prepared: 01/30/08 Analyzed: 02/04/08										
Iron	1360	100	µg/L	1000	240	112	75-125			
Matrix Spike Dup (CR00802-MSD1)										
Source: CRA0999-01 Prepared: 01/30/08 Analyzed: 02/04/08										
Iron	1400	100	µg/L	1000	240	116	75-125	2.97	25	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

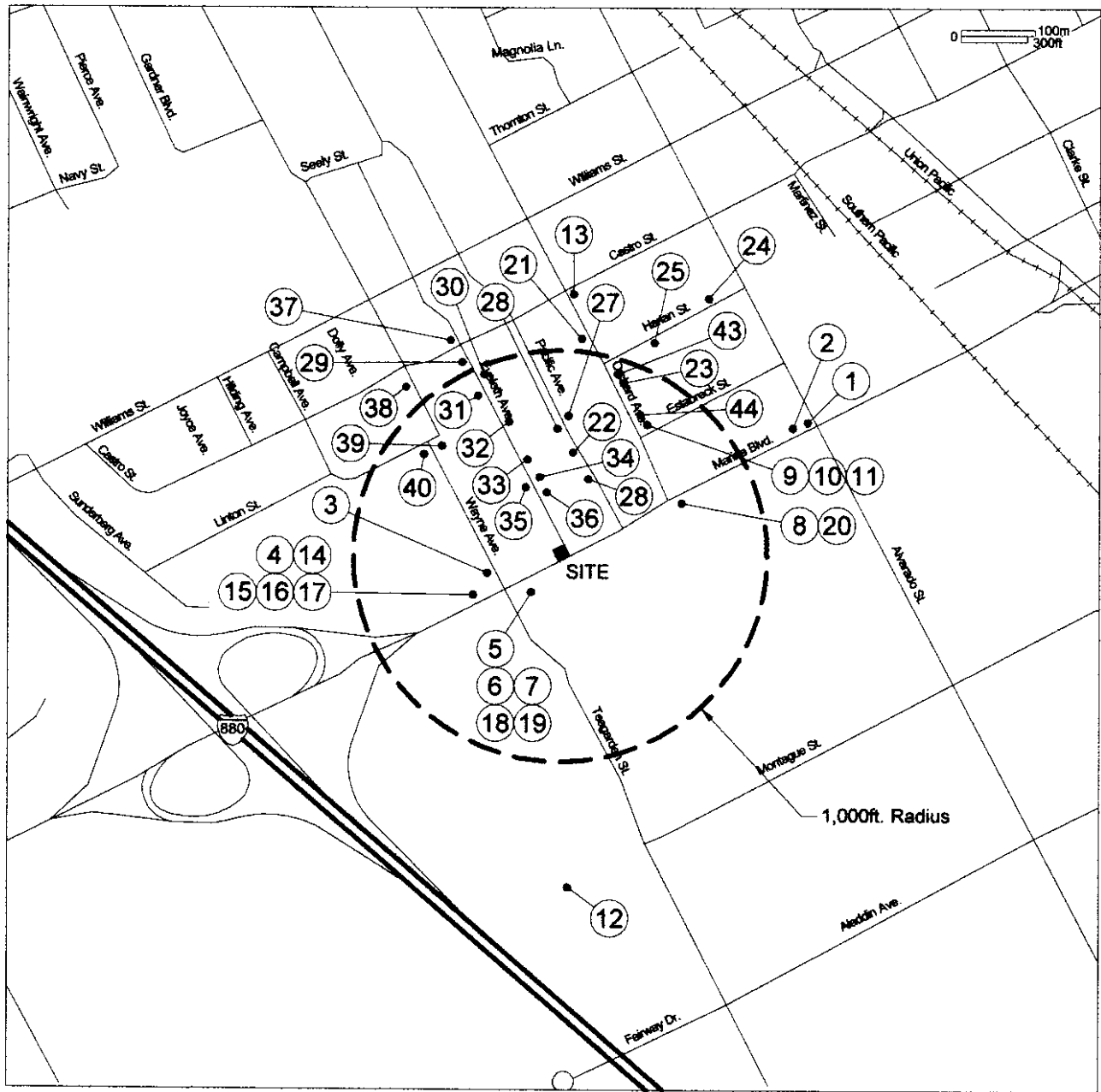
Project: 02-67106
Project Number: 02-67106
Project Manager: Troy Turpen

CLS Work Order #: CRA0999
COC #: 60820

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

ATTACHMENT G
WELL SURVEY



LEGEND:

- ① WATER WELL LOCATION

GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 SAN LEANDRO, CA
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION

FIGURE 8
WATER WELL LOCATION MAP
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 8/3/06
FILE NO. 00-3720-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R **M**
Environmental

