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**SITE CONCEPTUAL MODEL UPDATE
FIRST 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 Fourth Quarter 2006 report dated 15 February 2006 (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>).

Currently, the groundwater flow is toward the southwest, which is consistent with recent monitoring events, and consistent with historical groundwater flow direction. Total Petroleum Hydrocarbons as gasoline (TPH-G) are currently detected in wells MW-1 through MW-5 at concentrations greater than the environmental screening level (ESL) for groundwater that is a current or potential drinking water resource. Benzene, Ethylbenzene and Total Xylenes are currently detected in well MW-2 at concentrations greater than the drinking water resource ESL. All other on-site and off-site wells are either non-detect (ND) or have concentrations below the drinking water resource ESLs for TPH-G, BTEX, MTBE or other fuel oxygenates.

Based on a leveling off of treatment system performance and indications that laboratory analytical results may be biased low because many of the on-site wells were either vapor extraction or ozone injection points, it was proposed in 1Q2006 to temporarily suspend active remediation to allow an assessment of site rebound and equilibrium concentrations for a minimum six month period. This approach was agreed to by ACEH (letter dated 11 April 2006) and all active remediation systems were shutdown on 12 May 2006. To date, laboratory analytical data indicate a relatively low rebound of gasoline constituent concentrations, which one would expect with the temporary cessation of active remediation. The relatively low post-shutdown concentrations suggest that only a minimal amount of petroleum compounds remain as residuals in the subsurface. It is important to note that current contaminant concentrations are at or below values observed at the time of systems shut down (May 2006), demonstrating that natural processes have attenuated the slight contaminant rebound observed in the post 3 month shutdown samples.

In summary, based on Third and Fourth Quarters 2006 and First Quarter 2007 observations, while the subsurface may not yet be at equilibrium, the plume itself appears to be stable. Additional site data demonstrating equilibrium conditions (including both MNA and petroleum compounds) is needed to complete site assessment activities; therefore Tesoro has requested and received verbal approval from ACEH to extend the temporary suspension of active remediation until at least the Third Quarter of 2007 to continue to allow the site to stabilize and to complete a year's worth (a full four seasons) of post-shutdown evaluation data. That data will then be utilized to develop a revised site management strategy.

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1.0 INTRODUCTION

This Site Conceptual Model (SCM) Update Report 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 contains only updates to the previously submitted documents. The most recently prepared project reports and standard project reference materials consistently contained in quarterly reports submitted to the CRWQCBSFB (e.g., site background, local groundwater use, site geology and hydrogeology, general field procedures, previous work, remedial system descriptions) 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_Leandro)), a project data portal and collaborative resource that is currently available to all members of the project team and interested stakeholders.

After collection of the 2Q2006 groundwater samples (12 May 2006) all active remediation systems (i.e., ozone/air sparging and soil vapor extraction) were shutdown. The temporary suspension of active remediation for a 6+ month period was agreed to in the Alameda County Health Care Services (ACEH) letter dated 11 April 2006; this approach would have allowed for an assessment of site rebound and equilibrium contaminant concentrations. Baseline groundwater samples were collected, from all monitoring wells, immediately prior to shutdown on 12 May 2006 and sampled again after 3 months of inactivity (13 August 2006), and again after 6 months of inactivity (20 October 2006). This quarterly report summarizes the results from the fourth planned sampling event, completed on 2 February 2007, after 9 months of inactivity.

Site wells that had been previously used for active remediation (i.e., ozone/air sparging or soil vapor extraction) demonstrated, in general, a decrease in contaminant levels when compared to sample results from the 4Q2006 sampling event. Total Petroleum Hydrocarbons as gasoline (TPH-G) are currently detected in wells MW-1 through MW-5 at concentrations greater than the environmental screening level (ESL) for groundwater that is a current or potential drinking water resource. Benzene, Ethylbenzene and Total Xylenes are currently detected in well MW-2 at concentrations greater than the drinking water resource ESL. All other on-site and off-site wells are either non-detect (ND) or have concentrations below the drinking water resource ESLs for TPH-G, BTEX, MTBE or other fuel oxygenates.

2.0 SITE BACKGROUND

Site Description and Groundwater Use 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_Leandro)).

