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**SITE CONCEPTUAL MODEL UPDATE
THIRD QUARTER 2007**

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

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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 for the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCBSFB), the Alameda County Health Care (ACEH) Agency – Department of Health and the City of San Leandro – Environmental Service Division. This report contains only updates to the Site Conceptual Model Update Second Quarter 2007 report dated 15 August 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](https://portal.haleyaldrich.com/sites/ext/San%20Leandro)).

Laboratory analytical results obtained during this quarterly monitoring event continue to demonstrate plume stability (as indicated mainly by no off-site migration of contaminants and general stability of monitoring parameters). Analytical results and field parameter data also show that subsurface 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 is currently being prepared 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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- A Groundwater Sampling Data Sheets – Quarterly Groundwater Sampling
- B Official Laboratory Reports and Chain of Custody Records – Quarterly Groundwater Samples
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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](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Leandro)). 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 23 July 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 and has not been observed in any project monitoring well since before March 1998. 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 level sensors deployed during the 23 July 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 ozone/air sparging were temporarily 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 BTEX compounds
- MTBE
- other fuel oxygenates

Monitored natural attenuation (MNA) parameters were collected including:

- dissolved oxygen
- redox potential
- pH
- conductivity
- ferrous iron
- total iron
- alkalinity
- carbon dioxide
- total organic carbon

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. MNA results are summarized in Table 2.

5.0 GROUNDWATER RESULTS

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

Groundwater elevation data from 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 23 July 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 trends show a continued decrease 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 pre-systems shutdown. These results suggest that natural processes at the site are operating on their own to remediate the constituents present, and that additional active remediation would be an unnecessary use of resources.

6.0 CONCLUSIONS

Monitoring of groundwater conditions following the shut-down of active remediation has shown a stable plume and continued improvement in conditions, an indication that recent active remediation was having a negligible impact on the site. 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 water quality and that further remedial action is not necessary.

7.0 RECOMMENDATIONS AND PROPOSED ACTIVITIES

Based on our review of the data, we recommend:

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

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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	07/16/04	35.47	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
MW-2	07/16/04	35.11	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
MW-3	07/16/04	34.84	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

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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	07/16/04	35.33	14.16	21.17	46	330	360	2,200	10,000	58	28 ^e	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 ^c	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
MW-5	07/16/04	35.09	13.92	21.17	24	0.85	36	20	2,100	71	46 ^e	No sheen
	11/13/04		14.35	21.17	19	0.55	37	17	1,600	38	59 ^e	No sheen
	02/04/05		13.48	21.61	40	1.40	120	80	4,500	32	43 ^e	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
MW-6	07/16/04	32.74	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 ^c	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

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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	07/16/04	33.64	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	
MW-8	07/16/04	36.08	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	<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	
MW-9	07/16/04	34.63	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

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	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					
MW-2	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					
MW-3	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					

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-4	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
		7.36	0.88	50	714	70.9		0.8			
7.38		0.81	50	719	69.7	0.9					
MW-5	05/12/06	7.28	22.41	173	538	20.0	12	0.0	250	1.90	0.36
	08/13/06	6.90	2.28	79	689	71.8	23	0.0	350	2.5	2.49
		6.86	2.16	75	668	72.7		0.0			
		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					
MW-6	05/12/06	7.02	4.30	53	1079	17.9	160	0.2	510	3.9	<0.1
	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					