TABLE 5
Water Well Search Survey Data

Tesoro Station 67106
1088 Marina Boulevard,
San Leandro, California

Map Location	Owner	Owners Address	Location of Well	DWR Well ID	Driller	TD/CD (ft. bsg.)	Perf. Interval (ft. bsg.)	Casing Dia./Type/Depth	Seal/Depth (ft. bsg.)	DTW (ft. bsg.)	Proposed Use	Date Installed	Status	Location Verified
1	Unocal	NR	Corner of Alvarado and Marina	2S3W35G3 (No. 011350)	NR	40	14'-40'	2"/PVC/40'	0-12'	20'	Monitoring	1988	Destroyed	located
2	NR	846 Marina Boulevard	846 Marina Boulevard	2S3W35G (No. 01451A)	Woodward Clyde	20	5'-20'	2"/PVC/20'	0-4'	13'	Monitoring	6/11/1905	Destroyed	located
3	Doral's Repair	2151 Wayne Avenue	2151 Wayne Avenue	2S3W35D7 (No. 01420Z)	Crosby & Overton	35	15'-35'	2"/PVC/35'	0-10'	25	Monitoring	3/3/1989	Destroyed	located
4	GMC	1444 Marina Boulevard	1444 Marina Boulevard	2S3W35L (No. 01452A)	Spectrum Drilling	40"	10'-40'	2"/ PVC/40'	0-8'	20'	Monitoring	12/6/1989	Destroyed	located
5	Safeway Stores	210 Fourth Street, Oakland CA	1111 Marina Boulevard	2S3W35L11 (No. 303282)	Baseline	19.5	13'-19.5'	2"/PVC/19.5'	0-11'	15.92'	Monitoring	5/16/1990	Destroyed	located
6	Safeway Stores	210 Fourth Street, Oakland CA	1111 Marina Boulevard	2S3W35L12 (No. 303293)	Baseline	19.5	13'-19.5'	2"/PVC/19.5'	0-11'	15.66'	Monitoring	5/16/1990	Destroyed	located
7	Safeway Stores	210 Fourth Street, Oakland CA	1111 Marina Boulevard	2S3W35L13 (No. 303294)	Baseline	19.5	13'-19.5'	2"/PVC/19.5'	0-11'	15.06'	Monitoring	5/16/1990	Destroyed	located
8	Peterson Tractor	955 Marina Boulevard	955 Marina Boulevard	2S3W35K8 (No. 315844B)	ENSCO ENV.	29.5'	19.5 - 29.5'	2"/PVC/29.5'	0'-17'	21.89'	Monitoring	10/17/1989	Destroyed	located
9	Diesel Recon Company	5765 Summer Tree Drive, Memphis, TN	2100 Orchard Ave	2S3W35G10 (No. 316538)	Gregg Drilling	29'	14-29'	2"/PVC/29'	12'	19.5'	Monitoring	7/11/1991	Destroyed	located
10	Diesel Recon Company	5765 Summer Tree Drive, Memphis, TN	2100 Orchard Ave	2S3W35G11 (No. 316538)	Gregg Drilling	29'	14-29'	2"/PVC/29'	12'	19'	Monitoring	7/11/1991	Destroyed	located

TABLE 5
Water Well Search Survey Data

Tesoro Station 67106
1088 Marina Boulevard,
San Leandro, California

Map Location	Owner	Owners Address	Location of Well	DWR Well ID	Driller	TD/CD (ft. bsg.)	Perf. Interval (ft. bsg.)	Casing Dia./Type/Depth	Seal/Depth (ft. bsg)	DTW (ft. bsg.)	Proposed Use	Date Installed	Status	Location Verified
11	Diesel Recon Company	5765 Summer Tree Drive, Memphis, TN	2100 Orchard Ave	2S3W35G9 (No. 316544)	Gregg Drilling	29'	14-29'	2"/PVC/29'	12'	18'	Monitoring	8/20/1991	Destroyed	located
12	San Leandro Unified School District	451 West Joaquin Ave, San Leandro, CA	1201 Marina Boulevard	2S3W35G9 (No. 316544)	DeLucchi Drilling	272'	40-64', 84-108', 248-272'	10"Steel/272'	0-40'	15'	Domestic	9/6/1978	Active	located
13	Coast Casting Rebuilders	2100 Orchard Ave	2100 Orchard Ave	2S3W35F1 (No. 33259)	AAA Drilling	80'	20-80'	6"/steel/80'	0-20'	21'	Domestic	6/23/1977	Active	located
14	GMC	1444 Marina Boulevard	1444 Marina Boulevard	2S3W35L17 (No.383510)	Science Drilling	24'	14'-24'	2" PVC/24'	0-13'	18	Monitoring	1/22/1991	Destroyed	located
15	GMC	1444 Marina Boulevard	1444 Marina Boulevard	2S3W35L18 (No.383511)	Science Drilling	24'	14'-24'	2" PVC/24'	0-13'	18	Monitoring	1/22/1991	Destroyed	located
16	GMC	1444 Marina Boulevard	1444 Marina Boulevard	2S3W35L19 (No.383512)	Science Drilling	24'	14'-24'	2" PVC/24'	0-13'	18	Monitoring	1/22/1991	Destroyed	located
17	GMC	1444 Marina Boulevard	1444 Marina Boulevard	2S3W35L20 (No.383513)	Science Drilling	24'	14'-24'	2" PVC/24'	0-13'	20.5'	Monitoring	1/16/1991	Destroyed	located
18	Safeway Stores	210 Fourth Street, Oakland CA	1111 Marina Boulevard	2S3W35L22 (No. 427176)	Baseline	19.5	13'-19'	2"/PVC/19'	0-11'	18.62'	Monitoring	2/27/1992	Destroyed	located
19	Safeway Stores	210 Fourth Street, Oakland CA	1111 Marina Boulevard	2S3W35L21M (No. 427175)	Baseline	19	13'-19'	2"/PVC/19'	0-11'	18.84'	Monitoring	2/27/1992	Destroyed	located
20	Peterson Tractor	955 Marina Boulevard	955 Marina Boulevard	2S3W35L9 (No. 315811)	ENSCO ENV.	29.5'	17.5 - 29.5'	2"/PVC/29.5'	0'-14'	21.37	Monitoring	7/19/1989	Destroyed	located