3.0 ENVIRONMENTAL SETTING

Descriptions of the site geologic and hydrogeologic conditions 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.

4.0 SITE ASSESSMENT ACTIVITIES

No supplemental site assessment activities were performed during the reporting period. A summary of previous work conducted at the site is 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)).

5.0 QUARTERLY GROUNDWATER MONITORING AND SAMPLING

5.1 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

On 12 February 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 are presented in Table 1.

Data used to prepare the groundwater elevation contour maps were obtained from fluid level sensors deployed during the 12 February 2007 sampling event. Groundwater elevation data are summarized in Table 1. The groundwater elevation contour map, using data obtained during the 12 February 2007 sampling event, is shown in Figure 3 and indicates that groundwater direction is predominately to the southwest.

5.2 LABORATORY ANALYSIS

Groundwater samples collected during this sampling event were analyzed by a State-certified laboratory, for total petroleum hydrocarbons as gasoline (TPH-G) using the Department of Health Services Leaking Underground Fuel Tank (DHS LUFT) Method, and volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, total xylenes (BTEX), MTBE, and other fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B.

Additional samples were collected for the analysis of monitored natural attenuation (MNA) parameters (including: dissolved oxygen, redox potential, pH, conductivity, ferrous iron, total iron, alkalinity, carbon dioxide, total organic carbon) from all wells using low flow sampling methods. MNA parameter results are summarized in Table 2. These parameters were collected to determine typical subsurface conditions during periods of inactive remediation to assess equilibrium conditions and potential rebound effects when compared to subsurface conditions from samples collected during periods of active remediation.

Historical and quarterly results of laboratory analysis of groundwater samples (including First Quarter 2007) are presented in Table 1. Dissolved-phase Benzene, TPH-G, MTBE and total Xylenes iso-concentration maps are shown on Figures 4, 5, 6, and 7, respectively. Copies of the official laboratory reports and chain of custody records for the First Quarter 2007 quarterly groundwater sampling event are

included in Appendix B. In addition, field data sheets from the quarterly monitoring and sampling event are included in Appendix A.

5.3 FINDINGS

On 12 February 2007, groundwater was measured at depths between 11.22 feet and 13.73 feet bgs. Based on previous groundwater elevation data, the groundwater elevation has risen, following decreases in the last two quarters, across the site. Annual groundwater fluctuations in recent years have ranged 2-3 feet and elevation highs have generally occurred between the months of February and May. Therefore the increase observed during this quarter is likely due to seasonal variability. Groundwater flow beneath the site is to the southwest under a hydraulic gradient of less than 0.05 foot per foot; similar to previous quarters. Groundwater monitoring data are presented in Tables 1 and 2, and the groundwater elevation contour map is shown on Figure 3.

Results of laboratory analysis of groundwater samples collected on 12 February 2007, from wells MW-1 through MW-9 are summarized in Table 1 and indicate the following:

- Benzene was detected in a groundwater sample collected from well MW-2 at a concentration of 24 ug/L (ESL of 1 ug/L). All other wells were ND (<0.5 ug/L).
- Toluene was not observed in any groundwater samples at a concentration greater than the groundwater ESL of 40 ug/L. Wells MW-2 and MW-4 showed Toluene detections of 8.5 ug/L and 0.58 ug/L, respectively; all other wells were ND (<0.5 ug/L). Results demonstrate continued Toluene attenuation in MW-2 and MW-4 has occurred during the approximate 1 year following active remediation system shutdown.
- Ethylbenzene was detected in a groundwater sample collected from well MW-2 at a concentration of 450 ug/L, a significant decrease in concentration when compared to results obtained prior to systems shutdown. All other wells were ND (<0.5 ug/L) or less than the groundwater ESL of 30 ug/L.
- Total Xylenes were also detected in a groundwater sample collected from well MW-2 at a concentration of 110 ug/L, significantly lower (68%) than concentrations observed during the previous year of active remediation. All other wells were ND (<0.5 ug/L) or less than the groundwater ESL of 20 ug/L.
- All wells were ND (<0.5 ug/L) for MTBE or less than the groundwater ESL of 5 ug/L.
- TPH-G was detected in groundwater samples collected from wells MW-1 through MW-5 at concentrations ranging from 150 ug/L to 7,700 ug/L (ESL of 100 ug/L). Wells MW-6 through MW-9 were ND (<50 ug/L) or less than the groundwater ESL of 100 ug/L. A comparison of the current quarter to data from data obtained from the previous year of active remediation shows that concentrations of TPH-g significantly improved, with one exception (MW-2, statistically no change), suggesting that natural processes are actively attenuating site contaminants.

