SITE CONCEPTUAL MODEL UPDATE
FOURTH QUARTER 2007

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California
RDM Project No. 00-67106

Prepared For:

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EXECUTIVE SUMMARY

This Site Conceptual Model (SCM) Update has been prepared by RDM Environmental, Inc. (RDM) and Haley & Aldrich, Inc. (Haley & Aldrich), on behalf of Tesoro Petroleum Companies, Inc. (Tesoro), for the former Tesoro Station No. 67106 located at 1088 Marina Boulevard, San Leandro, California. This report is submitted in fulfillment of the requirements of the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCBSFB), the Alameda County Health Care Agency – Department of Health (ACEH) and the City of San Leandro – Environmental Service Division. This report contains only updates to the Site Conceptual Model Update Third Quarter 2007 report dated 26 October 2007 (RDM). Standard background information previously submitted to the agency in hard copy is not included in this update report. This information can be found in hard copy by referring to the SCM report dated 10 November 2005, or electronically accessed on the Tesoro San Leandro Sharepoint website (https://portal.haleyaldrich.com/sites/ext/San Leandro).

Laboratory analytical results obtained during this quarterly monitoring event continue to demonstrate plume stability, with no indication of off-site migration of contaminants and general stability of monitoring parameters. Analytical results and field parameter data also show that groundwater quality conditions continue to improve via natural attenuation mechanisms, further supporting the decision by all stakeholders (June 2007 meeting held at ACEH) to move the site towards closure with a "No Further Action" approach. A formal site closure plan in currently in preparation and will be submitted in the First Quarter 2008.

Please note: The following report has been prepared following a newly revised format. This format was created with the purpose of improving readability and ease of review and also to highlight significant quarterly data.

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1.0 SITE BACKGROUND

Site Description, Groundwater Use and site background details are available in hard copy in any of the previous report submittals or electronically on the Tesoro San Leandro Sharepoint website (https://portal.haleyaldrich.com/sites/ext/Tesoro/San Leandro). A site topographic map and site map are shown in Figures 1 and 2, respectively. No new Site Background information has been developed during this reporting period.

2.0 FIELD ACTIVITIES

On 24 October 2007, groundwater levels in Monitoring wells MW-1 through MW-9 were measured prior to well purging and sampling. No free product was observed in any of the groundwater monitoring wells Groundwater monitoring data for the past three years are presented in Table 1. Records of field activities are included in Appendix A.

Data used to prepare the groundwater elevation contour maps were obtained from fluid measurements obtained using a water level meter deployed during the 24 October 2007 sampling event. Groundwater elevation data are summarized in Table 1 and the groundwater elevation contour map is shown in Figure 3. The data indicate that the groundwater direction is predominately to the south.

3.0 REMEDIATION SYSTEM

Active SVE remediation and active ozone/air sparging were suspended on 12 May 2006 and have remained off to date based on the No Further Action approach to site closure agreed to by all stakeholders during a June 2007 meeting held at ACEH.

4.0 ANALYTICAL PROGRAM

Groundwater samples collected during this sampling event were analyzed by a State-certified laboratory for total petroleum hydrocarbons as gasoline (TPH-G), volatile organic compounds (VOCs) including the benzene, toluene, ethylbenzene, total xylenes (BTEX) compounds, methyl-tertiary butyl ether (MTBE) and other fuel oxygenates. Typical monitored natural attenuation (MNA) parameters were also collected during this quarter and are summarized in Table 2.

All samples were collected and analyzed using site specific methods. Details are available in hard copy in any of the previous report submittals or electronically on the Tesoro San Leandro Sharepoint website. Laboratory analytical reports can be found in Appendix B. Laboratory analytical results are summarized in Table 1.

5.0 GROUNDWATER RESULTS

All results are summarized in the attached Tables and Figures. The groundwater elevation and analytical results from this quarter are consistent with recent trends.

Groundwater elevation data this quarter falls within observed seasonal groundwater fluctuations, which range between 2 and 3 feet annually (Table 1, Figure 3). Groundwater flow beneath the site is to the south under a hydraulic gradient of less than 0.05 foot per foot, similar to previous quarters.

On 24 October 2007, groundwater samples were collected from wells MW-1 through MW-9 (Tables 1 and 2, with historical data in Appendix C). Iso-concentration maps for site compounds of concern are included in Figures 4 through 7.

In general, the groundwater monitoring analytical results show a continued decreasing trend in site contaminants even though active remediation (i.e., ozone sparging and soil vapor extraction) was suspended over 1 year ago. Contaminant concentrations remain below those observed prior to shutdown of the systems. These results suggest that natural processes at the site are operating on their own to remediate the constituents present, and that additional active remediation is unnecessary.

6.0 CONCLUSIONS

Monitoring of groundwater conditions following the shut-down of active remediation has shown a stable plume and continued improvement in groundwater quality, an indication that recent active remediation was having a negligible impact on site conditions. As a result of this, an agreement was reached in June of 2007 by all project stakeholders that natural processes are likely working to improve conditions and that further remedial action is not necessary.

7.0 RECOMMENDATIONS AND PROPOSED ACTIVITIES

Based on our review of the data, we recommend:

- Continuation of quarterly monitoring of water levels and compound concentrations in key wells, with reporting of findings in quarterly Site Conceptual Model update reports.

- Preparation and submittal of a site closure plan for agency approval during the First Quarter 2008.

8.0 STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

The conclusions presented herein are based solely upon the agreed upon scope of work outlined in this report. RDM makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. Additional information, which was not found or available to RDM at the time of writing this report, may result in modification of the conclusions presented. This report is not a legal opinion. The services performed by RDM have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

This report was supervised or prepared by the licensed professional whose signature and license number appear below.

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9.0 REFERENCES

Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater; Volume 1: Summary Tier 1 Lookup Tables. California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final – 2005.

Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater; Volume 2: Background Documentation for the Development of Tier I Environmental Screening Levels. California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final – 2005.

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	11/13/04	35.47	13.99	21.43	<0.7	<0.7	56	25	4,000	ND	ND	No sheen
(On-Site	02/04/05		13.36	22.11	0.57	<0.5	140	58	9,700	0.75	ND	No sheen
NE and	04/08/05		12.43	23.04	<1.5	<1.5	84	24	8,100	<1.5	ND	No sheen
Up Gradient	08/10/05		13.62	21.85	<1.5	<1.5	92	32	8,700	<1.5	ND	No sheen
of USTs)	11/05/05		13.95	21.52	<1.5	<1.5	92	38	9,200	<1.5	ND	No sheen
	01/13/06		12.43	23.04	<1.5	<1.5	34	17	6,500	<1.5	ND	No sheen
	05/12/06		12.40	23.33	<0.5	1	26	12	3,600	<0.5	330d, 390e	No sheen
	08/13/06		13.08	22.39	<0.5	0.6	40	12	5,200	<0.5	ND	No sheen
	10/20/06		13.58	21.89	<0.5	0.61	52	16	5,300	<0.5	ND	No sheen
	02/12/07		12.94	22.53	<0.5	<0.5	12	2.7	3,500	<0.5	ND	No sheen
	04/25/07		13.35	22.12	<0.5	<0.5	15	3.6	3,400	<0.5	ND	No sheen
	07/23/07		14.00	21.47	<0.5	0.61	24	7.5	5,400	<0.5	ND	No sheen
	10/24/07		14.15	21.32	<0.5	<0.5	13	4.1	3,500	<0.5	ND	No sheen
Change from Previous Quarter			**0.15**	**-0.15**	**0.0**	**-0.11**	**-11**	**-3.4**	**-1900**	**0.0**		
MW-2	11/13/04	35.11	13.79	21.35	25	27	780	1,300	14,000	9	ND	No sheen
(On-Site	02/04/05		13.08	22.03	24	20	720	1,000	14,000	8.6	ND	No sheen
East and	04/08/05		12.11	23.00	19	11	580	630	14,000	7.9	ND	No sheen
Up Gradient	08/10/05		13.27	21.84	21	11	610	520	13,000	7.6	ND	No sheen
of USTs)	11/05/05		11.92	23.19	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	01/13/06		12.26	22.85	17	8	220	230	6,800	3.5	ND	No sheen
	05/12/06		11.64	23.47	2.3	1.6	39	34	1,400	<0.5	200d, 190e	No sheen
	08/13/06		12.80	22.31	17	6.4	520	160	7,700	3.4	ND	No sheen
	10/20/06		13.31	21.80	22	7.6	620	140	8,800	3.1	ND	No sheen
	02/12/07		12.81	22.30	24	8.5	450	110	7,700	2.5	ND	No sheen
	04/25/07		13.10	22.01	22	8.7	620	100	9,400	<2.0	ND	No sheen
	07/23/07		13.69	21.42	13	7.5	640	98	9,100	0.58	ND	No sheen
	10/24/07		13.84	21.27	6.4	4.8	520	85	8,800	<1.5	ND	No sheen
Change from Previous Quarter			**0.15**	**-0.15**	**-6.6**	**-2.7**	**-120**	**-13**	**-300**	**<0.9**		
MW-3	11/13/04	34.84	13.70	21.22	4.7	0.79	<0.5	<0.5	1,300	30	82c	No sheen
(On-Site	02/04/05		12.94	21.90	0.8	<0.5	<0.5	<0.5	1,300	10	12c	No sheen
SE and	04/08/05		12.10	22.74	<0.5	<0.5	<0.5	<0.5	770	4.2	ND	No sheen
Cross Gradient	08/10/05		13.19	21.65	3.40	0.61	0.57	<0.5	1,600	6.3	11c	No sheen
of USTs)	11/05/05		13.46	21.38	7.1	1	2.7	0.75	2,200	3.6	13c	No sheen
	01/13/06		12.20	22.64	5.0	1.1	4.9	1.2	1,200	3.1	9.8a	No sheen
	05/12/06		11.79	23.05	2.4	1.2	1.8	1.1	960	2.1	5.1c, 220d, 300e	No sheen
	08/13/06		12.66	22.18	2.2	0.62	1.6	1	1,700	1.1	5.5c	No sheen
	10/20/06		13.19	21.65	1.9	<0.5	<0.5	<0.5	1,200	1.6	ND	No sheen
	02/12/07		12.74	22.10	<0.5	<0.5	<0.5	<0.5	990	1.2	5.5c, 8.8e	No sheen
	04/25/07		12.99	21.85	<0.5	<0.5	<0.5	<0.5	760	1.4	6.1c	No sheen
	07/23/07		13.55	21.29	1.4	<0.5	<0.5	<0.5	750	1.1	ND	No sheen
	10/24/07		13.72	21.12	1.5	0.7	0.7	<0.5	890	0.84	5.5c	No sheen
Change from Previous Quarter			**0.17**	**-0.17**	**0.1**	**0.2**	**0.2**	**0.0**	**140**	**-0.26**		

TABLE 1

GROUND WATER MONITORING DATA

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Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-4	11/13/04	35.33	14.34	21.17	50	240	360	2,200	9,400	22	ND	No sheen
(On-Site	02/04/05		13.56	21.77	14	160	170	1,100	4,800	8	ND	No sheen
West and	04/08/05		12.65	22.68	15	160	200	1,200	5,800	6.6	ND	No sheen
Down Gradient	08/10/05		13.73	21.60	7	110	100	570	3,000	5.2	9.9c	No sheen
of USTs)	11/05/05		14.35	20.98	6.0	91	95	630	3,000	5.3	9.1c	No sheen
	01/13/06		12.76	22.57	8.3	100	160	860	4,000	4.9	6.7c	No sheen
	05/12/06		12.56	22.75	<0.5	1	<0.5	<0.5	<50	<0.5	180d, 260b	No sheen
	08/13/06		13.30	22.30	3	20.00	41	240	1,200	2.0	ND	No sheen
	10/20/06		13.78	21.55	2.9	28	56	350	1,500	2.7	ND	No sheen
	02/12/07		13.21	22.10	<0.5	1	1.5	3	150	3.1	9.7e	No sheen
	04/25/07		13.58	21.75	0.8	4.60	10	26.0	340	4.8	6.0c	No sheen
	07/23/07		14.19	21.14	2.60	4.1	42	43	1,000	3.0	ND	No sheen
	10/24/07		14.23	21.10	4.7	32.0	78	230	2,100	2.1	ND	No sheen
Change from Previous Quarter			**0.04**	**-0.04**	**2.1**	**27.9**	**36**	**187**	**1100**	**-0.9**		
MW-5	11/13/04	35.09	14.35	21.17	19	0.55	37	17	1,600	38	59c	No sheen
(On-Site	02/04/05		13.48	21.61	40	1.40	120	80	4,500	32	43c	No sheen
West and	04/08/05		12.42	22.67	<0.5	<0.5	<0.5	<0.5	67	8	ND	No sheen
Down Gradient of	08/10/05		13.36	21.73	<0.5	<0.5	<0.5	<0.5	<50	1.5	ND	No sheen
MW-4 & USTs)	11/05/05		13.96	21.13	<0.5	<0.5	2.2	2	110	<0.5	ND	No sheen
	01/13/06		12.53	22.56	<0.5	<0.5	1.2	<0.5	1	<0.5	ND	No sheen
	05/12/06		12.26	22.83	<0.5	<0.5	<0.5	<0.5	<50	0.5	28e	No sheen
	08/13/06		13.05	22.04	<0.5	<0.5	0.58	<0.5	140.00	0.66	ND	No sheen
	10/20/06		13.52	21.57	1	<0.5	2.8	1.10	320	1.40	5.9c	No sheen
	02/12/07		13.04	22.05	<0.5	<0.5	<0.5	<0.5	210	2.80	6.4c	No sheen
	04/25/07		13.40	21.69	<0.5	<0.5	<0.5	<0.5	340	3.70	8.1c	No sheen
	07/23/07		13.95	21.14	0.72	<0.5	1.4	0.73	700	3.20	8.9c	No sheen
	10/24/07		14.09	21.00	1.60	<0.5	2.1	0.60	1,000	2.50	8.6c	No sheen
Change from Previous Quarter			**0.14**	**-0.14**	**0.88**	**0.0**	**0.7**	**-0.13**	**300**	**-0.7**		
MW-6	11/13/04	32.74	12.13	19.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
(Off-Site	02/04/05		11.14	21.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
Down Gradient)	04/08/05		10.94	21.80	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	08/10/05		11.42	21.32	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	11/05/05		11.90	20.84	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	01/13/06		10.70	22.04	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	05/12/06		10.63	22.11	<0.5	0.72	<0.5	<0.5	<50	<0.5	35e	No sheen
	08/13/06		11.08	21.66	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/20/06		11.58	21.16	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/12/07		11.22	21.52	<0.5	<0.5	<0.5	<0.5	<50	<0.5	9.3e	No sheen
	04/25/07		11.43	21.31	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/23/07		11.98	20.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/24/07		12.15	20.59	<0.5	<0.5	<0.5	<0.5	76*	<0.5	ND	No sheen
Change from Previous Quarter			**0.17**	**-0.17**	**0.0**	**0.0**	**0.0**	**0.0**	**26***	**0.0**		