TABLE 5
Water Well Search Survey Data

Tesoro Station 67106
1088 Marina Boulevard,
San Leandro, California

Map Location	Owner	Owners Address	Location of Well	DWR Well ID	Driller	TD/CD (ft. bsg.)	Perf. Interval (ft. bsg.)	Casing Dia./Type/Depth	Seal/Depth (ft. bsg)	DTW (ft. bsg.)	Proposed Use	Date Installed	Status	Location Verified
21	Diesel Recon Company	5785 Summer Tree Drive, Memphis, TN	2100 Orchard Ave	2S3W35G12 (No, NR)	Gregg Drilling	29'	14-29'	2"/PVC/29'	12'	19'	Monitoring	9/1/1992	Destroyed	located
22	A. Cook	2006 Pacific Avenue	2006 Pacific Avenue	2S3W35K	NR	NR	NR	NR	NR	NR	Irrigation	7/30/1984	Unknown	located
23	NR	2007 Orchard Avenue	2007 Orchard Avenue	NR	NR	NR	NR	Dia. 6"	NR	NR	Irrigation	NR	Active	located
24	NR	840 Harlan Street	840 Harlan Street	NR	NR	NR	NR	Dia. 6"	NR	NR	Irrigation	NR	Active	located
25	NR	939 Harlan Street	939 Harlan Street	NR	NR	NR	NR	Dia. 6"	NR	NR	Irrigation	NR	Active	located
26	NR	2024 Pacific Ave	2024 Pacific Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
27	NR	2027 Pacific Ave	2027 Pacific Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
28	NR	2098 Pacific Ave	2098 Pacific Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
29	NR	1918 Eveleth Ave	1918 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
30	NR	1923 Eveleth Ave	1923 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located

TABLE 5
Water Well Search Survey Data

Tesoro Station 67106
1088 Marina Boulevard,
San Leandro, California

Map Location	Owner	Owners Address	Location of Well	DWR Well ID	Driller	TD/CD (ft. bsg.)	Perf. Interval (ft. bsg.)	Casing Dia./Type/Depth	Seal/Depth (ft. bsg)	DTW (ft. bsg.)	Proposed Use	Date Installed	Status	Location Verified
31	NR	1932 Eveleth Ave	1932 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
32	NR	2021 Eveleth Ave	2021 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
33	NR	2035 Eveleth Ave	2035 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
34	NR	2047 Eveleth Ave	2047 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Non-Active	located
35	NR	2120 Eveleth Ave	2120 Eveleth Ave	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Unknown	located
36	NR	2123 Eveleth Ave	2123 Eveleth Ave	NR	NR	NR	NR	Dia. 6"/ Depth 28'	NR	NR	Irrigation	NR	Non-Active	located
37	NR	1147 Castro Street	1147 Castro Street	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Non-Active	located
38	NR	1946 Wayne Avenue	1946 Wayne Avenue	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Non-Active	located
39	NR	1990 Wayne Avenue	1990 Wayne Avenue	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Non-Active	located
40	NR	1236 Linton Street	1236 Linton Street	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Non-Active	located

TABLE 5
Water Well Search Survey Data

Tesoro Station 67106
1088 Marina Boulevard,
San Leandro, California

Map Location	Owner	Owners Address	Location of Well	DWR Well ID	Driller	TD/CD (ft. bsg.)	Perf. Interval (ft. bsg.)	Casing Dia./Type/Depth	Seal/Depth (ft. bsg)	DTW (ft. bsg.)	Proposed Use	Date Installed	Status	Location Verified
41	NR	1927 Orchard Avenue	1927 Orchard Avenue	NR	NR	NR	NR	NR	NR	NR	Irrigation	NR	Active	located
42	NR	1936 Orchard Avenue	1936 Orchard Avenue	NR	NR	NR	NR	Dia. 6"/ Depth 42'	NR	NR	Irrigation	NR	Active	located
43	NR	2005 Orchard Avenue	2005 Orchard Avenue	NR	NR	NR	NR	Dia. 6"	NR	NR	Irrigation	NR	Active	located
44	NR	2063 Orchard Avenue	2063 Orchard Avenue	NR	NR	NR	NR	Dia. 6"/ Depth 26'	NR	NR	Irrigation	NR	Active	located

PVC = Polyvinyl Chloride
NR = Not Reported
Galv. = Galvanized
ss= stainless steel casing