Results of field MNA parameter analysis of groundwater samples collected on 12 February 2007, from wells MW-1 through MW-9 are summarized in Table 2 and indicate the following:

- Dissolved oxygen (DO) concentrations and ORP values continue to fluctuate in all monitoring and may be related to seasonal variability or sampling inaccuracies.

- MNA parameters do not suggest the presence of large amounts of residual source. Specifically, ORP values are not significantly negative and groundwater shows the presence of measurable dissolved oxygen, as expected when large amounts of source are present, and dissolved CO₂ values have only decreased moderately.
- Other MNA parameters have also not stabilized further supporting the assessment that the site has not yet achieved equilibrium conditions.

The changes observed in both the MNA and groundwater monitoring parameters indicate that the site is returning to but may not have yet achieved equilibrium conditions. The groundwater monitoring analytical trends show a continued decrease in site contaminants even though active remediation (i.e., ozone sparging and soil vapor extraction) were temporarily suspended approximately 1 year ago. Comparing compound concentrations during the year of inactive remediation to data collected during active remediation (prior to May 2006) show that contaminant concentrations have continued to decline at a rate equal to or better than those observed pre-systems shutdown. These results strongly suggest that natural processes at the site may be operating on their own to remediate the constituents present, and that active remediation may be an unnecessary use of resources at this site.

6.0 SITE CONCEPTUAL MODEL OVERVIEW AND UPDATE

Currently, the groundwater flow is toward the southwest, which is consistent with recent monitoring events, and consistent with the previous SCM for the site. During the Second Quarter 2006 active remediation was temporarily suspended to conduct an assessment of site rebound and conditions under equilibrium conditions.

7.0 QUARTERLY REMEDIAL PROGRESS OF SOIL VAPOR EXTRACTION SYSTEM

7.1 OPERATIONS UPDATE

Active SVE remediation was temporarily suspended on 12 May 2006 and has remained off to conduct an assessment of site rebound and conditions under equilibrium conditions.

8.0 QUARTERLY REMEDIAL PROGRESS OF GROUNDWATER TREATMENT SYSTEM

8.1 OPERATIONS UPDATE

Active ozone/air sparging was temporarily suspended on 12 May 2006 and has remained off to conduct an assessment of site rebound and conditions under equilibrium conditions (i.e., stable DO and ORP readings).

9.0 PROPOSED WORK ACTIVITIES

RDM, Haley & Aldrich, and Tesoro propose the following work activities for the Second Quarter of 2007:

- Regularly scheduled monitoring of water levels in key wells within the monitoring network to provide groundwater flow gradient and direction data.

- Continue quarterly groundwater compliance reporting under this new reporting format, including updates to the SCM as appropriate.
- Based on the preliminary assessment (analytical results from groundwater samples collected 13 August 2006, 20 October 2006 and 12 February 2007), Tesoro requested and received verbal approval from ACEH to extend the temporary suspension of active remediation until at least the Third Quarter of 2007. Extending the temporary suspension period will provide insight with respect to the following:
 - Site equilibrium conditions and seasonal variability with respect to TPH-G, BTEX, MTBE concentrations and MNA parameter values. Data will provide a more thorough understanding of equilibrium plume dynamics.
 - Whether equilibrium plume conditions are appropriate for continuation of the historical remedial approach (i.e., SVE, air/ozone injection) or if alternative approaches should be considered.
 - On-site groundwater quality through a full year (four full seasons) following system shut-down. Specifically, when groundwater levels return to seasonal highs; typically observed in February – April.
 - The static water levels in key wells within the monitoring network to determine groundwater flow gradient and direction while the system is at equilibrium.
- Use laboratory and field data to assess whether the site has achieved equilibrium conditions or if another period of monitoring is required.
- If the Second Quarter 2007 data suggest that the current trend of attenuation without active remediation is continuing (indicating there is no benefit from running these systems), investigate alternative and more cost-effective approaches for achieving site closure conditions.
- Schedule a meeting with Stakeholders to discuss data obtained during the year of inactive remediation and discuss possible alternative site closure approaches.