TABLE 1

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Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	11/13/04	33.64	13.01	20.79	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
(Off-Site	02/04/05		12.57	21.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
Down Gradient)	04/08/05		11.82	21.82	<0.5	<0.5	<0.5	<0.5	<50	0.78	ND	No sheen
	08/10/05		12.44	21.20	<0.5	<0.5	<0.5	<0.5	<50	0.61	ND	No sheen
	11/05/05		12.91	20.73	<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	No sheen
	01/13/06		11.51	22.13	<0.5	<0.5	<0.5	<0.5	<50	0.61	ND	No sheen
	05/12/06		11.37	22.27	<0.5	0.59	<0.5	<0.5	<50	0.57	15e	No sheen
	08/13/06		11.88	21.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/20/06		12.32	21.32	<0.5	<0.5	<0.5	<0.5	<50	0.54	ND	No sheen
	02/12/07		12.21	21.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/25/07		12.33	21.31	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/23/07		13.00	20.64	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/24/07		13.11	20.53	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
Change from Previous Quarter			**0.11**	**-0.11**	**0.0**	**0.0**	**0.0**	**0.0**	**0**	**0.0**		
MW-8	11/13/04	36.08	14.91	21.32	30	0.64	84	92	4,100	61	76c	No sheen
(On-Site	02/04/05		14.09	21.99	27	<0.5	65	92	2,700	56	38c	No sheen
NW and	04/08/05		13.11	22.97	1	<0.5	<0.5	<0.5	81	7	ND	No sheen
Cross Gradient	08/10/05		14.20	21.88	14.0	<0.5	26	22	2,000	27.0	22c	No sheen
of USTs at	11/05/05		14.79	21.29	10	<0.5	54	67	2,300	15	21c	No sheen
property line)	01/13/06		13.24	22.84	<0.5	<0.5	<0.5	0.51	52	1	ND	No sheen
	05/12/06		12.97	23.11	<0.5	<0.5	<0.5	<0.5	<50	<0.5	90d, 91e	No sheen
	08/13/06		13.83	22.25	0.5	<0.5	1	0.51	77	6.10	ND	No sheen
	10/20/06		14.33	21.75	1.10	<0.5	1.80	0.94	100	5.8	6.5c	No sheen
	02/12/07		13.73	22.35	<0.5	<0.5	<0.5	4.5	69	4.2	14e	No sheen
	04/25/07		14.19	21.89	<0.5	<0.5	<0.5	<0.5	<50	3.5	ND	No sheen
	07/23/07		14.80	21.28	<0.5	<0.5	<0.5	<0.5	<50	2.6	ND	No sheen
	10/24/07		14.95	21.13	<0.5	<0.5	<0.5	<0.5	60	3.7	7.6c	No sheen
Change from Previous Quarter			**0.15**	**-0.15**	**0.0**	**0.0**	**0.0**	**0.0**	**10**	**1.1**		
MW-9	11/13/04	34.63	13.68	21.11	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
(On-Site	02/04/05		13.04	21.59	<0.5	<0.5	<0.5	<0.5	90	<0.5	ND	No sheen
SW and	04/08/05		12.17	22.46	<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen
Down Gradient	08/10/05		13.04	21.59	<0.5	<0.5	0.76	<0.5	260	<0.5	ND	No sheen
of USTs at	11/05/05		13.55	21.08	<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen
property line)	01/13/06		12.30	22.33	<0.5	<0.5	0.78	<0.5	280	<0.5	ND	No sheen
	05/12/06		5.45	NC	NS	NS	NS	NS	NS	NS	NS	Well Blocked
	08/13/06		12.66	21.97	<0.5	<0.5	1.7	<0.5	1,000	<0.5	ND	No sheen
	10/20/06		13.14	21.49	<0.5	<0.5	0.58	<0.5	490	<0.5	ND	No sheen
	02/12/07		12.73	21.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/25/07		12.95	21.68	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No sheen
	07/23/07		13.54	21.09	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No sheen
	10/24/07		13.71	20.92	<0.5	<0.5	<0.5	<0.5	89*	<0.5	ND	No sheen
Change from Previous Quarter			**0.17**	**-0.17**	**0.0**	**0.0**	**0.0**	**0.0**	**39***	**-0.9**		

a =Referenced to mean sea level. Survey date 2/11/02.
b =tert-amyl methyl ether
c = tert-butanol
d = methanol
e = ethanol

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

* = The laboratory analytical report indicates that the total petroleum hydrocarbons identified in this sample are 'primarily compounds not found in typical gasoline'.

Oxygenates = methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, 1,2-dichloroethane, 1,2-dibromoethane

TABLE 2

MNA MONITORING

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-1 (On-Site NE and Up Gradient of USTs)	05/12/06	7.01	2.97	-23	277	18.3	41	0.6	120	11	1.36
	08/13/06	6.97	1.11	-84	227	66.6	26	1.2	94	2.7	14.7
		6.88	1.07	-81	232	67.6		1.4			
		6.84	1.00	-89	228	66.3		1.4			
	10/20/06	6.87	0.17	131	233	71.9	19	0.6	94	2.5	0.83
		6.87	0.26	146	237	71.9		0.6			
		6.86	0.18	152	238	71.7		0.6			
	02/12/07	7.17	2.16	-48	243	65.2	18	0.8	102	2.1	0.258
		7.21	2.22	-50	247	65.4		0.8			
		7.19	2.24	-52	255	65.5		0.6			
	04/25/07	7.05	0.50	-122	185	63.5	28	0.6	74	2.3	0.977
		7.00	0.48	-126	186	64.0		0.6			
		6.98	0.53	-132	186	64.1		0.6			
	07/23/07	7.66	1.21	-90	170	69.8	15	1.2	74	4.3	2.7
		7.56	1.27	-92	168	67.4		1.2			
		7.50	1.28	-96	168	66.5		1.2			
	10/24/07	7.03	0.78	-87	161	71.1	18	0.9	80	1.8	2.19
		7.08	0.78	-85	161	70.6		1.0			
		7.08	0.75	-84	162	70.2		1.0			
Change from Previous Quarter		**-0.42**	**-0.53**	**12**	**-6**	**3.7**	**3**	**-0.2**	**6**	**-2.5**	**-0.51**
MW-2 (On-Site East and Up Gradient of USTs)	05/12/06	7.38	7.51	82	332	18.1	59	0.0	68	3.9	0.703
	08/13/06	6.70	0.65	-113	239	72.8	26	2.0	120	3.2	25.5
		6.71	0.67	-119	240	73.0		1.8			
		6.71	0.72	-120	239	73.2		1.8			
	10/20/06	6.93	0.06	132	272	72.1	24	1.2	120	3.3	21.4
		6.85	0.04	140	267	72.3		1.2			
		6.82	0.04	138	267	72.5		1.2			
	02/12/07	6.98	0.48	-186	279	65.8	18	1.3	122	3.7	1.11
		6.93	0.51	-189	271	65.7		1.3			
		6.99	0.47	-195	268	65.8		1.3			
	04/25/07	7.00	0.67	-132	213	64.7	24	2.0	96	3.2	1.49
		6.96	0.72	-128	215	64.7		2.0			
		6.97	0.73	-126	216	64.8		2.0			
	07/23/07	7.37	0.96	-160	194	68.9	17	1.8	84	9.0	1.2
		7.28	0.94	-163	196	68.0		1.8			
		7.25	1.01	-160	195	67.8		1.8			
	10/24/07	6.99	1.2	-145	158	70.6	18	1.6	82	2.5	0.988
		7.02	1.3	-143	159	70.0		1.7			
		7.02	1.5	-141	160	69.8		1.6			
Change from Previous Quarter		**-0.23**	**0.49**	**19**	**-35**	**2.0**	**1**	**-0.2**	**-2**	**-6.5**	**-0.21**

TABLE 2

MNA MONITORING

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-3 (On-Site SE and Cross Gradient of USTs)	05/12/06	6.84	2.21	-48	283	19.1	42	1.0	76	3.8	1.23
	08/13/06	6.82	0.51	-199	276	69.4	20	1.6	94	2.4	3.47
		6.79	0.52	-185	274	71.9		1.4			
		6.72	0.47	-183	262	72.5		1.4			
	10/20/06	6.87	0.58	-32	297	75.1	21	0.6	118	2.5	2.65
		6.80	0.62	-38	298	75.9		0.6			
		6.78	0.63	-33	301	76.2		0.6			
	02/12/07	6.94	0.70	-172	302	66.3	22	0.6	144	2.4	0.959
		6.90	0.71	-181	301	66.5		0.6			
		6.77	0.68	-183	297	66.3		0.6			
	04/25/07	7.11	0.91	-124	307	65.5	32	1.4	144	2.3	0.977
		7.02	0.87	-126	303	65.6		1.4			
		6.98	0.93	-132	304	65.4		1.4			
	07/23/07	7.71	1.07	-154	301	68.3	25	1.6	130	6.3	1.1
		7.45	1.02	-162	296	67.9		1.6			
		7.36	0.99	-167	295	67.3		1.6			
	10/24/07	7.01	1.02	-132	261	69.1	31	1.5	134	1.6	1.04
		7.03	1.03	-131	256	69.1		1.4			
		7.01	1.01	-130	260	69.3		1.5			
Change from Previous Quarter		**-0.35**	**0.02**	**37**	**-35**	**2.0**	**6**	**-0.1**	**4**	**-4.7**	**-0.06**
MW-4 (On-Site West and Down Gradient of USTs)	05/12/06	7.59	9.65	40	534	19.8	3.9	0.0	190	2.4	95
	08/13/06	7.08	2.41	-14	509	68.5	20	NM	180	3.7	308
		7.04	2.86	-17	475	68.2		NM			
		7.17	2.88	-14	499	68.0		NM			
	10/20/06	6.99	0.56	92	630	74.0	29	0.0	198	3.5	105
		7.00	0.44	94	622	73.9		0.0			
		7.03	0.54	91	642	75.1		0.0			
	02/12/07	7.02	1.04	-28	665	66.5	31	0.3	334	3.8	0.689
		7.02	1.07	-29	658	66.6		0.3			
		7.14	1.03	-28	643	66.5		0.3			
	04/25/07	7.13	0.86	59	706	64.9	57	1.0	362	4.2	2.70
		7.05	0.88	61	719	65.0		1.0			
		7.02	0.87	63	713	65.0		1.0			
	07/23/07	7.35	0.87	42	707	71.8	82	0.9	350	12.0	1.4
		7.36	0.88	50	714	70.9		0.8			
		7.38	0.81	50	719	69.7		0.9			
	10/24/07	7.06	1.0	47	620	70.7	71	1.0	360	2.7	2.08
		7.04	1.0	46	618	70.4		1.0			
		7.05	0.9	45	614	71.0		1.0			
Change from Previous Quarter		**-0.33**	**0.09**	**-5**	**-105**	**1.3**	**-11**	**0.1**	**10**	**-9.3**	**0.68**

TABLE 2

MNA MONITORING

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-5	05/12/06	7.28	22.41	173	538	20.0	12	0.0	250	1.90	0.36
(On-Site											
West and	08/13/06	6.90	2.28	79	689	71.8	23	0.0	350	2.5	2.49
Down Gradient of		6.86	2.16	75	668	72.7		0.0			
MW-4 & USTs)		6.87	1.92	7.2	659	72.0		0.0			
	10/20/06	6.98	1.28	88	776	70.2	53	0.0	344	2.6	8.73
		6.92	0.34	96	761	69.8		0.0			
		6.93	0.30	92	758	71.8		0.0			
		6.62	0.29	89	756	72.6		0.0			
	02/12/07	6.95	1.36	79	712	65.4	51	0.0	438	3.2	0.158
		6.94	1.36	80	727	65.5		0.0			
		6.97	1.42	82	768	65.3		0.0			
	04/25/07	7.05	0.47	38	905	64.6	86	1.6	500	3.6	0.317
		7.04	0.46	39	903	64.8		1.6			
		7.05	0.42	38	903	64.9		1.6			
	07/23/07	7.18	1.34	85	961	66.4	100	1.6	560	16.0	0.60
		7.18	1.29	87	965	66.3		1.6			
		7.18	1.24	91	954	66.1		1.6			
	10/24/07	6.96	1.32	59	898	68.0	120	1.2	542	1.8	0.846
		6.96	1.29	58	892	67.6		1.3			
		6.98	1.29	57	886	67.5		1.2			
Change from Previous Quarter		**-0.20**	**0.05**	**-34**	**-68**	**1.4**	**20**	**-0.4**	**-18**	**-14.2**	**0.25**
MW-6	05/12/06	7.02	4.30	53	1079	17.9	160	0.2	510	3.9	<0.1
(Off-Site											
Down Gradient)	08/13/06	6.87	2.58	47	1067	67.7	81	0.0	480	4.9	<0.1
		6.91	2.36	44	1045	67.1		0.0			
		6.86	2.42	42	1052	66.9		0.0			
	10/20/06	7.07	3.58	-73	1120	68.5	100	0.2	500	5.0	1.04
		7.04	3.12	-86	1150	68.9		0.0			
		6.97	3.46	-62	1115	69.1		0.2			
	02/12/07	6.81	3.29	48	1005	63.4	78	0.0	496	4.9	<0.10
		6.87	3.84	48	1025	63.1		0.0			
		6.97	3.74	80	1027	63.2		0.0			
	04/25/07	7.01	3.56	94	1018	63.4	93	0.4	478	4.5	<0.10
		7.04	3.51	92	995	63.6		0.4			
		7.03	3.46	97	1005	63.5		0.4			
	07/23/07	7.09	4.55	126	969	67.7	78	0.0	470	12	<0.10
		7.11	4.71	137	971	67.6		0.0			
		7.12	4.69	132	976	67.6		0.0			
	10/24/07	6.94	3.98	118	835	70.4	88	0.2	454	1.7	<0.10
		6.94	4.01	119	833	70.4		0.2			
		6.96	4.03	117	832	70.3		0.1			
Change from Previous Quarter		**-0.16**	**-0.66**	**-15**	**-144**	**2.7**	**10**	**0.1**	**-16**	**-10.3**	**0.00**