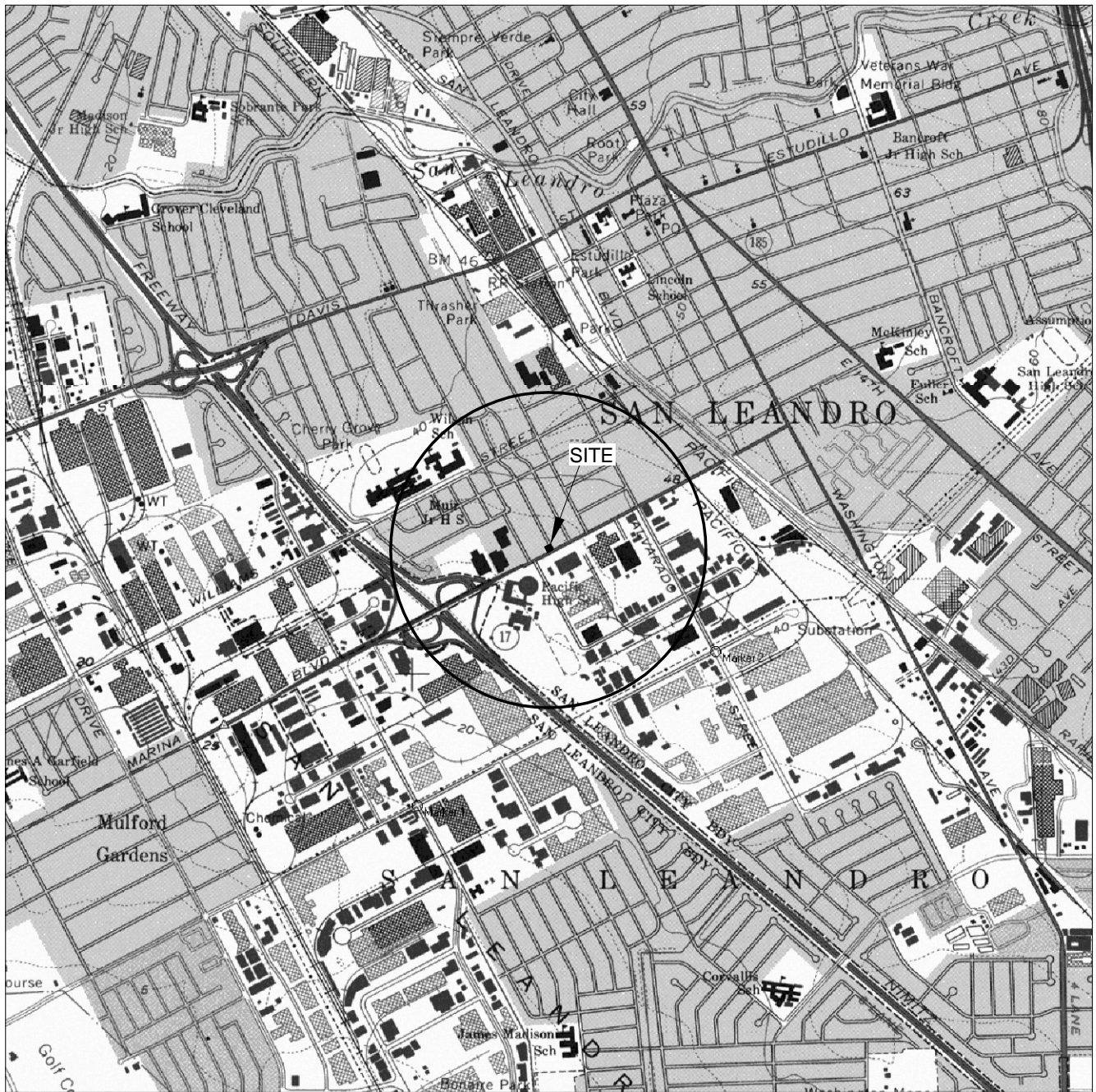
TABLE 2

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	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				
	MW-8	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				
MW-9		05/12/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		08/13/06	7.02	1.50	1.50	413	68.9	21	0.0	180	2.6	4.69
	7.01		1.99	1.99	410	68.9	0.0					
	6.99		2.16	2.16	412	68.9	0.0					
	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				

D.O. = Dissolved Oxygen
ORP = Oxygen Reduction Production
CO₂ = Carbon Dioxide



T.3 S.

R.3 W.

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



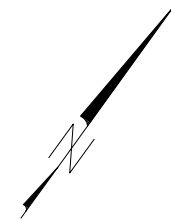
QUADRANGLE LOCATION



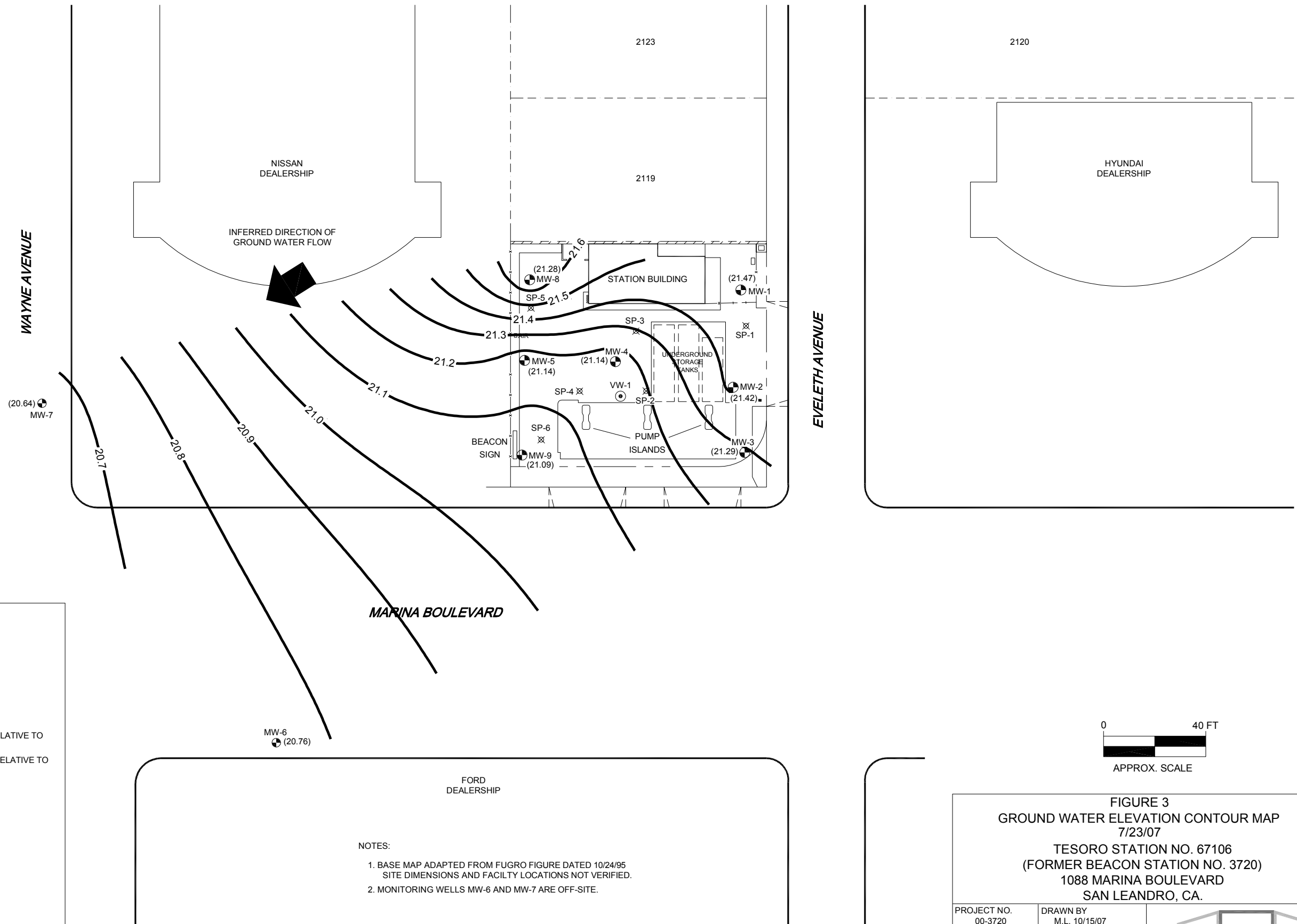
FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 12/18/01
FILE NO. 00-3720-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TIRE
STORE



LEGEND:

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

NOTES:

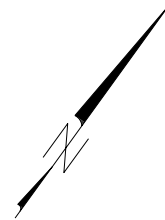
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.



FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
7/23/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 10/15/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S TIRE STORE

WAYNE AVENUE

(<0.5)
MW-7

Date	Benzene
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

NISSAN DEALERSHIP

Date	Benzene
4Q06	1.1
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	Benzene
4Q06	0.76
1Q07	<0.5
2Q07	<0.5
3Q07	0.72

Date	Benzene
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	Benzene
4Q06	2.9
1Q07	<0.5
2Q07	0.83
3Q07	2.6

2123

2120

2119

HYUNDAI DEALERSHIP

Date	Benzene
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	Benzene
4Q06	22
1Q07	24
2Q07	22
3Q07	13

Date	Benzene
4Q06	1.9
1Q07	<0.5
2Q07	<0.5
3Q07	1.4

EVELETH AVENUE

MARINA BOULEVARD

Date	Benzene
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

MW-6 (<0.5)

FORD DEALERSHIP

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.
3. DATA BOXES SHOW THE LAST 4 QUARTERS OF BENZENE CONCENTRATIONS IN ug/L.
4. ACTIVE REMEDIATION WAS SHUT DOWN ON 12 MAY 2006 AND HAS REMAINED OFF TO DATE.