11.0

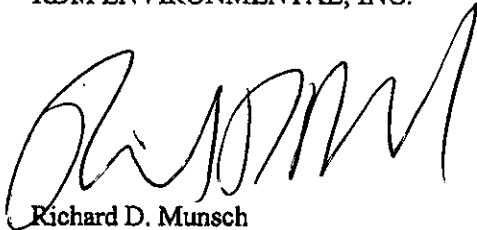
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

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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HALEY & ALDRICH OF NEW YORK



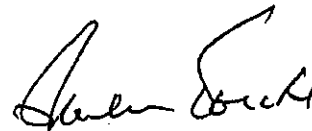
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12.0 REFERENCES

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	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	<2.0	<2.0	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			

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
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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-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		

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-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 ^c	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 ^c	No sheen			

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-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		

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-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 ^c	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			

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-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			

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-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				

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-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			

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-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		

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				
	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				
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				
	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				

TABLE 2

MNA MONITORING

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

Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO ₂ (ppm)	Ferrous Iron (Fe ⁺²)	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)
MW-5	05/12/06	7.28	22.41	173	538	20.0	12	0.0	250	1.90	0.36
	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			
	MW-6	05/12/06	7.02	4.30	53	1079	17.9	160	0.2	510	3.9
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			

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				
	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				
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				

a =Referenced to mean sea level.