TABLE 2

MNA MONITORING

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-7 (Off-Site Down Gradient)	05/12/06	7.04	2.02	12	425	20.1	65	0.0	170	2.1	<0.1
	08/13/06	6.73	0.86	44	455	70.0	42	0.0	180	2.0	0.732
		6.68	0.91	43	455	70.4		0.0			
		6.66	0.96	46	458	7.09		0.0			
	10/20/06	7.07	2.92	130	467	69.4	50	0.0	188	1.9	0.44
		6.87	3.13	142	492	70.3		0.0			
		6.84	3.07	126	493	71.8		0.0			
	02/12/07	7.01	1.06	56	454	63.1	36	0.0	178	2.3	0.143
		6.94	1.11	58	457	63.0		0.0			
		6.87	1.15	58	476	62.9		0.0			
	04/25/07	7.13	1.07	97	460	62.9	42	0.0	178	2.0	<0.10
		7.02	1.09	99	454	63.6		0.0			
		6.98	1.11	92	452	63.6		0.0			
	07/23/07	7.23	1.42	46	444	65.8	40	0.0	170	2.8	<0.10
		7.18	1.49	42	455	65.6		0.0			
		7.20	1.51	43	458	65.6		0.0			
	10/24/07	6.84	1.35	51	463	70.4	55	0.0	202	1.2	0.148
		6.86	1.40	49	464	70.2		0.2			
		6.84	1.38	52	467	70.1		0.0			
Change from Previous Quarter		**-0.36**	**-0.13**	**9**	**9**	**4.5**	**15**	**0.0**	**32**	**-1.6**	**0.05**
MW-8 (On-Site NW and Cross Gradient of USTs at property line)	05/12/06	6.99	5.60	-13	846	18.9	87	0.0	290	2.90	<0.1
	08/13/06	6.86	0.89	-30	716	70.1	97	0.6	370	3.6	2.67
		6.86	0.84	-32	742	69.9		0.6			
		6.86	0.80	-35	787	70.9		0.6			
	10/20/06	6.91	0.07	49	714	68.6	110	0.5	368	3.1	3.56
		6.88	0.06	48	710	68.5		0.5			
		6.87	0.04	45	718	68.5		0.5			
	02/12/07	6.82	1.16	73	589	62.9	81	0.0	306	2.8	0.256
		6.80	1.08	73	590	63.1		0.0			
		6.84	1.12	73	602	63.8		0.0			
	04/25/07	7.02	0.81	85	591	62.6	86	2.4	286	2.0	0.59
		6.95	0.79	87	586	63.3		2.4			
		6.96	0.82	88	588	63.3		2.4			
	07/23/07	7.21	1.31	21	525	64.7	82	1.5	260	4.2	0.29
		7.16	1.35	26	526	64.6		1.5			
		7.13	1.34	22	530	64.6		1.5			
	10/24/07	6.77	1.40	29	633	67.4	85	1.1	292	1.2	0.661
		6.80	1.38	28	640	67.0		1.2			
		6.80	1.47	27	646	66.7		1.2			
Change from Previous Quarter		**-0.33**	**0.13**	**5**	**116**	**2.1**	**3**	**-0.3**	**32**	**-3**	**0.37**

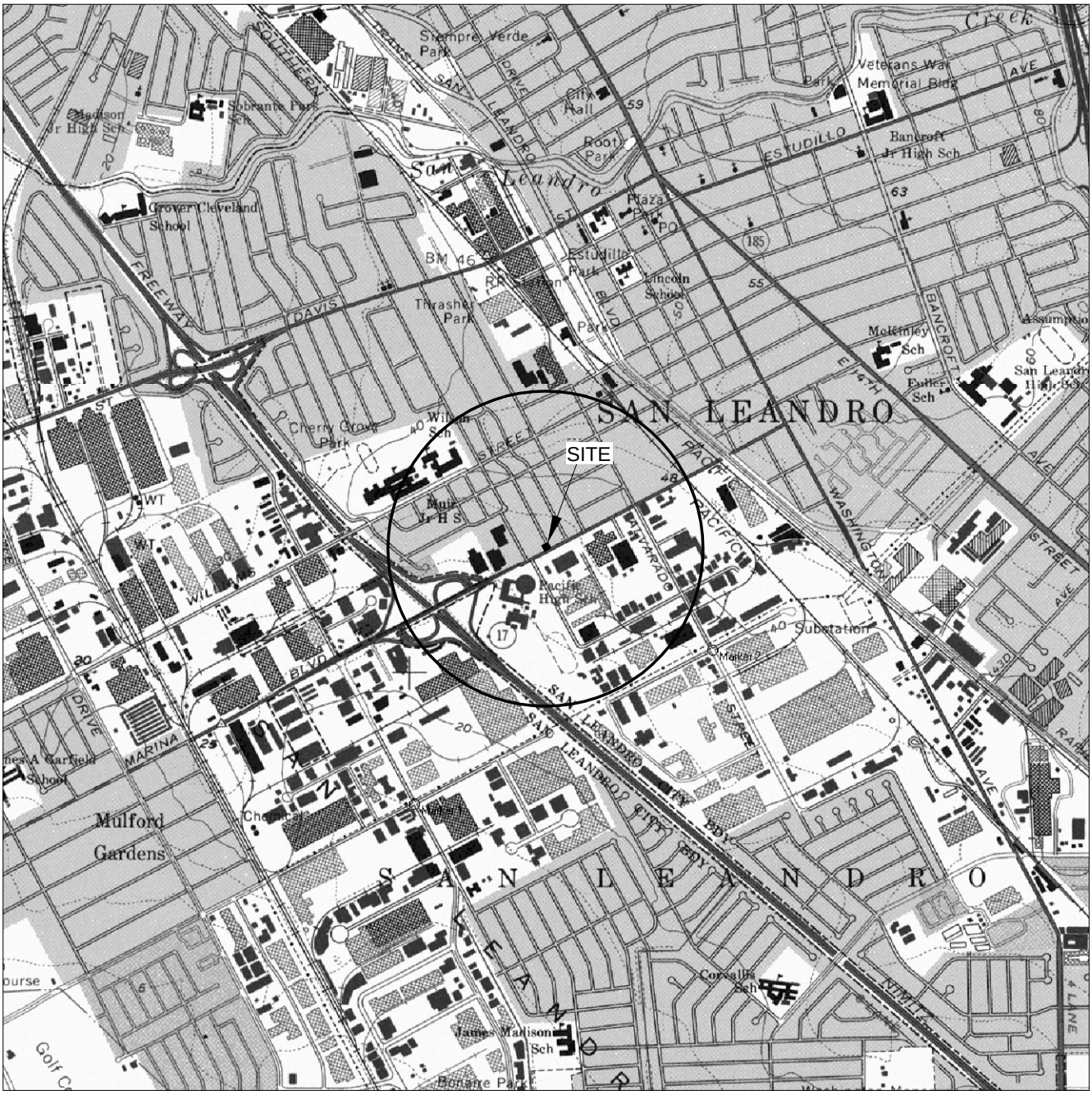
TABLE 2

MNA MONITORING

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

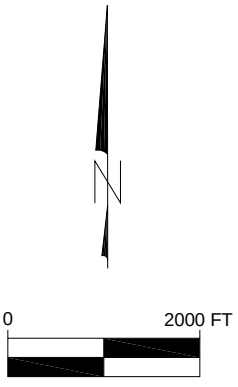
Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-9	05/12/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
(On-Site											
SW and	08/13/06	7.02	1.50	1.50	413	68.9	21	0.0	180	2.6	4.69
Down Gradient		7.01	1.99	1.99	410	68.9		0.0			
of USTs at		6.99	2.16	2.16	412	68.9		0.0			
property line)		6.98	2.18	2.18	416	68.8		0.0			
	10/20/06	7.06	0.11	97	429	73.1	23	0.0	178	3.2	14.4
		7.01	0.12	96	423	71.9		0.0			
		6.99	0.13	99	422	71.4		0.0			
	02/12/07	7.08	0.88	34	271	67.1	16	0.2	116	3.0	0.232
		7.04	0.83	34	267	67.1		0.2			
		7.04	0.79	33	272	67.2		0.2			
	04/25/07	7.03	1.12	-57	394	64.9	29	1.0	198	3.5	1.85
		7.00	1.23	-62	400	65.0		1.0			
		7.00	1.24	-56	403	65.0		1.0			
	07/23/07	7.19	1.21	-67	503	67.6	29	1.6	260	4.7	1.6
		7.11	1.19	-69	504	67.6		1.6			
		7.10	1.23	-70	505	67.7		1.6			
	10/24/07	7.03	1.19	-28	350	72.3	34	0.1	184	7.7	1.94
		7.03	1.18	-31	349	72.3		0.0			
		7.03	1.18	-29	350	72.3		0.1			
Change from Previous Quarter		**-0.07**	**-0.05**	**41**	**-155**	**4.6**	**5**	**-1.5**	**-76**	**3**	**0.34**

D.O. = Dissolved Oxygen
ORP = Oxygen Reduction Potential
CO_2 = Carbon Dioxide



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

QUADRANGLE LOCATION



SCALE 1:24,000

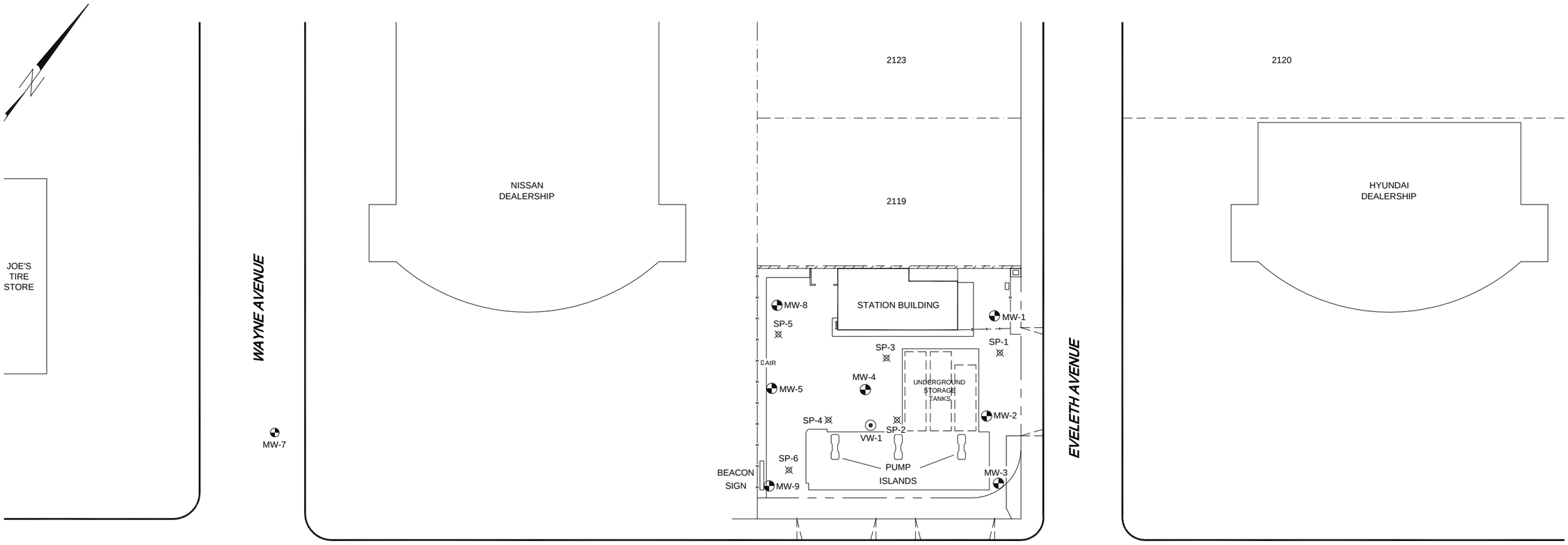
FIGURE 1

SITE 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. 12/18/01
FILE NO. 00-3720-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

—— — · ——	PROPERTY LINE
——x——x——	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95
   SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

0 40 FT

APPROX. SCALE

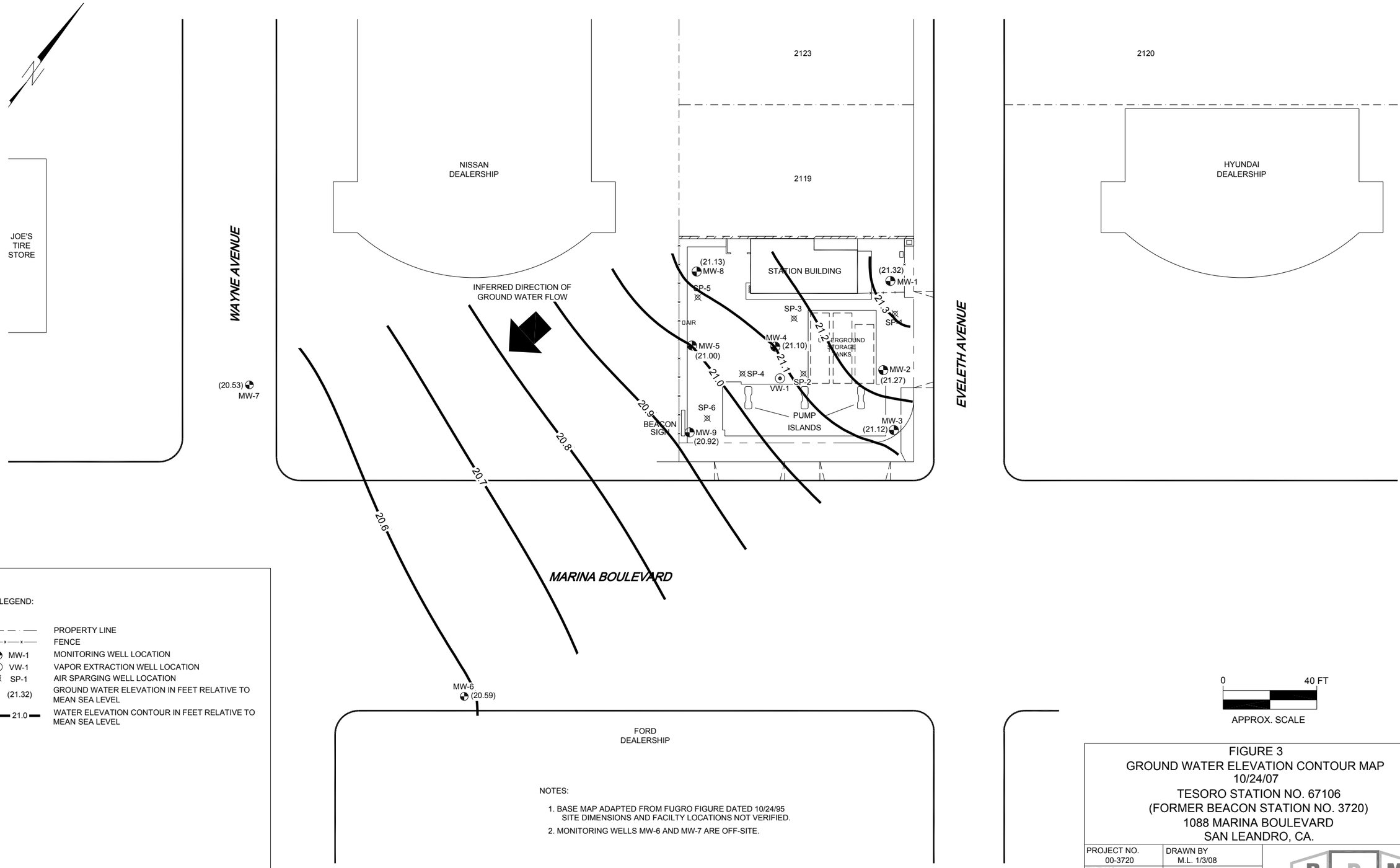
FIGURE 2

SITE MAP

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 5/19/04
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