LEGEND:

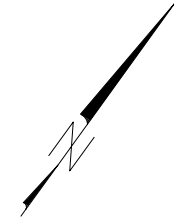
- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (13) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 — BENZENE ISOCONCENTRATION CONTOUR



FIGURE 4
BENZENE ISO-CONCENTRATION MAP
7/23/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 8/15/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S TIRE STORE

WAYNE AVENUE

(<50)
MW-7

Date	TPH as gasoline
4Q06	<50
1Q07	<50
2Q07	<50
3Q07	<50

NISSAN DEALERSHIP

Date	TPH as gasoline
4Q06	100
1Q07	69
2Q07	<50
3Q07	<50

Date	TPH as gasoline
4Q06	320
1Q07	210
2Q07	340
3Q07	700

Date	TPH as gasoline
4Q06	490
1Q07	<50
2Q07	<50
3Q07	<50

Date	TPH as gasoline
4Q06	<50
1Q07	<50
2Q07	<50
3Q07	<50

MW-6 (<50)

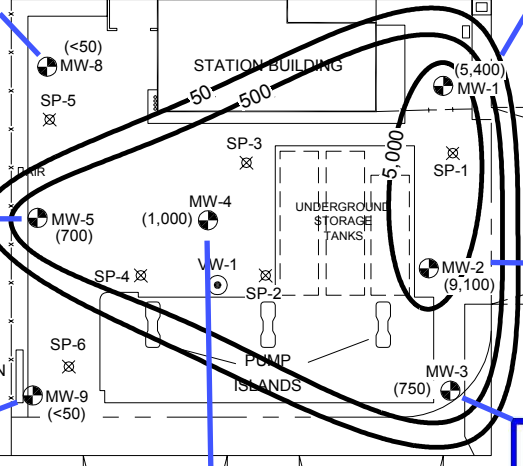
FORD DEALERSHIP

2123

2120

2119

HYUNDAI DEALERSHIP



EVELETH AVENUE

Date	TPH as gasoline
4Q06	1,200
1Q07	990
2Q07	760
3Q07	750

Date	TPH as gasoline
4Q06	5,300
1Q07	3,500
2Q07	3,400
3Q07	5,400

Date	TPH as gasoline
4Q06	8,800
1Q07	7,700
2Q07	9,400
3Q07	9,100

Date	TPH as gasoline
4Q06	1,500
1Q07	150
2Q07	340
3Q07	1,000

LEGEND:

- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (9,100) TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 500 — TPHg ISOCONCENTRATION CONTOUR

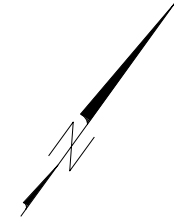
- NOTES:
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
 2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.
 3. DATA BOXES SHOW THE LAST 4 QUARTERS OF TPH as GASOLINE CONCENTRATIONS IN ug/L.
 4. ACTIVE REMEDIATION WAS SHUT DOWN ON 12 MAY 2006 AND HAS REMAINED OFF TO DATE.



FIGURE 5
TPHg ISOCONCENTRATION MAP
 7/23/07

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

PROJECT NO. 00-3720	DRAWN BY M.L. 8/15/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



JOE'S TIRE STORE

WAYNE AVENUE

(<0.5) MW-7

Date	MTBE
4Q06	0.54
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

NISSAN DEALERSHIP

Date	MTBE
4Q06	5.8
1Q07	4.2
2Q07	3.5
3Q07	2.6

Date	MTBE
4Q06	1.40
1Q07	2.80
2Q07	3.70
3Q07	3.20

Date	MTBE
4Q06	<0.5
1Q07	<0.5
2Q07	1.4
3Q07	1.4

Date	MTBE
4Q06	2.7
1Q07	3.1
2Q07	4.8
3Q07	3.0

Date	MTBE
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	MTBE
4Q06	3.1
1Q07	2.5
2Q07	<2.0
3Q07	0.58

Date	MTBE
4Q06	1.6
1Q07	1.2
2Q07	1.4
3Q07	1.1

Date	MTBE
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

MW-6 (<0.5)

MARINA BOULEVARD

FORD DEALERSHIP

2123

2120

2119

HYUNDAI DEALERSHIP

STATION BUILDING

MW-4 (3.0)

MW-5 (3.2)

MW-2 (0.58)

MW-3 (1.1)

MW-8 (2.6)

MW-9 (1.4)

MW-1 (<0.5)

SP-5

SP-3

SP-4

SP-6

BEACON SIGN

SP-1

SP-2

SP-1

UNDERGROUND STORAGE TANKS

PUMP ISLANDS

VW-1

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

MW-7

MW-8

MW-9

LEGEND:

- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (3.2) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 0.5— MTBE ISOCONCENTRATION CONTOUR

NOTES:

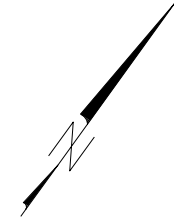
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.
3. DATA BOXES SHOW THE LAST 4 QUARTERS OF MTBE CONCENTRATIONS IN ug/L.
4. ACTIVE REMEDIATION WAS SHUT DOWN ON 12 MAY 2006 AND HAS REMAINED OFF TO DATE.