b =tert-amyl methyl ether

c = tert-butanol

d = methanol

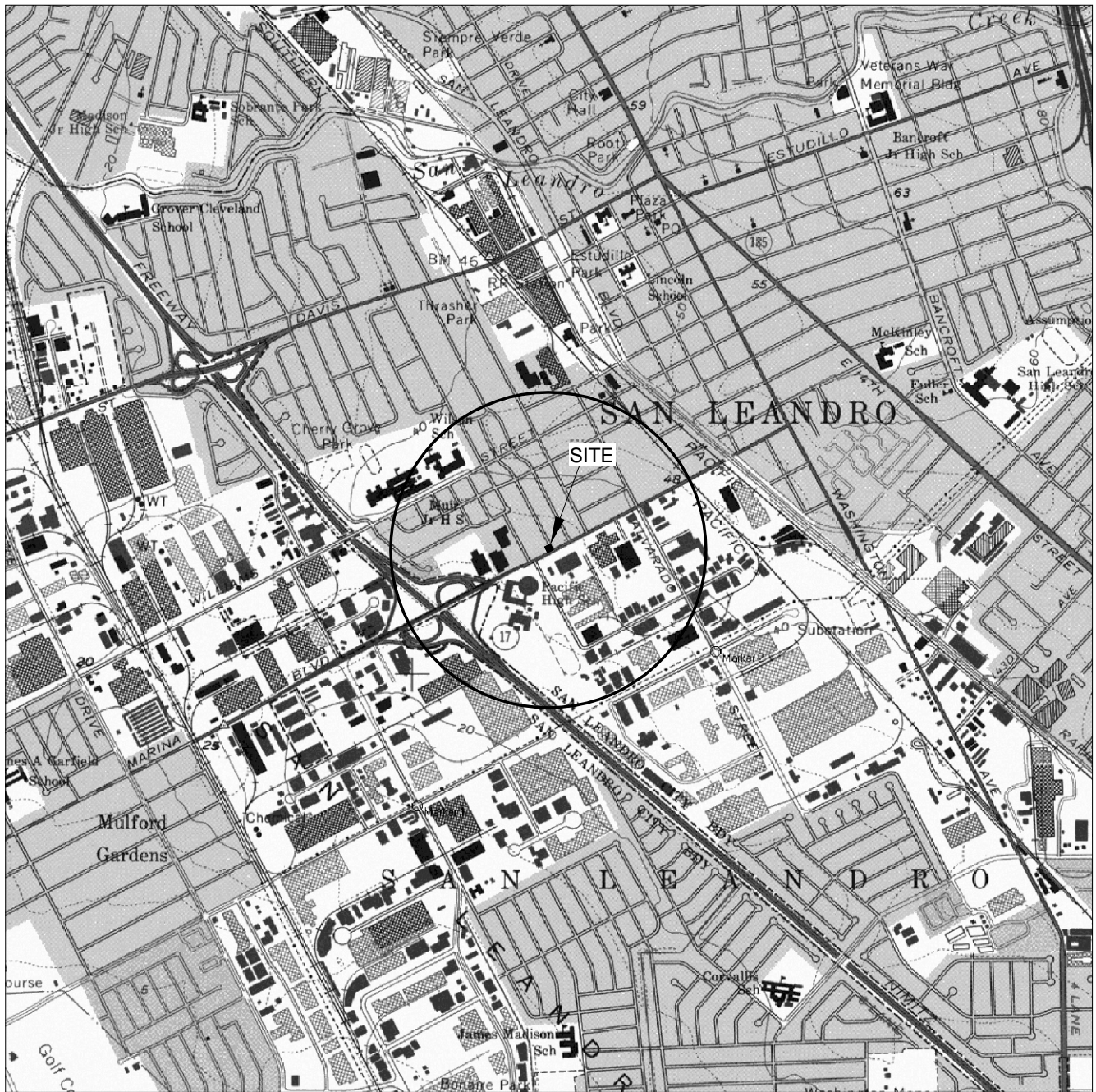
e = ethanol

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



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

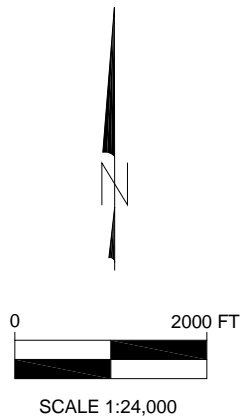
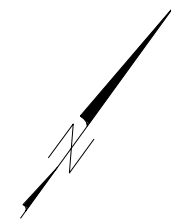


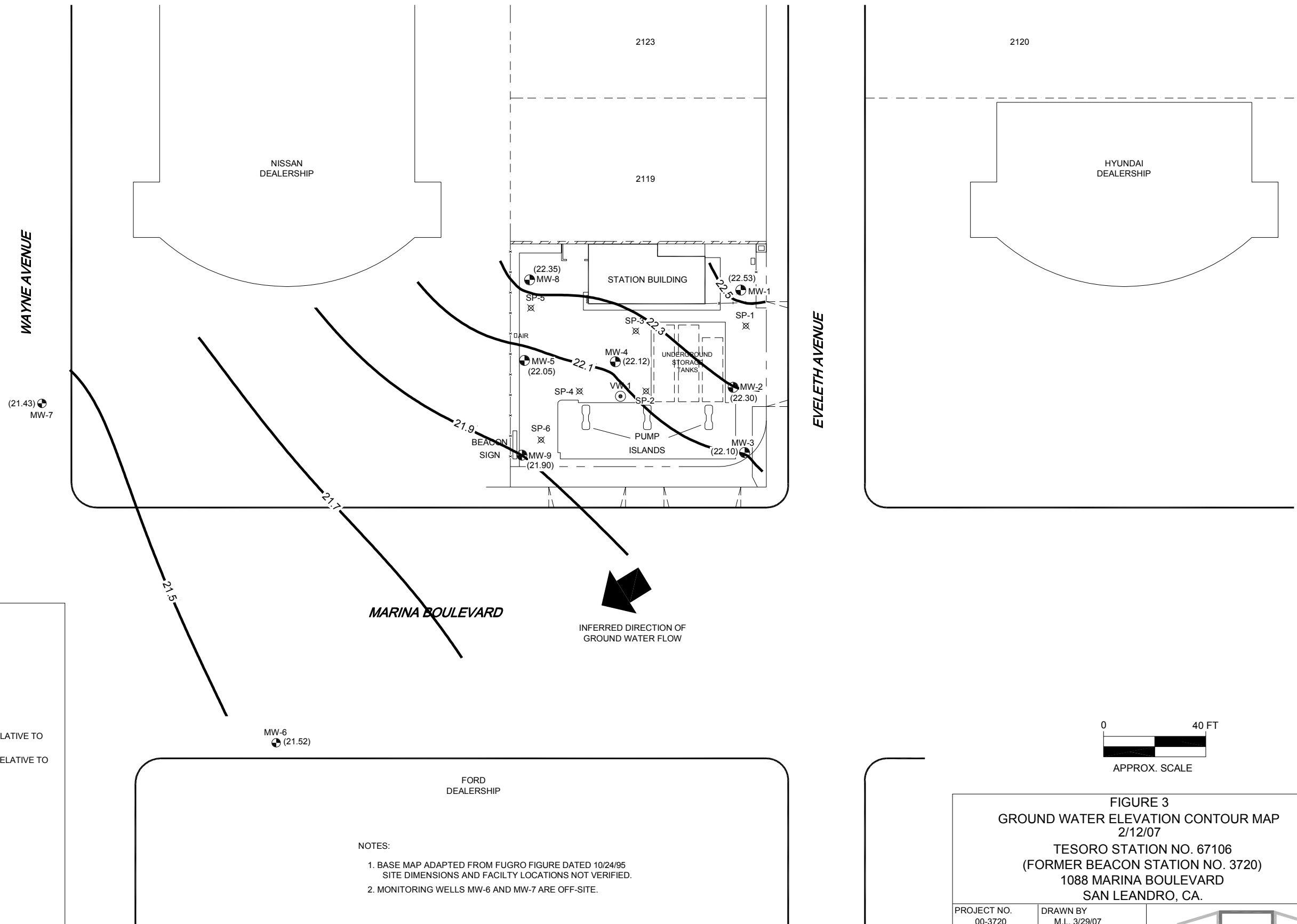
FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