—— — · ——	PROPERTY LINE
——x——x——	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION
(21.32)	GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
21.0	WATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95
   SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

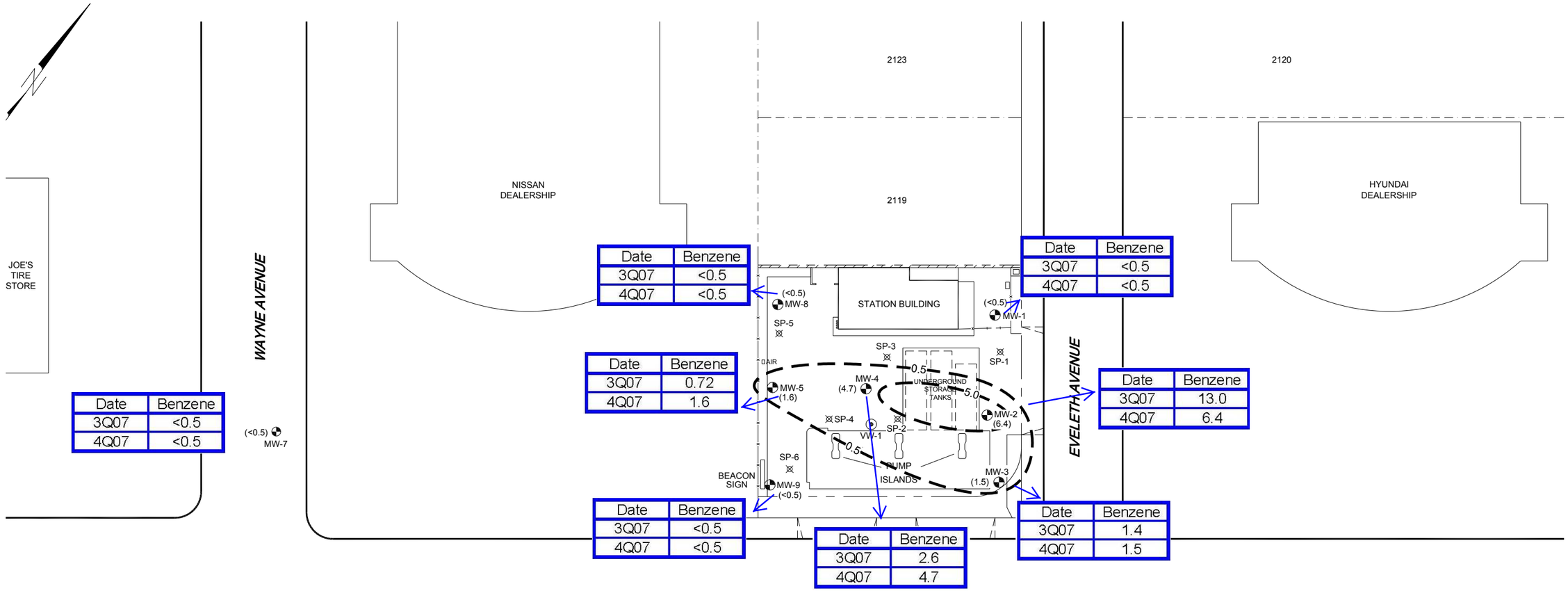
0 40 FT

APPROX. SCALE

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
10/24/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/08
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

- PROPERTY LINE
- FENCE
- MW-1 MONITORING WELL LOCATION
- VW-1 VAPOR EXTRACTION WELL LOCATION
- SP-1 AIR SPARGING WELL LOCATION
- (6.4) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 BENZENE ISOCONCENTRATION CONTOUR

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

0 40 FT

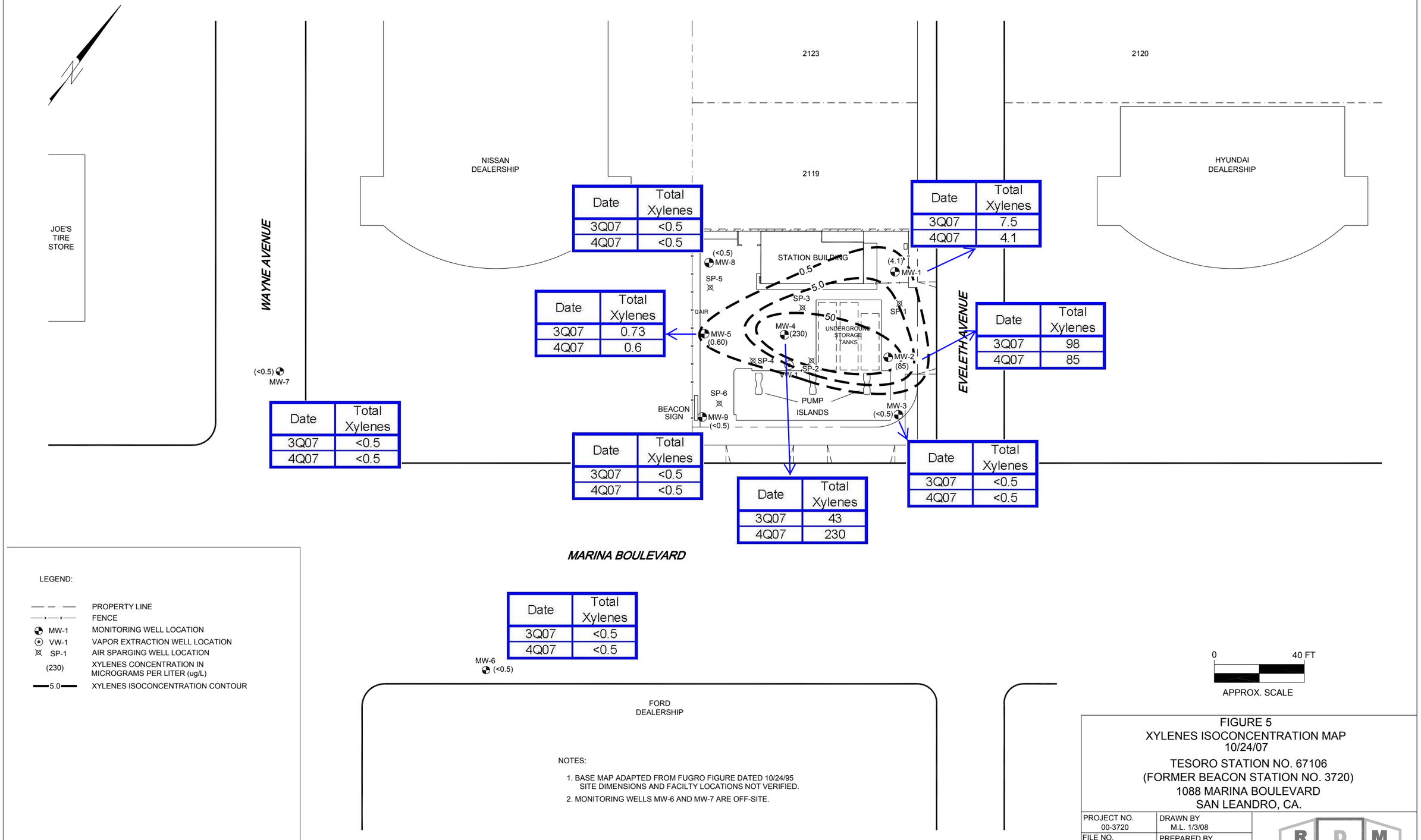
APPROX. SCALE

FIGURE 4
BENZENE ISO-CONCENTRATION MAP
10/24/07

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/08
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



Date	Total Xylenes
3Q07	<0.5
4Q07	<0.5

Date	Total Xylenes
3Q07	7.5
4Q07	4.1

Date	Total Xylenes
3Q07	0.73
4Q07	0.6

Date	Total Xylenes
3Q07	98
4Q07	85

Date	Total Xylenes
3Q07	<0.5
4Q07	<0.5

Date	Total Xylenes
3Q07	<0.5
4Q07	<0.5

Date	Total Xylenes
3Q07	43
4Q07	230

Date	Total Xylenes
3Q07	<0.5
4Q07	<0.5

Date	Total Xylenes
3Q07	<0.5
4Q07	<0.5

LEGEND:

- PROPERTY LINE
- FENCE
- MW-1 — MONITORING WELL LOCATION
- VW-1 — VAPOR EXTRACTION WELL LOCATION
- SP-1 — AIR SPARGING WELL LOCATION
- (230) — XYLENES CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 — XYLENES ISOCONCENTRATION CONTOUR

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

0 40 FT

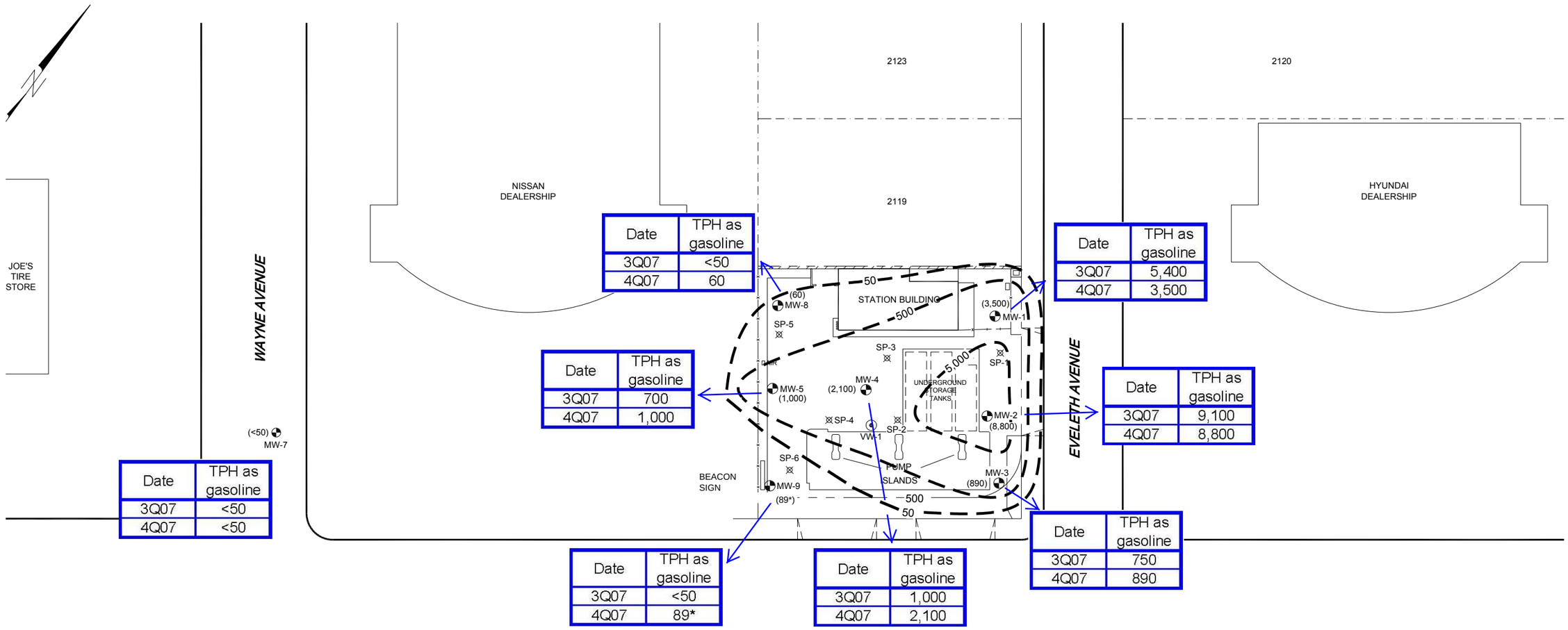
APPROX. SCALE

FIGURE 5
XYLENES ISOCONCENTRATION MAP
10/24/07

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/08
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



Date	TPH as gasoline
3Q07	<50
4Q07	<50

Date	TPH as gasoline
3Q07	<50
4Q07	60

Date	TPH as gasoline
3Q07	5,400
4Q07	3,500

Date	TPH as gasoline
3Q07	700
4Q07	1,000

Date	TPH as gasoline
3Q07	9,100
4Q07	8,800

Date	TPH as gasoline
3Q07	750
4Q07	890

Date	TPH as gasoline
3Q07	<50
4Q07	89*

Date	TPH as gasoline
3Q07	1,000
4Q07	2,100

Date	TPH as gasoline
3Q07	<50
4Q07	76*

LEGEND:

- PROPERTY LINE
- FENCE
- MW-1 — MONITORING WELL LOCATION
- VW-1 — VAPOR EXTRACTION WELL LOCATION
- SP-1 — AIR SPARGING WELL LOCATION
- (8,800) — TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 500 — TPHg ISOCONCENTRATION CONTOUR

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.
3. * - THE LABORATORY ANALYTICAL REPORT INDICATES THAT THE TOTAL PETROLEUM HYDROCARBONS IDENTIFIED IN THIS SAMPLE ARE 'PRIMARILY COMPOUNDS NOT FOUND IN TYPICAL GASOLINE'.