FIGURE 6
MTBE ISOCONCENTRATION MAP
7/23/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 8/15/07
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JOE'S TIRE STORE

WAYNE AVENUE

(<0.5) MW-7

Date	Total Xylenes
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

NISSAN DEALERSHIP

Date	Total Xylenes
4Q06	0.94
1Q07	4.5
2Q07	<0.5
3Q07	<0.5

Date	Total Xylenes
4Q06	1.1
1Q07	<0.5
2Q07	<0.5
3Q07	0.73

Date	Total Xylenes
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	Total Xylenes
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

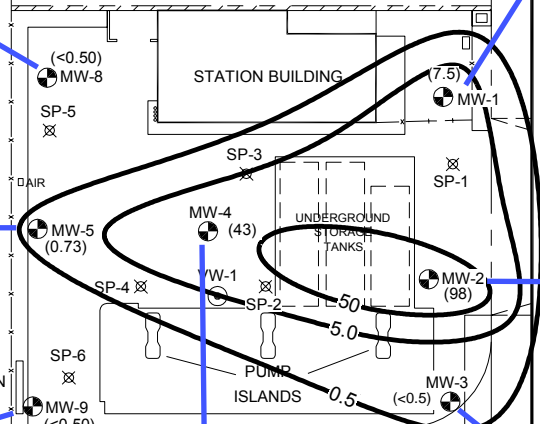
MW-6 (<0.5)

2123

2120

2119

HYUNDAI DEALERSHIP



EVELETH AVENUE

Date	Total Xylenes
4Q06	16
1Q07	2.7
2Q07	3.6
3Q07	7.5

Date	Total Xylenes
4Q06	140
1Q07	110
2Q07	100
3Q07	98

Date	Total Xylenes
4Q06	<0.5
1Q07	<0.5
2Q07	<0.5
3Q07	<0.5

Date	Total Xylenes
4Q06	350
1Q07	3.3
2Q07	26
3Q07	43

MARINA BOULEVARD

FORD DEALERSHIP

LEGEND:

- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (98) 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 FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.
3. DATA BOXES SHOW THE LAST 4 QUARTERS OF XYLENES CONCENTRATIONS IN ug/L.
4. ACTIVE REMEDIATION WAS SHUT DOWN ON 12 MAY 2006 AND HAS REMAINED OFF TO DATE.



FIGURE 7
 XYLENES ISOCONCENTRATION MAP
 7/23/07
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

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Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Samples

Client: Tesoro Sample Data: 7/23/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MN-1
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0817 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark:
 Well cap & locked Yes No Remark: OK line.
 Height of Riser 8"
 Well Box 8" 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 Parastatic

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing

Well Purging

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.36
 Time: 0817 Time: _____ Actual Purge 1.50
 Depth of Well 27.24 Depth to Water _____
 Depth to Water 14.67

Sample

Start Purge 1109 Sample Time 1126

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1113	64.8	7.46	170	1.21	-90	1.2	1
1117	67.4	7.56	168	1.27	-92	1.2	2
1121	64.5	7.50	168	1.28	-96	1.2	3

Sample Appearance Clear. Lock N/A.

Equipment Replacement

Lock N/A Well Cap OK Bolts -1 Box OK

Remarks:

Client: Tesoro Sample Data: 7/23/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: mw-2
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0820 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 2"
 Well Box 8" 12" 24" Type of well box CVI

Purging/Sampling Equipment

Purging -
 2" Disposable Bailer _____ Submersible Pump _____
 2" PVC Bailer _____ Dedicated Bailer _____
 4" PVC Bailers _____ Centrifugal Pump _____
Parastatic X

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.14
 Time: 0820 Time: _____ Actual Purge 1.50
 Depth of Well 22.31 Depth to Water _____
 Depth to Water 13.6A

Sample

Start Purge 1133 Sample Time 1150

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1137	68.9	7.37	194	0.96	-160	1.8	1
1141	68.0	7.28	196	0.94	-163	1.8	2
1145	67.8	7.25	195	1.01	-160	1.8	3

Sample Appearance Clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts 3-1 Box ok

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>7/23/2007</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-3</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	Yes <input checked="" type="radio"/> No <input type="radio"/>	Time: <u>0813</u> hours
Standing water	Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing
Top of well level	Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark: _____
Well cap & locked	Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark: _____
Height of Riser	<u>2"</u>	
Well Box	8" <input checked="" type="radio"/> 24" <input type="radio"/>	Type of well box <u>CN1</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<u>X</u>
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Well Purging

Well Diameter: 2"	<u>X</u>	4"	_____	6"	_____	8"	_____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			

Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge	<u>7.13</u>
Time:	<u>0813</u>	Time:	_____	Actual Purge	<u>1.50</u>
Depth of Well	<u>26.46</u>	Depth to Water	_____		
Depth to Water	<u>13.55</u>		_____		

Sample

Start Purge	<u>1022</u>	Sample Time	<u>1039</u>
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Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1022</u>	<u>68.3</u>	<u>7.71</u>	<u>301</u>	<u>1.07</u>	<u>-154</u>	<u>1.6</u>	<u>1</u>
<u>1030</u>	<u>67.9</u>	<u>7.45</u>	<u>296</u>	<u>1.02</u>	<u>-162</u>	<u>1.6</u>	<u>2</u>
<u>1034</u>	<u>67.3</u>	<u>7.36</u>	<u>295</u>	<u>0.99</u>	<u>-167</u>	<u>1.6</u>	<u>3</u>

Sample Appearance	<u>clear</u>	Lock	<u>ok</u>
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Equipment Replacement

Lock	<u>ok</u>	Well Cap	<u>ok</u>	Bolts	<u>ok</u>	Box	<u>ok</u>
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Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>7/24/2007</u>						
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>						
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>mw-4</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0815</u> hours						
Standing water <input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing						
Top of well level <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Well cap & locked <input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>o/s line</u>						
Height of Riser <u>2'</u>							
Well Box 8" 12" <input checked="" type="radio"/> 24" Type of well box <u>Not marked</u>							
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailer _____	Centrifugal Pump _____						
	<u>Parastatic</u> <input checked="" type="checkbox"/>						
Sampling -							
Disposable Bailer _____	Teflon Bailer _____ Disposable Tubing <input checked="" type="checkbox"/>						
Well Purging							
Well Diameter: 2" <input checked="" type="checkbox"/> 4" _____ 6" _____ 8" _____							
Purge Vol. Multiplier <u>1</u> 0.16 _____ 0.65 _____ 1.47 _____ 2.61 _____							
Initial Measurement _____	Recharge Measurement _____						
Time: <u>0815</u>	Time: _____						
Depth of Well <u>27.45</u>	Depth to Water _____						
Depth to Water <u>14.19</u>							
	Calculated Purge <u>6.36</u>						
	Actual Purge <u>1.50</u>						
Sample							
Start Purge <u>1048</u>	Sample Time <u>1105</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1052</u>	<u>71.8</u>	<u>7.35</u>	<u>707</u>	<u>0.87</u>	<u>42</u>	<u>0.9</u>	<u>1</u>
<u>1056</u>	<u>70.9</u>	<u>7.36</u>	<u>714</u>	<u>0.88</u>	<u>50</u>	<u>0.8</u>	<u>2</u>
<u>1100</u>	<u>69.7</u>	<u>7.38</u>	<u>719</u>	<u>0.81</u>	<u>50</u>	<u>0.9</u>	<u>3</u>
Sample Appearance <u>clear</u>	Lock <u>N/A</u>						
Equipment Replacement							
Lock <u>N/A</u>	Well Cap <u>ok</u>	Bolts <u>-2</u>	Box <u>ok</u>				
Remarks:							