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
- (22.53) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- 21.9 — WATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

NOTES:

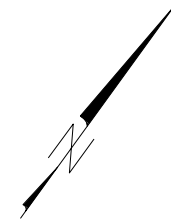
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.



FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
2/12/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 3/29/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





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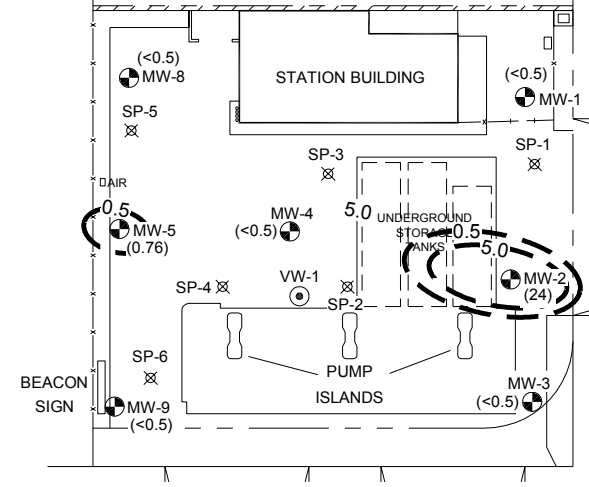
WAYNE AVENUE

(<0.5)
MW-7

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

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.

LEGEND:

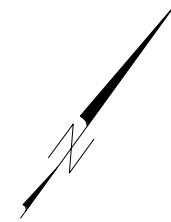
- — — — — PROPERTY LINE
- x — x — FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (24) BENZENE CONCENTRATION IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
- 5.0 — BENZENE ISOCONCENTRATION CONTOUR



FIGURE 4
 BENZENE ISO-CONCENTRATION MAP
 2/12/07
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 3/29/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TIRE
STORE

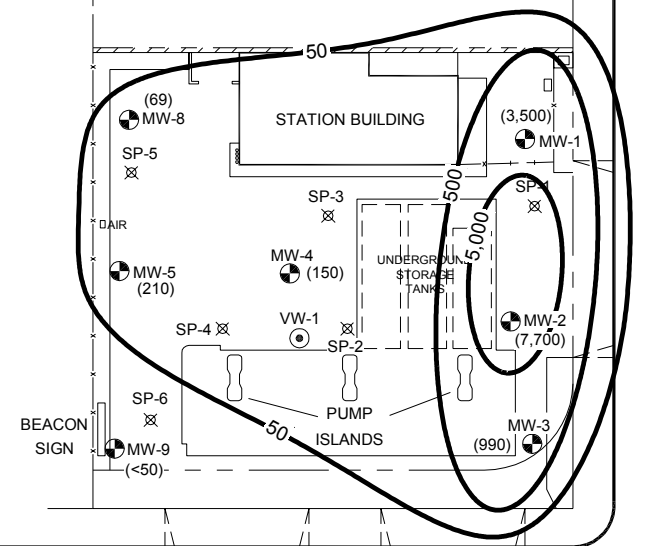
WAYNE AVENUE

MW-7
(<50)

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6
(<50)

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.