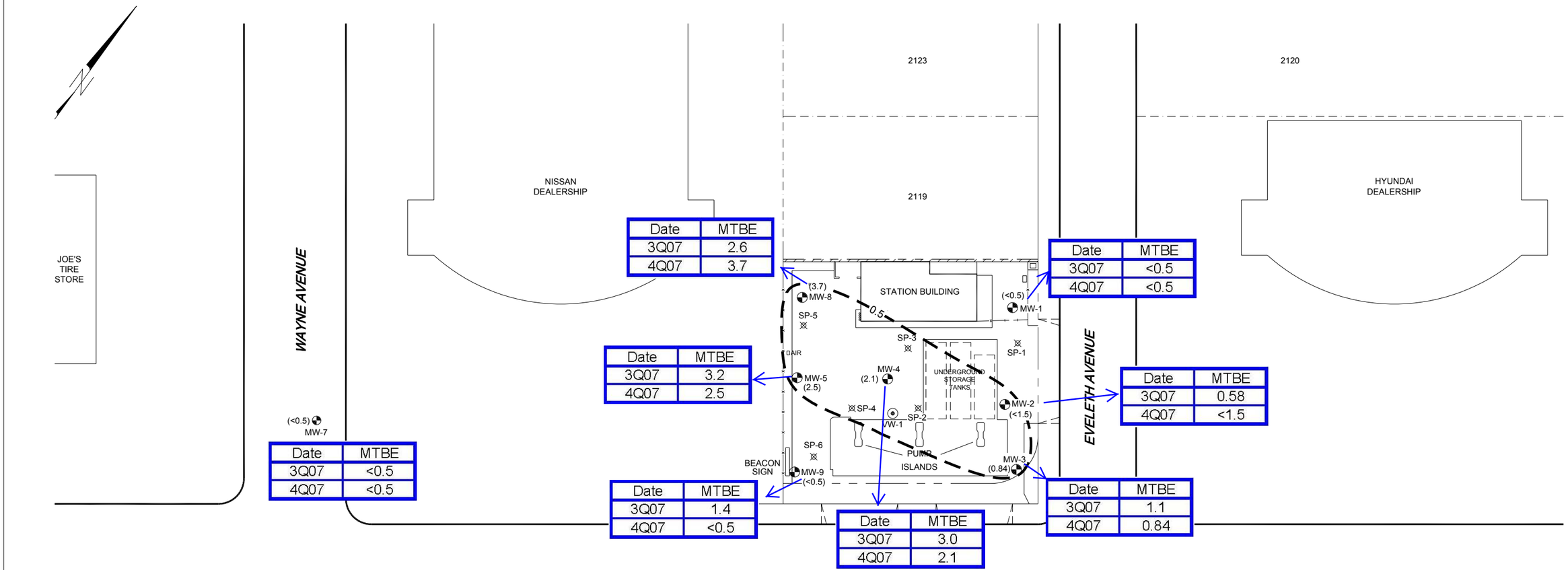
0 40 FT

APPROX. SCALE

FIGURE 6
TPHg ISOCONCENTRATION MAP
10/24/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/08
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

- PROPERTY LINE
- FENCE
- MW-1 MONITORING WELL LOCATION
- VW-1 VAPOR EXTRACTION WELL LOCATION
- SP-1 AIR SPARGING WELL LOCATION
- (3.7) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 MTBE ISOCONCENTRATION CONTOUR

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

0 40 FT

APPROX. SCALE

FIGURE 7
MTBE ISOCONCENTRATION MAP
10/24/07

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/08
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Samples

RDM ENVIRONMENTAL

GROUND WATER LEVEL DATA

Project Address: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA

Date: 10/24/2007

Technicians : MJ/DH

Project Number: 02-67106

Well Number	DTW Order	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-1	8	8	1449	14.15	27.24			
MW-2	9	9	1521	13.84'	22.31			
MW-3	6	6	1355	13.72'	28.4			
MW-4	7	7	1422	14.23'	27.45			
MW-5	5	5	1321	14.09	28.8			
MW-6	2	2	1144	12.15'	14.86			
MW-7	1	1	1100	13.11'	25.45			
MW-8	4	4	1250	14.95'	28.05			
MW-9	3	3	1215	13.71'	24.6			

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA
Signature:

Sample Data: 10/24/2007
Project Number: 02-67106
Well Designation: MW-1

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1449 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	10"		
Well Box 8" (12") 24"		Type of well box	CNI

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo-Flow

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	
Time:	1449	Time:		Actual Purge	1.8
Depth of Well	27.24'	Depth to Water			
Depth to Water	14.15'				

Sample

Start Purge: 1456 Sample Time: 1506

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1459	71.1	7.03	161	0.78	-87	0.9		1
1502	70.6	7.08	161	0.76	-85	1.0		2
1504	70.2	7.08	162	0.75	-84	1.0		3

Sample Appearance: CLEAR Lock: 0

Equipment Replacement

Lock: 0 Well Cap: OK Bolts: 2 Box: OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA
Signature:

Sample Data: 10/24/2007
Project Number: 02-67106
Well Designation: MW-2

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1521 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	3"		
Well Box 8" (12") 24"		Type of well box	Pomco

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo-Flo

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	
Time:	1521	Time:		Actual Purge	1.5
Depth of Well	22.31'	Depth to Water			
Depth to Water	13.84'				

Sample

Start Purge: 1527 Sample Time: 1535

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1529	70.6	6.99	158	1.2	-145	1.6		1
1531	70.0	7.02	159	1.3	-143	1.7		2
1534	69.8	7.02	160	1.5	-141	1.6		3

Sample Appearance: Clear Lock: ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	1	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA
Signature:

Sample Data: 10/24/2007
Project Number: 02-67106
Well Designation: MW-3

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1355 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	3"		
Well Box 8" 12" 24"		Type of well box	CNI

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Le-Flow

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	
Time:	1355	Time:		Actual Purge	1.6
Depth of Well	28.40'	Depth to Water			
Depth to Water	13.72'				

Sample

Start Purge: 1400 Sample Time: 1408

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1402	69.1	7.01	261	1.02	-132	1.5		1
1404	69.1	7.03	256	1.03	-131	1.4		2
1407	69.3	7.01	260	1.01	-130	1.5		3

Sample Appearance: CLEAR Lock: OK

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	2	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/24/2007
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-4
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1422 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	3'		
Well Box	8" 12" (24")	Type of well box	unk

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo-Flox

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	
Time:	1422	Time:		Actual Purge	1.5
Depth of Well	27.45	Depth to Water			
Depth to Water	14.23'				

Sample

Start Purge 1429 Sample Time 1440

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1432	70.7	7.06	620	1.0	47	1.0		1
1435	70.4	7.04	618	1.0	46	1.0		2
1437	71.0	7.05	614	0.9	45	1.0		3

Sample Appearance: CLEAR Lock: 0

Equipment Replacement

Lock	0	Well Cap	ok	Bolts	0	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA
Signature:

Sample Data: 10/24/2007
Project Number: 02-67106
Well Designation: MW-5

Well Box Condition/Traffic

Traffic Control (Yes) No
Standing water Yes (No)
Top of well level (Yes) No
Well cap & locked Yes (No)
Height of Riser 2"
Well Box 8" 12" (24")

Time: 1321 hours
above or below casing
Remark:
Remark:
Type of well box UNK.

Purging/Sampling Equipment

Purging -

2" Disposable Bailer
2" PVC Bailer
4" PVC Bailers
Submersible Pump
Dedicated Bailer
Centrifugal Pump X Lo-Flow

Sampling -

Disposable Bailer
Teflon Bailer
Disposable Tubing X

Well Purging

Well Diameter:	2"	4"	6"	8"
	X			
Purge Vol. Multiplier	0.16	0.65	1.47	2.61

Initial Measurement		Recharge Measurement		Calculated Purge	
Time:	1321	Time:		Actual Purge	1.5
Depth of Well	28.80	Depth to Water			
Depth to Water	14.09				

Sample

Start Purge 1331
Sample Time 1340

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1334	68.0	6.96	898	1.32	59	1.2		1
1336	67.6	6.96	892	1.29	58	1.3		2
1339	67.5	6.98	886	1.29	57	1.2		3

Sample Appearance CLEAR
Lock Ø

Equipment Replacement

Lock Ø Well Cap OK Bolts Ø Box OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/24/2007
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-6
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes)	No	Time:	1145	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	POMECO	

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump		
2" PVC Bailer		Dedicated Bailer		
4" PVC Bailers		Centrifugal Pump	X	LO FLOW

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	
Time:	1144	Time:		Actual Purge	1.5
Depth of Well	14.86'	Depth to Water			
Depth to Water	12.15'				

Sample

Start Purge 1152 Sample Time 1200

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1154	70.4	6.94	835	3.98	118	0.2		1
1156	70.4	6.94	833	4.01	119	0.2		2
1158	70.3	6.96	832	4.03	117	0.1		3

Sample Appearance CLEAR Lock Ø

Equipment Replacement

Lock	Ø	Well Cap	OK	Bolts	Ø	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA
Signature:

Sample Data: 10/24/2007
Project Number: 02-67106
Well Designation: MW7

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1100 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	10"		
Well Box	8" (12") 24"	Type of well box	Pomco

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo Flow

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	
Time:	1100	Time:		Actual Purge	1.0
Depth of Well	25.45	Depth to Water			
Depth to Water	13.11				

Sample

Start Purge: 1108 Sample Time: 1118

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1111	70.4	6.84	463	1.35	51	0.0		1
1113	70.2	6.86	464	1.40	49	0.2		2
1115	70.1	6.84	467	1.38	52	0.0		3

Sample Appearance: Clear Lock: OK

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	0	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/24/2007
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-8
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1250 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	CNI	

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo - Flow

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	
Time:	1250	Time:		Actual Purge	1.7
Depth of Well	28.05'	Depth to Water			
Depth to Water	14.95'				

Sample

Start Purge 1257 Sample Time 1306

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1300	67.4	6.77	633	1.40	29	1.1		1
1302	67.0	6.80	640	1.38	28	1.2		2
1305	66.7	6.80	646	1.47	27	1.2		3

Sample Appearance: clear Lock: OK

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	2	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/24/2007
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-9
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1218 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	6"		
Well Box	8" 12" (24")	Type of well box	UNK,

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	X Lo Flow

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	
Time:	1215	Time:		Actual Purge	2.0
Depth of Well	24.60'	Depth to Water			
Depth to Water	13.71'				

Sample

Start Purge: 1222 Sample Time: 1230

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1224	72.3	7.03	350	1.19	-28	0.1		1
1226	72.3	7.03	349	1.18	-31	0.0		2
1228	72.3	7.05	350	1.18	-29	0.1		3

Sample Appearance: clear Lock: O

Equipment Replacement

Lock	O	Well Cap	OK	Bolts	O	Box	OK

Remarks:

Appendix B

Official Laboratory Analytical Results –
Quarterly Ground Water Samples

KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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,

Joel Kiff

KIFF Analytical LLC

Report Number : 59249

Date : 11/1/2007

Project Name : **02-67106**

Project Number : **02-67106**

Sample : **MW-1** Matrix : Water Lab Number : 59249-01

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**13**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**4.1**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**3500**	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-2** Matrix : Water Lab Number : 59249-02

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**6.4**	1.5	ug/L	EPA 8260B	10/26/2007
Toluene	**4.8**	1.5	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**520**	1.5	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**85**	1.5	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**< 1.5**	1.5	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**< 7.0**	7.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 150**	150	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 15**	15	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**8800**	150	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	92.9		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-3** Matrix : Water Lab Number : 59249-03

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.5**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**0.70**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**0.70**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**0.84**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**5.5**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**890**	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	113		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-4** Matrix : Water Lab Number : 59249-04

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**4.7**	0.50	ug/L	EPA 8260B	10/27/2007
Toluene	**32**	0.50	ug/L	EPA 8260B	10/27/2007
Ethylbenzene	**78**	0.50	ug/L	EPA 8260B	10/27/2007
Total Xylenes	**230**	0.50	ug/L	EPA 8260B	10/27/2007
Methyl-t-butyl ether (MTBE)	**2.1**	0.50	ug/L	EPA 8260B	10/27/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/27/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/27/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/27/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/27/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/27/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/27/2007
TPH as Gasoline	**2100**	50	ug/L	EPA 8260B	10/27/2007
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/27/2007
4-Bromofluorobenzene (Surr)	95.3		% Recovery	EPA 8260B	10/27/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-5** Matrix : Water Lab Number : 59249-05

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.6**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**2.1**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**0.60**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**2.5**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**8.6**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**1000**	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	10/26/2007

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-6** Matrix : Water Lab Number : 59249-06

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**76**	50	ug/L	EPA 8260B	10/26/2007
(Note: Primarily compounds not found in typical Gasoline)					
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	10/26/2007

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KIFF Analytical LLC

Report Number : 59249

Date : 11/1/2007

Project Name : **02-67106**

Project Number : **02-67106**

Sample : **MW-7** Matrix : Water Lab Number : 59249-07

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	95.5		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-8** Matrix : Water Lab Number : 59249-08

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**3.7**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**7.6**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**60**	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 59249
Date : 11/1/2007

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

Sample : **MW-9** Matrix : Water Lab Number : 59249-09

Sample Date :10/24/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	10/26/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	**89**	50	ug/L	EPA 8260B	10/26/2007
(Note: Primarily compounds not found in typical Gasoline)					
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	96.1		% Recovery	EPA 8260B	10/26/2007

Approved By: Joel Kiff

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

Report Number : 59249

Date : 11/1/2007

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	10/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	< 50	50	ug/L	EPA 8260B	10/26/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	99.9		%	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	10/26/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	< 50	50	ug/L	EPA 8260B	10/26/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	113		%	EPA 8260B	10/26/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	10/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/25/2007
Toluene - d8 (Surr)	99.3		%	EPA 8260B	10/25/2007
4-Bromofluorobenzene (Surr)	96.7		%	EPA 8260B	10/25/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
Methanol	< 50	50	ug/L	EPA 8260B	10/26/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/26/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/26/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	10/26/2007
4-Bromofluorobenzene (Surr)	96.4		%	EPA 8260B	10/26/2007

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 59249

Date : 11/1/2007

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	10/27/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/27/2007
Methanol	< 50	50	ug/L	EPA 8260B	10/27/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/27/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/27/2007
Toluene - d8 (Surr)	102		%	EPA 8260B	10/27/2007
4-Bromofluorobenzene (Surr)	96.7		%	EPA 8260B	10/27/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 59249

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/1/2007

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	59237-11	<0.50	39.8	39.9	37.1	37.5	ug/L	EPA 8260B	10/26/07	93.3	93.9	0.592	70-130	25
Toluene	59237-11	<0.50	39.8	39.9	37.4	37.6	ug/L	EPA 8260B	10/26/07	93.9	94.2	0.271	70-130	25
Tert-Butanol	59237-11	21	199	200	210	209	ug/L	EPA 8260B	10/26/07	94.9	94.2	0.711	70-130	25
Methyl-t-Butyl Ether	59237-11	<0.50	39.8	39.9	38.1	39.1	ug/L	EPA 8260B	10/26/07	95.9	97.9	2.06	70-130	25
Benzene	59252-04	<0.50	40.0	40.0	37.8	37.0	ug/L	EPA 8260B	10/26/07	94.6	92.5	2.27	70-130	25
Toluene	59252-04	<0.50	40.0	40.0	38.4	37.6	ug/L	EPA 8260B	10/26/07	95.9	94.1	1.94	70-130	25
Tert-Butanol	59252-04	<5.0	200	200	193	200	ug/L	EPA 8260B	10/26/07	96.6	99.9	3.42	70-130	25
Methyl-t-Butyl Ether	59252-04	<0.50	40.0	40.0	40.8	40.6	ug/L	EPA 8260B	10/26/07	102	101	0.722	70-130	25
Benzene	59226-03	<0.50	40.0	40.0	41.2	40.5	ug/L	EPA 8260B	10/25/07	103	101	1.72	70-130	25
Toluene	59226-03	<0.50	40.0	40.0	40.0	39.1	ug/L	EPA 8260B	10/25/07	100	97.7	2.30	70-130	25
Tert-Butanol	59226-03	<5.0	200	200	208	207	ug/L	EPA 8260B	10/25/07	104	104	0.554	70-130	25
Methyl-t-Butyl Ether	59226-03	<0.50	40.0	40.0	32.8	32.4	ug/L	EPA 8260B	10/25/07	82.0	80.9	1.29	70-130	25
Benzene	59261-06	<0.50	40.0	40.0	40.9	39.1	ug/L	EPA 8260B	10/26/07	102	97.8	4.35	70-130	25
Toluene	59261-06	<0.50	40.0	40.0	41.0	39.0	ug/L	EPA 8260B	10/26/07	102	97.5	4.97	70-130	25
Tert-Butanol	59261-06	12	200	200	216	217	ug/L	EPA 8260B	10/26/07	102	103	0.683	70-130	25
Methyl-t-Butyl Ether	59261-06	<0.50	40.0	40.0	33.0	32.7	ug/L	EPA 8260B	10/26/07	82.5	81.8	0.807	70-130	25
Benzene	59275-02	<0.50	40.0	40.0	41.1	40.6	ug/L	EPA 8260B	10/27/07	103	101	1.43	70-130	25
Toluene	59275-02	<0.50	40.0	40.0	39.3	38.6	ug/L	EPA 8260B	10/27/07	98.3	96.4	1.92	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 59249