Client: Tesoro Sample Data: 7/13/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: mw-5
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0811 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: o/s line
 Height of Riser 2"
 Well Box 8" 12" (24") Type of well box Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

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

Initial Measurement _____ Recharge Measurement _____ Calculated Purge 7.13
 Time: 0811 Time: _____ Actual Purge 1.50
 Depth of Well 28.80 Depth to Water _____
 Depth to Water 13.95

Sample

Start Purge 0957 Sample Time 1014

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1001</u>	<u>46.4</u>	<u>7.18</u>	<u>961</u>	<u>1.34</u>	<u>85</u>	<u>1.4</u>	<u>1</u>
<u>1005</u>	<u>46.3</u>	<u>7.18</u>	<u>965</u>	<u>1.29</u>	<u>87</u>	<u>1.6</u>	<u>2</u>
<u>1009</u>	<u>46.1</u>	<u>7.18</u>	<u>954</u>	<u>1.24</u>	<u>91</u>	<u>1.6</u>	<u>3</u>

Sample Appearance Clear Lock N/A

Equipment Replacement

Lock N/A Well Cap ok Bolts -4 Box ok

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>7/29/2007</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-L</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0804</u> hours
Standing water	<input checked="" type="radio"/> Yes <input type="radio"/> No	above or <input checked="" type="radio"/> below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>7'</u>	
Well Box	8" <u>13"</u> 24"	Type of well box <u>Pemco</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<u>X</u>
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Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____	
Purge Vol. Multiplier	0.16	0.65	1.47	2.61	
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge	<u>1.38</u>
Time:	<u>0804</u>	Time:	_____	Actual Purge	<u>1.50</u>
Depth of Well	<u>14.56</u>	Depth to Water	_____		
Depth to Water	<u>11.98</u>				

Sample

Start Purge 0842 Sample Time 0855

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0845</u>	<u>67.7</u>	<u>7.09</u>	<u>914</u>	<u>4.55</u>	<u>126</u>	<u>0</u>	<u>1</u>
<u>0849</u>	<u>67.6</u>	<u>7.11</u>	<u>971</u>	<u>4.71</u>	<u>137</u>	<u>0</u>	<u>2</u>
<u>0851</u>	<u>67.6</u>	<u>7.12</u>	<u>976</u>	<u>4.69</u>	<u>132</u>	<u>0</u>	<u>3</u>

Sample Appearance Clear Lock OK

Equipment Replacement

Lock OK Well Cap OK Bolts -3 Box OK

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>7/23/2007</u>						
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>						
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-7</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>05601</u> hours						
Standing water <input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing						
Top of well level <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Well cap & locked <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Height of Riser <u>9"</u>							
Well Box <u>8" (12" 24")</u>	Type of well box <u>Pomero</u>						
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailer _____	Centrifugal Pump _____						
	<u>Parasaltic</u> <u>X</u>						
Sampling -							
Disposable Bailer _____	Teflon Bailer _____	Disposable Tubing <u>X</u>					
Well Purging							
Well Diameter: 2" <u>X</u>	4" _____	6" _____	8" _____				
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement _____	Recharge Measurement _____	Calculated Purge <u>5.98</u>					
Time: <u>05601</u>	Time: _____	Actual Purge <u>1.50</u>					
Depth of Well <u>25.45</u>	Depth to Water _____						
Depth to Water <u>13.00</u>							
Sample							
Start Purge <u>0825</u>	Sample Time <u>0839</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0828</u>	<u>65.8</u>	<u>7.23</u>	<u>444</u>	<u>1.42</u>	<u>46</u>	<u>0</u>	<u>1</u>
<u>0831</u>	<u>65.4</u>	<u>7.18</u>	<u>455</u>	<u>1.49</u>	<u>42</u>	<u>0</u>	<u>2</u>
<u>0834</u>	<u>65.6</u>	<u>7.20</u>	<u>458</u>	<u>1.51</u>	<u>43</u>	<u>0</u>	<u>3</u>
Sample Appearance <u>Clear</u>	Lock <u>OK</u>						
Equipment Replacement							
Lock <u>OK</u>	Well Cap <u>OK</u>	Bolts <u>3</u>	Box <u>OK</u>				
Remarks:							

Client: Tesoro Sample Data: 7/23/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-6
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0809 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 CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 6.36
 Time: 0809 Time: _____ Actual Purge 1.50
 Depth of Well 28.05 Depth to Water _____
 Depth to Water 14.40

Sample

Start Purge 0933 Sample Time 0950

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
0937	64.7	7.21	525	1.31	21	1.5	1
0941	64.4	7.16	526	1.35	26	1.5	2
0945	64.6	7.13	530	1.34	22	1.5	3

Sample Appearance clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts ok Box ok

Remarks:

[Handwritten scribble]

Client: Tesoro Sample Data: 7/23/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-9
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 5:07 hours
 Standing water Yes Yes No above or below casing
 Top of well level Yes No Remark:
 Well cap & locked Yes Yes No Remark: missing lock
 Height of Riser 4"
 Well Box 8" 12" 24" Type of well box Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" _____ 4" X 6" _____ 8" _____
 Purge Vol. Multiplier _____ 0.16 _____ 0.65 _____ 1.47 _____ 2.61 _____
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 21.57
 Time: 5:07 Time: _____ Actual Purge _____
 Depth of Well 24.60 Depth to Water _____
 Depth to Water 13.54