LEGEND:

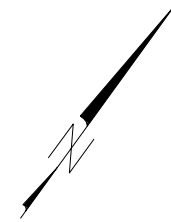
- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (7,700) TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 500 — TPHg ISOCONCENTRATION CONTOUR



FIGURE 5
TPHg ISOCONCENTRATION MAP
2/12/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 3/29/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TIRE
STORE

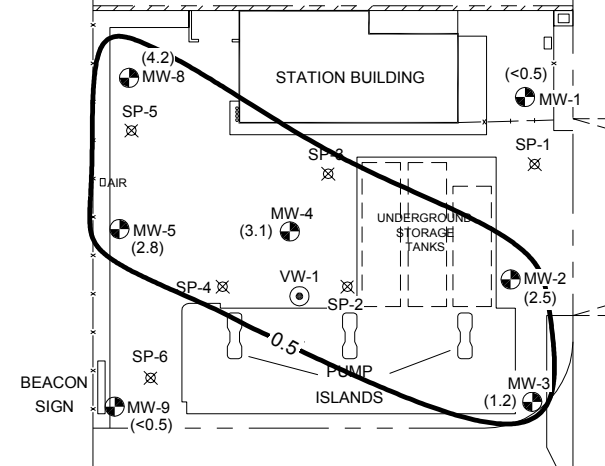
WAYNE AVENUE

MW-7
(0.63) 0.5

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

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.

LEGEND:

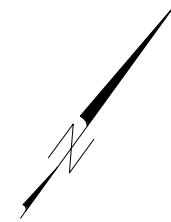
- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (4.2) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 0.5— MTBE ISOCONCENTRATION CONTOUR



FIGURE 6
MTBE ISOCONCENTRATION MAP
2/12/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 3/29/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TIRE
STORE

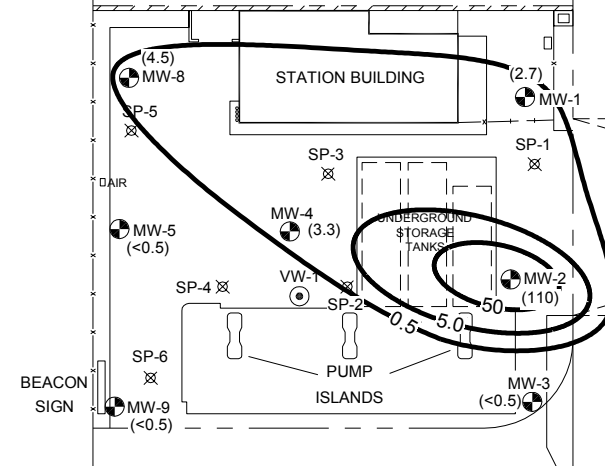
WAYNE AVENUE

(<0.5)
MW-7

NISSAN
DEALERSHIP

2123

2119



2120

HYUNDAI
DEALERSHIP

EVELETH AVENUE

MARINA BOULEVARD

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.



APPROX. SCALE

LEGEND:

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

FIGURE 7
XYLENES ISOCONCENTRATION MAP
2/12/07
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 3/29/07
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Samples

Client: Tesoro Sample Data: 2/12/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-1
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 09:50 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark:
 Well cap & locked Yes No Remark: Crown storage well
 Height of Riser 8'
 Well Box 8" 12" 24" Type of well box CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing x

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 6.46
 Time: 09:00 Time: _____ Actual Purge 1.56g
 Depth of Well 27.24 Depth to Water _____
 Depth to Water 12.94