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/1/2007

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
Tert-Butanol	59275-02	<5.0	200	200	198	204	ug/L	EPA 8260B	10/27/07	98.9	102	3.14	70-130	25
Methyl-t-Butyl Ether	59275-02	<0.50	40.0	40.0	34.4	34.1	ug/L	EPA 8260B	10/27/07	86.0	85.2	0.879	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 59249

QC Report : Laboratory Control Sample (LCS)

Date : 11/1/2007

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	10/26/07	94.6	70-130
Toluene	40.0	ug/L	EPA 8260B	10/26/07	95.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/26/07	98.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/26/07	93.9	70-130
Benzene	40.0	ug/L	EPA 8260B	10/26/07	93.5	70-130
Toluene	40.0	ug/L	EPA 8260B	10/26/07	99.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/26/07	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/26/07	104	70-130
Benzene	40.0	ug/L	EPA 8260B	10/25/07	101	70-130
Toluene	40.0	ug/L	EPA 8260B	10/25/07	99.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/25/07	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/25/07	82.8	70-130
Benzene	40.0	ug/L	EPA 8260B	10/26/07	103	70-130
Toluene	40.0	ug/L	EPA 8260B	10/26/07	99.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/26/07	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/26/07	82.2	70-130
Benzene	40.0	ug/L	EPA 8260B	10/27/07	100	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 59249

QC Report : Laboratory Control Sample (LCS)

Date : 11/1/2007

Project Name : **02-67106**

Project Number : **02-67106**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	10/27/07	98.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/27/07	97.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/27/07	81.8	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 59249

Date : 11/1/2007

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	10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007		10/24/2007	
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	**6.4**	0.50	**1.5**	0.50	**4.7**	0.50	**1.6**	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND	1.5	**4.8**	0.50	**0.70**	0.50	**32**	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**13**	1.5	**520**	0.50	**0.70**	0.50	**78**	0.50	**2.1**	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	**4.1**	1.5	**85**	0.50	ND	0.50	**230**	0.50	**0.60**	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	**0.84**	0.50	**2.1**	0.50	**2.5**	0.50	ND	0.50	ND	0.50	**3.7**
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	ND	5.0	**5.5**	5.0	ND	5.0	**8.6**	5.0	ND	5.0	ND	5.0	**7.6**
Methanol	EPA 8260B	ug/L	50	ND	150	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	5.0	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	**3500**	150	**8800**	50	**890**	50	**2100**	50	**1000**	50	**76**	50	ND	50	**60**
Toluene - d8 (Surr)	EPA 8260B	%		98.2		92.9		100		103		100		102		102		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.9		99.1		113		95.3		97.6		96.2		95.5		96.3

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

KIFF Analytical LLC

Analysis Summary

Report Number : 59249

Date : 11/1/2007

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	10/24/2007
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	ND
TPH as Gasoline	EPA 8260B	ug/L	50	**89**
Toluene - d8 (Surr)	EPA 8260B	%		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.1

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

November 01, 2007

CLS Work Order #: CQJ1034
COC #: 59249

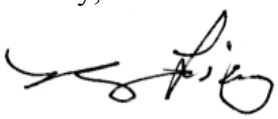
Troy Turpen
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

Project Name: 02-67106

Enclosed are the results of analyses for samples received by the laboratory on 10/25/07 17:55. 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 #: CQJ1034
COC #: 59249

CQJ1034

KIFF Analytical LLC

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# 59249 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen
Company/Address: Kiff Analytical, LLC
Phone No.: FAX No.:
Project Number: 02-67106 P.O. No.: 59249
Project Name: 02-67106
Project Address:

EDF Report? Yes X_No

Recommended but not mandatory to complete this section:
Sampling Company Log Code:
Global ID:
EDF Deliverable to (Email Address):
E-mail address: nbox@kiffanalytical.com

Analysis Request — Date due: November 1, 2007

Sample Designation	Sampling Date	Sampling Time	Container: VOA	Poly	Sleeve	Amber	Glass Jar	Preservative: HNO_3	H_2SO_4	$Na_2S_2O_3$	ZnAc & NaOH	NONE	Matrix: WATER	SOIL	Air	Dissolved CO_2	For Lab Use Only
MW-1	10/24/07	15:06		1								1	X			X	X
MW-2	10/24/07	15:35		1								1	X			X	X
MW-3	10/24/07	14:08		1								1	X			X	X
MW-4	10/24/07	14:40		1								1	X			X	X
MW-5	10/24/07	13:40		1								1	X			X	X
MW-6	10/24/07	12:00		1								1	X			X	X
MW-7	10/24/07	11:18		1								1	X			X	X
MW-8	10/24/07	13:06		1								1	X			X	X
MW-9	10/24/07	12:30		1								1	X			X	X

	Date	Time	Received by:
Relinquished by: Kiff Analytical	10/25/07	1755	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: JonR 10-25-7 1755

Remarks: 4°C

Bill to: Accounts Payable

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

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

CLS Work Order #: CQJ1034
COC #: 59249

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CQJ1034-01) Water	**Sampled: 10/24/07 15:06**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**18**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-2 (CQJ1034-02) Water	**Sampled: 10/24/07 15:35**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**18**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-3 (CQJ1034-03) Water	**Sampled: 10/24/07 14:08**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**31**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-4 (CQJ1034-04) Water	**Sampled: 10/24/07 14:40**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**71**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-5 (CQJ1034-05) Water	**Sampled: 10/24/07 13:40**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**120**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-6 (CQJ1034-06) Water	**Sampled: 10/24/07 12:00**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**88**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-7 (CQJ1034-07) Water	**Sampled: 10/24/07 11:18**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**55**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-8 (CQJ1034-08) Water	**Sampled: 10/24/07 13:06**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**85**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	
MW-9 (CQJ1034-09) Water	**Sampled: 10/24/07 12:30**	**Received: 10/25/07 17:55**							
Carbon Dioxide as CO2	**34**	5.0	mg/L	1	CQ08910	10/26/07	10/26/07	SM 4500C	

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

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

CLS Work Order #: CQJ1034
COC #: 59249

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 CQ08910 - General Preparation										
Blank (CQ08910-BLK1)				Prepared & Analyzed: 10/26/07						
Carbon Dioxide as CO2	ND	5.0	mg/L							

KIFF Analytical	Project: 02-67106	
2795 Second St. Suite 300	Project Number: 02-67106	**CLS Work Order #: CQJ1034**
Davis, CA 95616	Project Manager: Troy Turpen	COC #: 59249

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

Calscience
Environmental
Laboratories, Inc.

November 01, 2007

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 07-10-1867**
Client Reference: 02-67106

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/26/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Amanda Porter

Calscience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 10/26/07
Work Order No: 07-10-1867
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 02-67106

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**07-10-1867-1**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	2.19	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**07-10-1867-2**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	0.988	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	**07-10-1867-3**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	1.04	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**07-10-1867-4**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	2.08	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	**07-10-1867-5**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	0.846	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	**07-10-1867-6**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 10/26/07
Work Order No: 07-10-1867
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 02-67106

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	**07-10-1867-7**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	0.148	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	**07-10-1867-8**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	0.661	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-9	**07-10-1867-9**	**10/24/07**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	1.94	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-7,664**	**N/A**	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 10/26/07
Work Order No: 07-10-1867

Project: 02-67106

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	**07-10-1867-1**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	80.0	1.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.8	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-2	**07-10-1867-2**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	82.0	1.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	2.5	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-3	**07-10-1867-3**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	134	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.6	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-4	**07-10-1867-4**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	360	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	2.7	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 10/26/07
Work Order No: 07-10-1867

Project: 02-67106

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-5	**07-10-1867-5**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	542	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.8	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-6	**07-10-1867-6**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	454	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.7	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-7	**07-10-1867-7**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	202	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.2	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-8	**07-10-1867-8**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	292	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	1.2	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical	Date Received:	10/26/07
2795 2nd Street, Suite 300	Work Order No:	07-10-1867
Davis, CA 95616-6593		

Project: 02-67106

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-9	**07-10-1867-9**	**10/24/07**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	184	5.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	7.7	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

Method Blank	**N/A**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	10/29/07	SM 2320B
Carbon, Total Organic	ND	0.50	1		mg/L	N/A	10/29/07	SM 5310 D

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 10/26/07
Work Order No: 07-10-1867
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 02-67106

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-10-1846-6	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron	104	105	65-149	0	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 07-10-1867

Project: 02-67106

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	SM 5310 D	07-10-1866-2	10/29/07	N/A	86	80	70-130	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 07-10-1867

Project: 02-67106

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	SM 2320B	07-10-1866-1	10/29/07	486	486	0	0-25	
Bicarbonate (as CaCO3)	SM 2320B	07-10-1866-1	10/29/07	486	486	0	0-25	
Carbonate (as CaCO3)	SM 2320B	07-10-1866-1	10/29/07	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	07-10-1866-1	10/29/07	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Kiff Analytical	Date Received: N/A
2795 2nd Street, Suite 300	Work Order No: 07-10-1867
Davis, CA 95616-6593	Preparation: EPA 3010A Total
	Method: EPA 6010B

Project: 02-67106

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-7,664	**Aqueous**	**ICP 5300**	**10/26/07**	**10/29/07**	**071026L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron	104	108	80-120	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 07-10-1867

Project: 02-67106

Matrix : Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	SM 5310 D	099-05-097-2,776	10/29/07	N/A	5.00	4.80	96	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-10-1867

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. 1867

Page 1 of 1

Project Contact (Hardcopy or PDF to):
Troy Turpen

EDF Report? __Yes _X_No

Chain-of-Custody Record and Analysis Request

Company/Address:
Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Phone No.: | FAX No.:

Project Number: 02-67106 | P.O. No.: 59249

Project Name:
02-67106

E-mail address:
inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: November 1, 2007

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: Glass	Poly	Sleeve	Amber	Tedlar	Preservative: HNO_3	H_2SO_4	$Na_2S_2O_3$	$ZnAc_2$ & NaOH	NONE	Matrix: WATER	SOIL	Air	TOTAL Fe	ALKALINITY	T.O.C.						Date due	For Lab Use Only
MW-1	10/24/07	15:06	1	2				1	1			1	X			X	X	X						X	
MW-2	10/24/07	15:35	1	2				1	1			1	X			X	X	X						X	
MW-3	10/24/07	14:08	1	2				1	1			1	X			X	X	X						X	
MW-4	10/24/07	14:40	1	2				1	1			1	X			X	X	X						X	
MW-5	10/24/07	13:40	1	2				1	1			1	X			X	X	X						X	
MW-6	10/24/07	12:00	1	2				1	1			1	X			X	X	X						X	
MW-7	10/24/07	11:18	1	2				1	1			1	X			X	X	X						X	
MW-8	10/24/07	13:06	1	2				1	1			1	X			X	X	X						X	
MW-9	10/24/07	12:30	1	2				1	1			1	X			X	X	X						X	

Relinquished by: Kiff Analytical	Date 10/25/07	Time 1900	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 10/26/07	Time 0800	Received by Laboratory:	Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 10 - 1867

Cooler 1 of 2

SAMPLE RECEIPT FORM

CLIENT: Kiff **DATE:** 10/26/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.6 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC		✓	
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 10 - 1867

Cooler 2 of 2

SAMPLE RECEIPT FORM

CLIENT: Kiff DATE: 10/26/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.0 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC		✓	
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 59249

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): RICHARD MUNSCH	California EDF Report? ☐ Yes ☐ No
Company / Address: RDM ENV.	Sampling Company Log Code:
Phone #: (916) 415-1134 Fax #: (916) 415-1154	Global ID:
Project #: 02-67106 P.O. #: —	EDF Deliverable To (Email Address):
Project Name: —	Sampler Signature:
Project Address: 1088 MARINA BLVD, SAN LEANDRO CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: H_2SO_4	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	~~MBT, Lead (STLC)~~ TOTAL Fe	DISSOLVED CO_2	ALKALINITY	T.O.C.	For Lab Use Only
MW-1	10/24/07	1506	3		3	1		X	X	X	X	X					X	X		X								X	X	X	X	01
MW-2	↓	1535																														02
MW-3		1408																														03
MW-4		1440																														04
MW-5		1340																														05
MW-6		1200																														06
MW-7		1118																														07
MW-8		1306																														08
MW-9	✓	1230																														09

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk

Relinquished by:	Date	Time	Received by:
MIKE JOHNSON			
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date: 102507	Time: 1225	Received by Laboratory: Kiff Analytical

Remarks: STAT
EMAIL COPY TO RDM

Bill to: TESORO PETRO / JEFF BAKER

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
0.2	JGB	102507	1450	IR5	(Yes) No