Sample

Start Purge 6:07 Sample Time 6:24

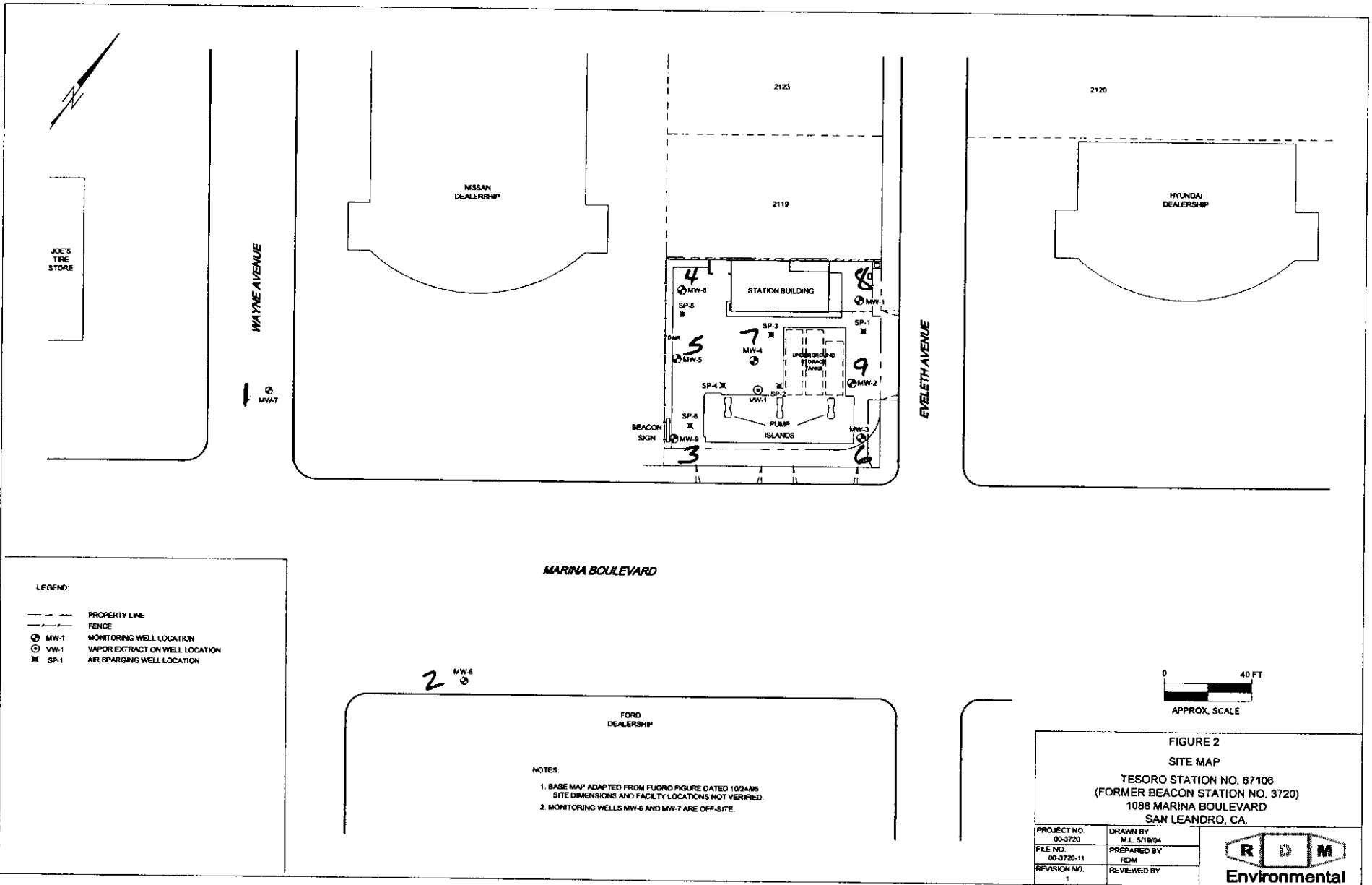
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0911</u>	<u>67.4</u>	<u>7.19</u>	<u>503</u>	<u>1.21</u>	<u>-67</u>	<u>1.6</u>	<u>1</u>
<u>0915</u>	<u>67.6</u>	<u>7.11</u>	<u>504</u>	<u>1.19</u>	<u>-69</u>	<u>1.6</u>	<u>2</u>
<u>0919</u>	<u>67.7</u>	<u>7.10</u>	<u>505</u>	<u>1.23</u>	<u>-70</u>	<u>1.6</u>	<u>3</u>

Sample Appearance clear Lock -1

Equipment Replacement

Lock -1 Well Cap ok Bolts -3 Box ok

Remarks:



JOE'S
TIRE
STORE

WAYNE AVENUE

MW-7

NISSAN
DEALERSHIP

2125

2119

2120

HYUNDAI
DEALERSHIP

STATION BUILDING

underground
storage tank

PUMP
ISLANDS

EYELETH AVENUE

MARINA BOULEVARD

FORD
DEALERSHIP

MW-6

LEGEND:

- PROPERTY LINE
- - - 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 10/24/86. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
 2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 2
SITE MAP
TESORO STATION NO. 67108
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 5/18/04
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



Appendix B

Official Laboratory Analytical Results –
Quarterly Ground Water Samples



Report Number : 57632

Date : 7/27/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

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

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

Sample : MW-1

Matrix : Water

Lab Number : 57632-01

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	0.61	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	24	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	7.5	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	5400	90	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	92.6		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	7/25/2007

Approved By:

Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

Sample : MW-2

Matrix : Water

Lab Number : 57632-02

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	13	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	7.5	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	640	1.5	ug/L	EPA 8260B	7/25/2007
Total Xylenes	98	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	0.58	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	9100	150	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	89.4		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	7/25/2007

Approved By: Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

Sample : MW-3

Matrix : Water

Lab Number : 57632-03

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.4	0.50	ug/L	EPA 8260B	7/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Methyl-t-butyl ether (MTBE)	1.1	0.50	ug/L	EPA 8260B	7/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/26/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/26/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/26/2007
TPH as Gasoline	750	50	ug/L	EPA 8260B	7/26/2007
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	7/26/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	7/26/2007

Approved By:

Joel Kiff

Project Name : **67106**

Project Number : **67106**

Sample : **MW-4**

Matrix : Water

Lab Number : 57632-04

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	2.6	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	4.1	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	42	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	43	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	3.0	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	1000	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	7/25/2007

Approved By:

Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

Sample : MW-5

Matrix : Water

Lab Number : 57632-05

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.72	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	1.4	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	0.73	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	3.2	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	8.9	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	700	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	7/25/2007

Approved By:

Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

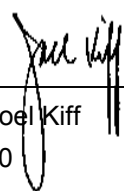
Sample : MW-6

Matrix : Water

Lab Number : 57632-06

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	7/25/2007

Approved By:  Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106

Sample : MW-7

Matrix : Water

Lab Number : 57632-07

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	7/25/2007

Approved By:

Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106


Sample : MW-8

Matrix : Water

Lab Number : 57632-08

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	2.6	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	7/25/2007

Approved By:  Joel Kiff



Report Number : 57632

Date : 7/27/2007

Project Name : 67106

Project Number : 67106


Sample : MW-9

Matrix : Water

Lab Number : 57632-09

Sample Date :7/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	1.4	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	7/25/2007

Approved By:  Joel Kiff

Report Number : 57632

Date : 7/27/2007

QC Report : Method Blank Data

Project Name : **67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/24/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/25/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/25/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/25/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2007
Toluene - d8 (Surr)	100		%	EPA 8260B	7/25/2007
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	7/25/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/26/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/26/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/26/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/26/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	7/26/2007
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	7/26/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	7/24/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	7/24/2007
Methanol	< 50	50	ug/L	EPA 8260B	7/24/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	7/24/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/24/2007
Toluene - d8 (Surr)	97.8		%	EPA 8260B	7/24/2007
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	7/24/2007

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67106

Project Number : 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	57601-01	9.0	40.0	40.1	47.6	47.0	ug/L	EPA 8260B	7/24/07	96.4	94.9	1.54	70-130	25
Toluene	57601-01	0.88	40.0	40.1	40.7	40.5	ug/L	EPA 8260B	7/24/07	99.5	98.9	0.581	70-130	25
Tert-Butanol	57601-01	<5.0	200	200	201	210	ug/L	EPA 8260B	7/24/07	100	105	4.07	70-130	25
Methyl-t-Butyl Ether	57601-01	2.7	40.0	40.1	42.5	43.7	ug/L	EPA 8260B	7/24/07	99.5	102	2.72	70-130	25
Benzene	57027-04	<0.50	40.0	40.0	40.5	39.4	ug/L	EPA 8260B	7/25/07	101	98.5	2.71	70-130	25
Toluene	57027-04	<0.50	40.0	40.0	40.5	39.4	ug/L	EPA 8260B	7/25/07	101	98.5	2.66	70-130	25
Tert-Butanol	57027-04	<5.0	200	200	212	208	ug/L	EPA 8260B	7/25/07	106	104	2.05	70-130	25
Methyl-t-Butyl Ether	57027-04	<0.50	40.0	40.0	41.9	40.5	ug/L	EPA 8260B	7/25/07	105	101	3.44	70-130	25
Benzene	57670-04	<0.50	40.0	40.0	41.0	39.6	ug/L	EPA 8260B	7/26/07	102	99.0	3.31	70-130	25
Toluene	57670-04	<0.50	40.0	40.0	41.0	39.9	ug/L	EPA 8260B	7/26/07	102	99.8	2.74	70-130	25
Tert-Butanol	57670-04	<5.0	200	200	210	205	ug/L	EPA 8260B	7/26/07	105	103	2.14	70-130	25
Methyl-t-Butyl Ether	57670-04	<0.50	40.0	40.0	40.9	40.3	ug/L	EPA 8260B	7/26/07	102	101	1.58	70-130	25
Benzene	57615-05	<0.50	40.0	40.0	44.1	43.0	ug/L	EPA 8260B	7/24/07	110	108	2.45	70-130	25
Toluene	57615-05	<0.50	40.0	40.0	42.4	41.4	ug/L	EPA 8260B	7/24/07	106	103	2.53	70-130	25
Tert-Butanol	57615-05	<5.0	200	200	218	212	ug/L	EPA 8260B	7/24/07	109	106	2.84	70-130	25
Methyl-t-Butyl Ether	57615-05	<0.50	40.0	40.0	42.8	42.2	ug/L	EPA 8260B	7/24/07	107	106	1.30	70-130	25

Approved By: Joel Kiff



KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)Project Name : **67106**Project Number : **67106**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/24/07	106	70-130
Toluene	40.0	ug/L	EPA 8260B	7/24/07	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/24/07	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/24/07	98.6	70-130
Benzene	40.0	ug/L	EPA 8260B	7/25/07	98.2	70-130
Toluene	40.0	ug/L	EPA 8260B	7/25/07	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/25/07	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/25/07	97.4	70-130
Benzene	40.0	ug/L	EPA 8260B	7/26/07	97.9	70-130
Toluene	40.0	ug/L	EPA 8260B	7/26/07	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/26/07	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/26/07	102	70-130
Benzene	40.0	ug/L	EPA 8260B	7/24/07	110	70-130
Toluene	40.0	ug/L	EPA 8260B	7/24/07	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/24/07	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/24/07	104	70-130

KIFF ANALYTICAL, LLC

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

Approved By:



 Joel Kiff



Analysis Summary

Report Number : 57632

Date : 7/27/2007

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

Project Name :67106
 Project Number : 67106

Sample Name			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
Sample Date			7/23/2007		7/23/2007		7/23/2007		7/23/2007		7/23/2007		7/23/2007		7/23/2007		7/23/2007	
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	0.50	13	0.50	1.4	0.50	2.6	0.50	0.72	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	0.61	0.50	7.5	0.50	ND	0.50	4.1	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	24	1.5	640	0.50	ND	0.50	42	0.50	1.4	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	7.5	0.50	98	0.50	ND	0.50	43	0.50	0.73	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	0.50	0.58	0.50	1.1	0.50	3.0	0.50	3.2	0.50	ND	0.50	ND	0.50	2.6
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	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	0.50	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	0.50	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	5.0	ND	5.0	ND	5.0	ND	5.0	8.9	5.0	ND	5.0	ND	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND	5.0	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	90	5400	150	9100	50	750	50	1000	50	700	50	ND	50	ND	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		92.6		89.4		99.2		99.3		97.7		99.0		98.5		97.8
4-Bromofluorobenzene (Surr)	EPA 8260B	%		105		106		105		105		104		104		102		104

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236



Analysis Summary

Report Number : 57632

Date : 7/27/2007

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

Project Name :67106
Project Number : 67106

Sample Name		MW-9		
Sample Date		7/23/2007		
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	1.4
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	ND
Toluene - d8 (Surr)	EPA 8260B	%		98.4
4-Bromofluorobenzene (Surr)	EPA 8260B	%		104

MRL = Method Reporting Limit
ND = Not Detected

Approved By,



Joel Kiff

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 31, 2007

CLS Work Order #: CQG0797
COC #: 57632

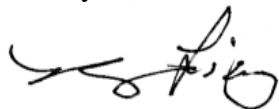
Troy Turpen
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