Distribution: White - Lab; Pink - Originator
Rev: 051805

Appendix C

Historical Site Data

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	03/12/98	33.10	11.09	22.01	<0.5	<0.5	5.0	2.8	100	<5.0	NA	No sheen
	05/28/98		11.36	21.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		12.61	20.49	<0.5	<0.5	6.4	1.4	130	<5.0	NA	No sheen
	11/19/98		13.84	19.26	0.75	<0.5	<0.5	3.0	120	<5.0	NA	No sheen
	03/15/99		11.95	21.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		13.45	19.65	1.6	1.9	230	110	5,200	<5.0	NA	No sheen
	09/07/99		13.10	20.00	1.0	<0.5	22	15	490	<5.0	NA	No sheen
	12/13/99		14.29	18.81	<2.5	<2.5	170	110	4,100	<25	NA	No sheen
	03/08/00		11.22	21.88	<0.5	<0.5	21	7.7	1,200	150	NA	No sheen
	06/12/00		12.85	20.25	1.5	0.9	160	98	3,000	34	NA	No sheen
	11/15/00		14.19	18.91	<20	<20	470	390	8,500	14,000	NA	No sheen
	02/27/01		12.35	20.75	5.4	2.6	260	190	6,100	4,300	NA	No sheen
	05/22/01		14.18	18.92	8.9	13	1,100	1,300	21,000	2,300	NA	No sheen
	09/05/01		13.70	19.10	<2.0	3.6	600	850	12,000	93	NA	No sheen
	11/07/01		14.25	18.85	<5.0	<5.0	1,300	1,600	23,000	87	NA	No sheen
	02/11/02	35.47	13.05	22.42	<0.5	<0.5	140	150	4,500	18	NA	No sheen
	06/03/02		13.31	22.16	<2.5	<2.5	520	460	12,000	12	NA	No sheen
	08/06/02		13.75	21.72	<0.5	<0.5	710	580	22,000	15	NA	No sheen
	11/14/02		14.10	21.37	<5.0	<5.0	300	250	16,000	8.1	ND	No sheen
	02/20/03		12.80	22.67	<1.5	<1.5	130	89	7,300	9.3	ND	No sheen
	05/15/03		12.90	22.57	<2.5	<2.5	270	120	14,000	4.7	ND	No sheen
	07/31/03		13.50	21.97	<5.0	<5.0	380	230	18,000	5.2	ND	No sheen
	10/28/03		14.42	21.05	<5.0	<5.0	340	210	17,000	<5.0	ND	No sheen
	02/28/04		12.72	22.75	<2.0	<2.0	140	48	10,000	4.8	ND	No sheen
	04/16/04		13.52	21.95	<0.5	<0.5	29	11	2,800	2.1	ND	No sheen
	07/16/04		14.04	21.43	<0.5	0.57	130	74	5,500	1.4	ND	No sheen
	11/13/04		13.99	21.43	<0.70	<0.70	56	25	4,000	ND	ND	No sheen
	02/04/05		13.36	22.11	0.57	<0.5	140	58	9,700	0.75	ND	No sheen
	04/08/05		12.43	23.04	<1.5	<1.5	84	24	8,100	<1.5	ND	No sheen
	08/10/05		13.62	21.85	<1.5	<1.5	92	32	8,700	<1.5	ND	No sheen
	11/05/05		13.95	21.52	<1.5	<1.5	92	38	9,200	<1.5	ND	No sheen
	01/13/06		12.43	23.04	<1.5	<1.5	34	17	6,500	<1.5	ND	No sheen
	05/12/06		12.40	23.33	<0.5	1.0	26	12	3,600	<0.5	330[d], 390[e]	No sheen
	08/13/06		13.08	22.39	<0.5	0.57	40	12	5,200	<0.5	ND	No sheen
	10/20/06		13.58	21.89	<0.5	0.61	52	16	5,300	<0.5	ND	No sheen
	02/12/07		12.94	22.53	<0.5	<0.5	12	2.7	3,500	<0.5	ND	No sheen
	04/25/07		13.35	22.12	<0.5	<0.5	15	3.6	3,400	<0.5	ND	No sheen
	07/23/07		14.00	21.47	<0.5	0.61	24	7.5	5,400	<0.5	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	03/12/98	32.80	10.92	21.88	32	1.0	12	6.5	440	20	NA	No sheen
	05/28/98		10.41	22.39	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No sheen
	08/31/98		12.29	20.51	9.3	0.95	4.9	8.8	270	20	NA	No sheen
	11/19/98		13.47	19.33	16	0.72	<0.5	4.3	180	7.4	NA	No sheen
	03/15/99		11.95	20.85	12	3.5	59	840	2,400	10	NA	No sheen
	06/07/99		13.11	19.69	21	0.99	6.9	10	690	6.1	NA	No sheen
	09/07/99		12.92	19.88	7.8	1.2	42	100	610	<5.0	NA	No sheen
	12/13/99		13.96	18.84	26	0.93	52	96	3,000	<5.0	NA	No sheen
	03/08/00		10.87	21.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.53	20.27	51	17	170	320	5,500	18	NA	No sheen
	11/15/00		13.96	18.84	75	48	1,200	2,800	16,000	19,000	NA	No sheen
	02/27/01		12.29	20.51	54	24	320	870	10,000	6,000	NA	No sheen
	05/22/01		15.51	17.29	12	5.0	79	100	2,400	3,500	NA	No sheen
	09/05/01		13.75	19.05	120	180	1,500	5,100	34,000	400	NA	No sheen
	11/07/01		13.99	18.81	87	170	1,400	3,700	32,000	870	NA	No sheen
	02/11/02	35.11	12.98	22.13	170	250	1,600	4,700	34,000	390	NA	No sheen
	06/03/02		13.24	21.87	130	260	1,700	5,100	29,000	110	NA	No sheen
	08/06/02		13.73	21.38	110	240	1,700	4,700	34,000	84	NA	No sheen
	11/14/02		13.55	21.56	51	150	1,300	3,600	35,000	39	ND	No sheen
	02/20/03		11.80	23.31	67	130	1,100	2,800	23,000	71	ND	No sheen
	05/15/03		12.27	22.84	57	110	840	2,300	19,000	43	ND	No sheen
	07/31/03		13.46	21.65	78	210	2,000	5,000	31,000	36	ND	No sheen
	10/28/03		14.09	21.02	59	120	2,000	3,600	32,000	19	ND	No sheen
	02/28/04		12.27	22.84	21	26	520	980	10,000	35	ND	No sheen
	04/16/04		13.22	21.89	30	30	540	890	11,000	30	23[c]	No sheen
	07/16/04		13.76	21.35	42	36	1,200	2,300	21,000	17	ND	No sheen
	11/13/04		13.79	21.35	25	27	780	1,300	14,000	9.1	ND	No sheen
	02/04/05		13.08	22.03	24	20	720	1,000	14,000	8.6	ND	No sheen
	04/08/05		12.11	23.00	19	11	580	630	14,000	7.9	ND	No sheen
	08/10/05		13.27	21.84	21	11	610	520	13,000	7.6	ND	No sheen
	11/05/05		11.92	23.19	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	01/13/06		12.26	22.85	17	7.8	220	230	6,800	3.5	ND	No sheen
	05/12/06		11.64	23.47	2.3	1.6	39	34	1,400	<0.5	200[d], 190[e]	No sheen
	08/13/06		12.80	22.31	17	6.4	520	160	7,700	3.4	ND	No sheen
	10/20/06		13.31	21.80	22	7.6	620	140	8,800	3.1	ND	No sheen
	02/12/07		12.81	22.30	24	8.5	450	110	7,700	2.5	ND	No sheen
	04/25/07		13.10	22.01	22	8.7	620	100	9,400	<2.0	ND	No sheen
	07/23/07		13.69	21.42	13	7.5	640	98	9,100	0.58	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	03/12/98	32.30	10.81	21.49	0.67	<0.5	7.1	3.4	1,200	7.3	NA	No sheen
	05/28/98		11.45	20.85	<0.5	0.5	<0.5	<0.5	350	<5.0	NA	No sheen
	08/31/98		12.21	20.09	<0.5	0.89	0.69	<0.5	240	<5.0	NA	No sheen
	11/19/98		13.26	19.04	5.3	0.72	0.86	4.2	440	<5.0	NA	No sheen
	03/15/99		11.89	20.41	3.3	1.3	0.77	<0.5	410	<5.0	NA	No sheen
	06/07/99		12.91	19.39	<0.5	2.0	<0.5	0.66	680	<5.0	NA	No sheen
	09/07/99		12.81	19.49	<0.5	0.62	<0.5	8.7	150	12	NA	No sheen
	12/13/99		13.75	18.55	<0.5	0.52	<0.5	1.0	830	<5.0	NA	No sheen
	03/08/00		11.39	20.91	0.58	<0.5	0.77	<0.5	960	<5.0	NA	No sheen
	06/12/00		12.58	19.72	1.7	<0.5	46	6.3	1,700	<5.0	NA	No sheen
	11/15/00		13.85	18.45	<200	<200	<200	<200	<20,000	84,000	NA	No sheen
	02/27/01		12.22	20.08	98	<20	130	30	3,500	16,000	NA	No sheen
	05/22/01		13.66	18.64	41	<20	20	<20	<2,000	5,800	NA	No sheen
	09/05/01		13.41	18.89	9.9	1.5	49	8.2	5,300	430	NA	No sheen
	11/07/01		13.85	18.45	9.4	1.8	47	8.8	6,500	1,600	NA	No sheen
	02/11/02	34.84	12.86	21.98	8.9	<2.0	14	<2.0	2,400	530	NA	No sheen
	06/03/02		13.10	21.74	13	0.77	19	0.94	2,100	110	NA	No sheen
	08/06/02		13.52	21.32	25	2.5	12	1.1	2,800	120	NA	No sheen
	11/14/02		13.49	21.35	29	0.89	3.7	<0.5	2,200	420	1.1[b], 19[c]	No sheen
	02/20/03		12.92	21.92	2.5	<0.5	<0.5	<0.5	2,400	340	13[c]	No sheen
	05/15/03		12.83	22.01	2.0	<0.5	1.2	<0.5	2,100	200	0.85[b], 15[c]	No sheen
	07/31/03		13.44	21.40	1.2	<0.5	<0.5	<0.5	1,600	330	0.81[b], 15[c]	No sheen
	10/28/03		13.92	20.92	1.0	<0.5	<0.5	<0.5	1,600	160	7.1[c]	No sheen
	02/28/04		12.50	22.34	1.2	<0.5	0.74	<0.5	1,400	58	74[c]	No sheen
	04/16/04		13.07	21.77	1.2	<0.5	<0.5	<0.5	1,400	45	95[c]	No sheen
	07/16/04		13.62	21.22	6.1	1.1	<0.5	0.83	1,900	43	21[c]	No sheen
	11/13/04		13.70	21.22	4.7	0.79	<0.5	<0.5	1,300	30	82[c]	No sheen
	02/04/05		12.94	21.90	0.79	<0.5	<0.5	<0.5	1,300	10	12[c]	No sheen
	04/08/05		12.10	22.74	<0.5	<0.5	<0.5	<0.5	770	4.2	ND	No sheen
	08/10/05		13.19	21.65	3.4	0.61	0.57	<0.5	1,600	6.3	11[c]	No sheen
	11/05/05		13.46	21.38	7.1	1.0	2.7	0.75	2,200	3.6	13[c]	No sheen
	01/13/06		12.20	22.64	5.0	1.1	4.9	1.2	1,200	3.1	9.8[a]	No sheen
	05/12/06		11.79	23.05	2.4	1.2	1.8	1.1	960	2.1	6.1[c], 220[d], 300[e]	No sheen
	08/13/06		12.66	22.18	2.2	0.62	1.6	1.0	1,700	1.1	5.5[c]	No sheen
	10/20/06		13.19	21.65	1.9	<0.5	<0.5	<0.5	1,200	1.6	ND	No sheen
	02/12/07		12.74	22.10	<0.5	<0.5	<0.5	<0.5	990	1.2	5.5[c], 8.8[e]	No sheen
	04/25/07		12.99	21.85	<0.5	<0.5	<0.5	<0.5	760	1.4	6.1[c]	No sheen
	07/23/07		13.55	21.29	1.4	<0.5	<0.5	<0.5	750	1.1	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-4	03/12/98	32.90	11.31	21.59	2,200	1,500	630	3,000	14,000	440	NA	No sheen
	05/28/98		10.40	22.50	<0.5	0.75	0.68	6.9	67	26	NA	No sheen
	08/31/98		12.54	20.36	1.8	2.5	0.65	3.4	<50	<5.0	NA	No sheen
	11/19/98		13.99	18.91	<0.5	<0.5	<0.5	0.61	<50	17	NA	No sheen
	03/15/99		12.06	20.84	1.2	1.6	0.76	4.5	160	9.3	NA	No sheen
	06/07/99		13.57	19.33	210	370	350	2,000	5,800	<20	NA	No sheen
	09/07/99		10.30	22.60	2.2	2.8	4.8	25	130	12	NA	No sheen
	12/13/99		14.18	18.72	1.3	1.0	1.2	4.8	<50	12	NA	No sheen
	03/08/00		11.77	21.13	78	200	160	750	3,700	11	NA	No sheen
	06/12/00		13.47	19.43	<0.5	<0.5	<0.5	<0.5	<50	24	NA	No sheen
	11/15/00		14.33	18.57	12	38	28	130	710	1,300	NA	No sheen
	02/27/01		14.25	18.65	67	300	310	1,400	6,500	1,000	NA	No sheen
	05/22/01		13.99	18.91	2.1	5.6	4.8	20	130	350	NA	No sheen
	09/05/01		15.75	17.15	110	670	250	1,300	6,200	600	NA	No sheen
	11/07/01		16.10	16.80	40	270	180	940	4,100	110	NA	No sheen
	02/11/02	35.33	15.04	20.29	91	590	620	3,000	14,000	350	NA	No sheen
	06/03/02		13.61	21.72	69	390	190	1,100	4,300	240	NA	No sheen
	08/06/02		15.01	20.32	100	690	570	2,900	13,000	170	NA	No sheen
	11/14/02		13.98	21.35	65	380	550	3,400	20,000	130	ND	No sheen
	02/20/03		13.33	22.00	57	240	650	3,700	18,000	98	ND	No sheen
	05/15/03		13.29	22.04	44	100	200	1,200	8,500	120	21[c]	No sheen
	07/31/03		13.76	21.57	42	59	250	1,400	11,000	87	ND	No sheen
	10/28/03		14.48	20.85	80	40	130	650	8,100	130	20[c]	No sheen
	02/28/04		12.96	22.37	85	430	570	3,700	17,000	67	ND	No sheen
	04/16/04		13.57	21.76	72	420	570	3,800	19,000	60	ND	No sheen
	07/16/04		14.16	21.17	46	330	360	2,200	10,000	58	28[c]	No sheen
	11/13/04		14.34	21.17	50	240	360	2,200	9,400	22	ND	No sheen
	02/04/05		13.56	21.77	14	160	170	1,100	4,800	7.9	ND	No sheen
	04/08/05		12.65	22.68	15	160	200	1,200	5,800	6.6	ND	No sheen
	08/10/05		13.73	21.60	7.0	110	100	570	3,000	5.2	9.9[c]	No sheen
	11/05/05		14.35	20.98	6.0	91	95	630	3,000	5.3	9.1[c]	No sheen
	01/13/06		12.76	22.57	8.3	100	160	860	4,000	4.9	6.7[a]	No sheen
	05/12/06		12.56	22.75	<0.5	0.62	<0.5	<0.5	<50	<0.5	180[d], 260[b]	No sheen
	08/13/06		13.30	22.30	2.5	20	41	240	1,200	2.0	ND	No sheen
	10/20/06		13.78	21.55	2.9	28	56	350	1,500	2.7	ND	No sheen
	02/12/07		13.21	22.10	<0.5	0.58	1.5	3.3	150	3.1	9.7[e]	No sheen
	04/25/07		13.58	21.75	0.83	4.6	10	26	340	4.8	6.0[c]	No sheen
	07/23/07		14.19	21.14	2.6	4.1	42	43	1,000	3.0	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5	03/12/98	32.70	11.11	21.59	2,600	160	470	2,200	12,000	<250	NA	No sheen
	05/28/98		10.92	21.78	480	99	160	730	4,700	<250	NA	No sheen
	08/31/98		12.79	19.91	200	14	55	220	1,400	180	NA	No sheen
	11/19/98		13.39	19.31	1.4	<0.5	<0.5	<0.5	<50	39	NA	No sheen
	03/15/99		11.71	20.99	320	17	290	780	3,400	33	NA	No sheen
	06/07/99		13.26	19.44	220	8.9	240	290	3,200	<25	NA	No sheen
	09/07/99		9.70	23.00	8.5	<0.5	8.5	12	140	38	NA	No sheen
	12/13/99		14.06	18.64	<0.5	<0.5	<0.5	13	140	<5.0	NA	No sheen
	03/08/00		11.80	20.90	0.66	<0.5	2.5	30	280	<5.0	NA	No sheen
	06/12/00		12.99	19.71	22	1.2	79	170	2,700	6.4	NA	No sheen
	11/15/00		14.23	18.47	36	1.6	180	180	4,500	10	NA	No sheen
	02/27/01		12.66	20.04	33	1.6	160	220	2,800	110	NA	No sheen
	05/22/01		13.58	19.12	49	2.2	180	230	3,200	240	NA	No sheen
	09/05/01		14.05	18.65	28	1.0	100	100	2,400	560	NA	No sheen
	11/07/01		14.32	18.38	<2.0	<2.0	2.1	20	390	590	NA	No sheen
	02/11/02	35.09	13.31	21.78	19	<5.0	59	52	1,200	1,800	NA	No sheen
	06/03/02		13.55	21.54	44	<2.0	150	210	3,200	610	NA	No sheen
	08/06/02		14.10	20.99	42	<2.0	140	150	3,200	820	NA	No sheen
	11/14/02		14.03	21.06	29	1.3	94	100	2,900	560	100[c]	No sheen
	02/20/03		13.35	21.74	22	<1.0	81	77	2,900	270	170[c]	No sheen
	05/15/03		13.11	21.98	55	1.8	94	85	3,700	220	0.64[b], 170[c]	No sheen
	07/31/03		13.88	21.21	45	1.1	26	19	2,400	200	180[c]	No sheen
	10/28/03		14.41	20.68	6.8	<0.5	4.4	1.1	570	77	8.0[c]	No sheen
	02/28/04		12.89	22.20	37	1.4	130	120	3,400	72	32[c]	No sheen
	04/16/04		13.41	21.68	26	0.73	45	53	2,400	81	130[c]	No sheen
	07/16/04		13.92	21.17	24	0.85	36	20	2,100	71	46[c]	No sheen
	11/13/04		14.35	21.17	19	0.55	37	17	1,600	38	59[c]	No sheen
	02/04/05		13.48	21.61	40	1.40	120	80	4,500	32	43[c]	No sheen
	04/08/05		12.42	22.67	<0.5	<0.5	<0.5	<0.5	67	7.9	ND	No sheen
	08/10/05		13.36	21.73	<0.5	<0.5	<0.5	<0.5	<50	1.5	ND	No sheen
	11/05/05		13.96	21.13	<0.5	<0.5	2.2	1.5	110	<0.5	ND	No sheen
	01/13/06		12.53	22.56	<0.5	<0.5	1.2	<0.5	0.58	<0.5	ND	No sheen
	05/12/06		12.26	22.83	<0.5	<0.5	<0.5	<0.5	<50	0.54	28[e]	No sheen
	08/13/06		13.05	22.04	<0.5	<0.5	0.58	<0.5	140	0.66	ND	No sheen
	10/20/06		13.52	21.57	0.76	<0.5	2.8	1.1	320	1.40	5.9[c]	No sheen
	02/12/07		13.04	22.05	<0.5	<0.5	<0.5	<0.5	210	2.80	6.4[c]	No sheen
	04/25/07		13.40	21.69	<0.5	<0.5	<0.5	<0.5	340	3.70	8.1[c]	No sheen
	07/23/07		13.95	21.14	0.72	<0.5	1.4	0.73	700	3.20	8.9[c]	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-6	03/12/98	30.40	10.49	19.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.58	19.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		10.85	19.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		10.88	19.52	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.83	19.57	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		11.01	19.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		11.89	18.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.09	18.31	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.02	20.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		11.07	19.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		12.34	18.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/27/01		10.75	19.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	05/22/01		11.55	18.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	09/05/01		12.10	18.30	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/07/01		12.31	18.09	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/11/02	32.74	11.05	21.69	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	06/03/02		11.70	21.40	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	08/06/02		12.28	20.46	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/14/02		12.46	20.28	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/20/03		11.26	21.48	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	05/15/03		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/31/03		11.73	21.01	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/28/03		12.38	20.36	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/28/04		11.88	20.86	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/16/04		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/16/04		12.84	19.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	11/13/04		12.13	19.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/04/05		11.14	21.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/08/05		10.94	21.80	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	08/10/05		11.42	21.32	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	11/05/05		11.90	20.84	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	01/13/06		10.70	22.04	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	05/12/06		10.63	22.11	<0.5	0.72	<0.5	<0.5	<50	<0.5	35[e]	No sheen
	08/13/06		11.08	21.66	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/20/06		11.58	21.16	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/12/07		11.22	21.52	<0.5	<0.5	<0.5	<0.5	<50	<0.5	9.3[e]	No sheen
	04/25/07		11.43	21.31	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/23/07		11.98	20.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	03/12/98	31.20	10.14	21.06	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.93	20.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		12.01	19.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		12.54	18.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.94	20.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		12.05	19.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		12.67	18.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.73	18.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.90	20.30	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.61	18.59	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		13.06	18.14	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/27/01		11.85	19.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	05/22/01		12.31	18.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	09/05/01		12.85	18.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/07/01		12.75	18.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/11/02	33.64	NM	NC	NS	NS	NS	NS	NS	NS	NS	
	06/03/02		12.58	21.06	<0.5	<0.5	<0.5	<0.5	<50	0.95	NA	No sheen
	08/06/02		12.93	20.71	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/14/02		13.04	20.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/20/03		12.75	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	05/15/03		12.45	21.19	<0.5	<0.5	<0.5	<0.5	<50	0.69	ND	No sheen
	07/31/03		12.80	20.84	<0.5	<0.5	<0.5	<0.5	<50	0.65	ND	No sheen
	10/28/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	No sheen
	02/28/04		12.21	21.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/16/04		12.26	21.38	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/16/04		12.85	20.79	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	11/13/04		13.01	20.79	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/04/05		12.57	21.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/08/05		11.82	21.82	<0.5	<0.5	<0.5	<0.5	<50	0.78	ND	No sheen
	08/10/05		12.44	21.20	<0.5	<0.5	<0.5	<0.5	<50	0.61	ND	No sheen
	11/05/05		12.91	20.73	<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	No sheen
	01/13/06		11.51	22.13	<0.5	<0.5	<0.5	<0.5	<50	0.61	ND	No sheen
	05/12/06		11.37	22.27	<0.5	0.59	<0.5	<0.5	<50	0.57	15[e]	No sheen
	08/13/06		11.88	21.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/20/06		12.32	21.32	<0.5	<0.5	<0.5	<0.5	<50	0.54	ND	No sheen
	02/12/07		12.21	21.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/25/07		12.33	21.31	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/23/07		13.00	20.64	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	03/12/98	33.80	11.81	21.99	1.4	<0.5	<0.5	<0.5	72	<5.0	NA	No sheen
	05/28/98		12.14	21.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		13.16	20.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		14.56	19.24	510	24	1,200	2,800	14,000	<5.0	NA	No sheen
	03/15/99		12.40	21.40	160	16	910	2,100	14,000	<50	NA	No sheen
	06/07/99		14.06	19.74	330	14	470	880	7,800	<50	NA	No sheen
	09/07/99		14.01	19.79	150	2.6	260	370	3,200	<5.0	NA	No sheen
	12/13/99		14.91	18.89	35	<5.0	280	730	6,700	<50	NA	No sheen
	03/08/00		11.85	21.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		13.59	20.21	4.0	<0.5	4.9	2.1	140	<5.0	NA	No sheen
	11/15/00		14.94	18.86	2.0	<0.5	3.1	2.6	100	110	NA	No sheen
	02/27/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	05/22/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	09/05/01		14.68	19.12	160	<2.0	200	330	4,800	850	NA	No sheen
	11/07/01		15.10	18.70	1.1	<1.0	2.0	6.1	<100	590	NA	No sheen
	02/11/02	36.08	14.06	22.02	7.9	<5.0	16	22	<500	1,700	NA	No sheen
	06/03/02		14.25	21.83	20.0	<2.0	19	35	550	650	NA	No sheen
	08/06/02		14.55	21.53	220	<2.0	170	280	4,800	1,000	NA	No sheen
	11/14/02		14.73	21.35	250	<2.5	160	220	4,800	1,200	47[c]	No sheen
	02/20/03		13.81	22.27	17	<1.0	19	42	760	520	16[c]	No sheen
	05/15/03		13.68	22.40	14	<0.5	16	23	690	370	0.79[b], 10[c]	No sheen
	07/31/03		14.54	21.54	29	<1.0	15	18	700	380	36[c]	No sheen
	10/28/03		15.09	20.99	87	<1.0	34	40	2,000	490	130[c]	No sheen
	02/28/04		13.45	22.63	21	<0.5	15	49	1,100	200	110[c]	No sheen
	04/16/04		14.19	21.89	57	<0.5	52	75	2,900	300	140[c]	No sheen
	07/16/04		14.76	21.32	32	<0.5	34	51	2,000	92	67[c]	No sheen
	11/13/04		14.91	21.32	30	0.64	84	92	4,100	61	76[c]	No sheen
	02/04/05		14.09	21.99	27	<0.5	65	92	2,700	56	38[c]	No sheen
	04/08/05		13.11	22.97	1.1	<0.5	<0.5	<0.5	81	6.9	ND	No sheen
	08/10/05		14.20	21.88	14	<0.5	26	22	2,000	27	22[c]	No sheen
	11/05/05		14.79	21.29	9.7	<0.5	54	67	2,300	15	21[c]	No sheen
	01/13/06		13.24	22.84	<0.5	<0.5	<0.5	0.51	52	0.58	ND	No sheen
	05/12/06		12.97	23.11	<0.5	<0.5	<0.5	<0.5	<50	<0.5	90[d], 91[e]	No sheen
	08/13/06		13.83	22.25	0.51	<0.5	0.84	0.51	77	6.1	ND	No sheen
	10/20/06		14.33	21.75	1.1	<0.5	1.8	0.94	100	5.8	6.5[c]	No sheen
	02/12/07		13.73	22.35	<0.5	<0.5	<0.5	4.5	69	4.2	14[e]	No sheen
	04/25/07		14.19	21.89	<0.5	<0.5	<0.5	<0.5	<50	3.5	ND	No sheen
	07/23/07		14.80	21.28	<0.5	<0.5	<0.5	<0.5	<50	2.6	ND	No sheen