Project Name: 67106

Enclosed are the results of analyses for samples received by the laboratory on 07/24/07 12:45. 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: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CQG0797-01) Water Sampled: 07/23/07 11:26 Received: 07/24/07 12:45									
Total Alkalinity	74	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	74	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	15	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	4.3	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-2 (CQG0797-02) Water Sampled: 07/23/07 11:50 Received: 07/24/07 12:45									
Total Alkalinity	84	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	84	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	17	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	9.0	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-3 (CQG0797-03) Water Sampled: 07/23/07 10:39 Received: 07/24/07 12:45									
Total Alkalinity	130	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	130	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	25	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	6.3	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-4 (CQG0797-04) Water Sampled: 07/23/07 11:05 Received: 07/24/07 12:45									
Total Alkalinity	350	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	350	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	82	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	12	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (CQG0797-05) Water Sampled: 07/23/07 10:14 Received: 07/24/07 12:45									
Total Alkalinity	560	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	560	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	100	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	16	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-6 (CQG0797-06) Water Sampled: 07/23/07 08:55 Received: 07/24/07 12:45									
Total Alkalinity	470	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	470	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	78	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	12	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-7 (CQG0797-07) Water Sampled: 07/23/07 08:39 Received: 07/24/07 12:45									
Total Alkalinity	170	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	170	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	40	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	2.8	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	
MW-8 (CQG0797-08) Water Sampled: 07/23/07 09:50 Received: 07/24/07 12:45									
Total Alkalinity	260	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	260	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	82	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	4.2	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (CQG0797-09) Water Sampled: 07/23/07 09:24 Received: 07/24/07 12:45									
Total Alkalinity	260	5.0	mg/L	1	CQ06167	07/25/07	07/25/07	SM2310B	
Bicarbonate as CaCO3	260	5.0	"	"	"	"	"	"	
Carbonate as CaCO3	ND	5.0	"	"	"	"	"	"	
Hydroxide as CaCO3	ND	5.0	"	"	"	"	"	"	
Carbon Dioxide as CO2	29	5.0	"	"	CQ06144	07/24/07	07/24/07	SM 4500C	
Total Organic Carbon	4.7	1.0	"	"	CQ06158	07/25/07	07/26/07	SM5310B	

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CQG0797-01) Water Sampled: 07/23/07 11:26 Received: 07/24/07 12:45									
Iron	2700	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-2 (CQG0797-02) Water Sampled: 07/23/07 11:50 Received: 07/24/07 12:45									
Iron	1200	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-3 (CQG0797-03) Water Sampled: 07/23/07 10:39 Received: 07/24/07 12:45									
Iron	1100	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-4 (CQG0797-04) Water Sampled: 07/23/07 11:05 Received: 07/24/07 12:45									
Iron	1400	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-5 (CQG0797-05) Water Sampled: 07/23/07 10:14 Received: 07/24/07 12:45									
Iron	600	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-6 (CQG0797-06) Water Sampled: 07/23/07 08:55 Received: 07/24/07 12:45									
Iron	ND	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-7 (CQG0797-07) Water Sampled: 07/23/07 08:39 Received: 07/24/07 12:45									
Iron	ND	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-8 (CQG0797-08) Water Sampled: 07/23/07 09:50 Received: 07/24/07 12:45									
Iron	290	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	
MW-9 (CQG0797-09) Water Sampled: 07/23/07 09:24 Received: 07/24/07 12:45									
Iron	1600	100	µg/L	1	CQ06163	07/25/07	07/25/07	EPA 200.7	

CALIFORNIA LABORATORY SERVICES

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KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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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
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Batch CQ06144 - General Preparation

Blank (CQ06144-BLK1)				Prepared & Analyzed: 07/24/07						
Carbon Dioxide as CO2	ND	5.0	mg/L							

Batch CQ06158 - General Preparation

Blank (CQ06158-BLK1)				Prepared: 07/25/07 Analyzed: 07/26/07						
Total Organic Carbon	ND	1.0	mg/L							

LCS (CQ06158-BS1)				Prepared: 07/25/07 Analyzed: 07/26/07						
Total Organic Carbon	8.94	1.0	mg/L	10.0		89.4	75-125			

LCS Dup (CQ06158-BSD1)				Prepared: 07/25/07 Analyzed: 07/26/07						
Total Organic Carbon	9.14	1.0	mg/L	10.0		91.4	75-125	2.22	25	

Matrix Spike (CQ06158-MS1)				Source: CQG0797-02 Prepared: 07/25/07 Analyzed: 07/26/07						
Total Organic Carbon	19.5	1.0	mg/L	10.0	9.05	104	75-125			

Matrix Spike Dup (CQ06158-MSD1)				Source: CQG0797-02 Prepared: 07/25/07 Analyzed: 07/26/07						
Total Organic Carbon	20.0	1.0	mg/L	10.0	9.05	109	75-125	2.59	25	

Batch CQ06167 - General Preparation

Blank (CQ06167-BLK1)				Prepared & Analyzed: 07/25/07						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67106 Project Number: 67106 Project Manager: Troy Turpen	CLS Work Order #: CQG0797 COC #: 57632
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Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CQ06163 - EPA 3010A										
Blank (CQ06163-BLK1) Prepared & Analyzed: 07/25/07										
Iron	ND	100	µg/L							
LCS (CQ06163-BS1) Prepared & Analyzed: 07/25/07										
Iron	1080	100	µg/L	1000		108	80-120			
LCS Dup (CQ06163-BSD1) Prepared & Analyzed: 07/25/07										
Iron	1080	100	µg/L	1000		108	80-120	0.557	20	
Matrix Spike (CQ06163-MS1) Source: CQG0795-01 Prepared & Analyzed: 07/25/07										
Iron	1090	100	µg/L	1000	73.7	101	75-125			
Matrix Spike Dup (CQ06163-MSD1) Source: CQG0795-01 Prepared & Analyzed: 07/25/07										
Iron	1080	100	µg/L	1000	73.7	100	75-125	0.923	25	

CALIFORNIA LABORATORY SERVICES

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

Project: 67106
Project Number: 67106
Project Manager: Troy Turpen

CLS Work Order #: CQG0797
COC #: 57632

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

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 ^c	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			

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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	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	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				

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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-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	NS	NA	Tank Over Well
	05/22/01		NM	NC	NS	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			

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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-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	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