APPENDIX C

HISTORICAL GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) [a]	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	03/12/98	32.56	10.93	21.63	320	23	180	720	3,700	190	NA	No sheen
	05/28/98		11.31	21.25	110	6.4	87	300	2,200	220	NA	No sheen
	08/31/98		12.16	20.40	240	23	690	1,900	11,000	<50	NA	No sheen
	11/19/98		11.04	21.52	7.7	<0.5	10	22	280	67	NA	No sheen
	03/15/99		11.81	20.75	<0.5	<0.5	<0.5	1.2	<50	<5.0	NA	No sheen
	06/07/99		12.21	20.35	9.3	0.86	9.7	12	340	<5.0	NA	No sheen
	09/07/99		10.10	22.46	0.76	<0.5	1.9	0.8	72	9.9	NA	No sheen
	12/13/99		13.64	18.92	<0.5	<0.5	<0.5	<0.5	60	<5.0	NA	No sheen
	03/08/00		10.88	21.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.50	20.06	0.9	<0.5	2.7	1.3	640	10	NA	No sheen
	11/15/00		13.60	18.96	<0.5	<0.5	0.69	<0.5	200	12	NA	No sheen
	02/27/01		12.15	20.41	0.61	<0.5	2.2	1.2	360	42	NA	No sheen
	05/22/01		13.20	19.36	0.57	<0.5	2.1	0.61	330	290	NA	No sheen
	09/05/01		13.10	19.46	<2.0	<2.0	<2.0	<2.0	<200	1,100	NA	No sheen
	11/07/01		13.85	18.71	1.0	<1.0	<1.0	<1.0	230	510	NA	No sheen
	02/11/02	34.63	12.98	21.65	<0.5	<0.5	<0.5	<0.5	<50	41	NA	No sheen
	06/03/02		12.48	22.15	<0.5	<0.5	<0.5	<0.5	<50	55	NA	No sheen
	08/06/02		13.16	21.47	<0.5	<0.5	<0.5	<0.5	<50	65	NA	No sheen
	11/14/02		13.15	21.48	<0.5	<0..5	<0.5	<0.5	<50	47	ND	No sheen
	02/20/03		12.46	22.17	<0.5	<0.5	<0.5	<0.5	<50	28	ND	No sheen
	05/15/03		12.26	22.37	<0.5	<0.5	<0.5	<0.5	<50	8.9	ND	No sheen
	07/31/03		12.94	21.69	<0.5	<0.5	<0.5	<0.5	<50	0.85	ND	No sheen
	10/28/03		13.83	20.80	<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	No sheen
	02/28/04		12.59	22.04	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/16/04		13.04	21.59	<0.5	<0.5	<0.5	<0.5	53	<0.5	ND	No sheen
	07/16/04		13.52	21.11	<0.5	<0.5	<0.5	<0.5	56	<0.5	ND	No sheen
	11/13/04		13.68	21.11	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/04/05		13.04	21.59	<0.5	<0.5	<0.5	<0.5	90	<0.5	ND	No sheen
	04/08/05		12.17	22.46	<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen
	08/10/05		13.04	21.59	<0.5	<0.5	0.76	<0.5	260	<0.5	ND	No sheen
	11/05/05		13.55	21.08	<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen
	01/13/06		12.30	22.33	<0.5	<0.5	0.78	<0.5	280	<0.5	ND	No sheen
	05/12/06		5.45	NC	NS	NS	NS	NS	NS	NS	NS	Well Blocked
	08/13/06		12.66	21.97	<0.5	<0.5	1.7	<0.5	1,000	<0.5	ND	No sheen
	10/20/06		13.14	21.49	<0.5	<0.5	0.58	<0.5	490	<0.5	ND	No sheen
	02/12/07		12.73	21.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/25/07		12.95	21.68	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No sheen
	07/23/07		13.54	21.09	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No sheen

a =Referenced to mean sea level.
b =tert-amyl methyl ether
c = tert-butanol
d = methanol
e = ethanol

TPH = Total petroleum hydrocarbons.
MTBE = Methyl tertiary butyl ether.
µg/L = Micrograms per liter.
Oxygenates = methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, 1,2-dichloroethane, 1,2-dibromoethane