Sample

Start Purge 1:55:0 Sample Time 1:05

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1054	65.2	7.17	245	2.16	-44	0.8	.5g
1058	65.4	7.21	247	2.22	-50	0.8	1.0g
1102	65.5	7.19	255	2.24	-52	0.6	0.5g

Sample Appearance Clear Lock N/A

Equipment Replacement

Lock N/A Well Cap ok Bolts ok Box ok

Remarks:

Client: Tesoro Sample Data: 2/12/2007
 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: 05:15 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 Pomoco

Purging/Sampling Equipment

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

Sampling -
 Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.56
 Time: 05:04 Time: _____ Actual Purge 1.50
 Depth of Well 12.81 Depth to Water _____
 Depth to Water 12.41

Sample

Start Purge 1134 Sample Time 1150

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1138</u>	<u>65.8</u>	<u>6.98</u>	<u>279</u>	<u>0.48</u>	<u>-186</u>	<u>1.3</u>	<u>0.5</u>
<u>1142</u>	<u>65.7</u>	<u>6.93</u>	<u>271</u>	<u>0.51</u>	<u>-185</u>	<u>1.3</u>	<u>1.0</u>
<u>1146</u>	<u>65.8</u>	<u>6.99</u>	<u>248</u>	<u>0.47</u>	<u>-195</u>	<u>1.3</u>	<u>1.5</u>

Sample Appearance Clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts -1 Box ok

Remarks:

Client: Tesoro Sample Data: 2/12/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MLW-3
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0757 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 CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing

Well Purging

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier X 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 7.52
 Time: 0757 Time: _____ Actual Purge 1.50
 Depth of Well 28.40 Depth to Water _____
 Depth to Water 12.74

Sample

Start Purge 1028 Sample Time 1043

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1032</u>	<u>66.3</u>	<u>6.94</u>	<u>302</u>	<u>0.70</u>	<u>-172</u>	<u>0.6</u>	<u>0.5</u>
<u>1036</u>	<u>66.5</u>	<u>6.90</u>	<u>301</u>	<u>0.71</u>	<u>-181</u>	<u>0.6</u>	<u>1.0</u>
<u>1040</u>	<u>66.3</u>	<u>6.77</u>	<u>297</u>	<u>0.68</u>	<u>-183</u>	<u>0.6</u>	<u>1.5</u>

Sample Appearance Clear Lock OK

Equipment Replacement

Lock OK Well Cap OK Bolts OK Box OK

Remarks:

Client: <u>Tesoro</u>		Sample Data: <u>2/12/2007</u>	
Site: <u>Tesoro Station 67106</u>		Project Number: <u>02-67106</u>	
<u>1088 Marina Blvd., San Leandro, CA</u>		Well Designation: <u>MIN-4</u>	
Signature: <u>[Signature]</u>			
Well Box Condition/Traffic			
Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0802</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>above surface well</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	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailleurs	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>
		<u>Parastatic Pump X</u>	
Sampling -			
Disposable Bailer	<input type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>
		Disposable Tubing	<input checked="" type="checkbox"/>
Well Purging			
Well Diameter:	2" <input checked="" type="checkbox"/>	4" <input type="checkbox"/>	6" <input type="checkbox"/>
	8" <input type="checkbox"/>		
Purge Vol. Multiplier	0.16	0.65	1.47
			2.61
Initial Measurement		Recharge Measurement	Calculated Purge <u>6.84</u>
Time: <u>0802</u>		Time:	Actual Purge <u>1.56g.</u>
Depth of Well <u>27.45</u>		Depth to Water	
Depth to Water <u>13.21</u>			
Sample			
Start Purge	<u>1112</u>	Sample Time	<u>1124</u>
Time	Temperature	pH	E.C.
	D.O.	ORP	Fe+2
			Volume
<u>1116</u>	<u>66.5</u>	<u>7.02</u>	<u>665</u>
	<u>1.04</u>	<u>-28</u>	<u>0.3</u>
<u>1120</u>	<u>66.6</u>	<u>7.02</u>	<u>658</u>
	<u>1.07</u>	<u>-29</u>	<u>0.3</u>
<u>1124</u>	<u>66.5</u>	<u>7.14</u>	<u>643</u>
	<u>1.03</u>	<u>-28</u>	<u>0.3</u>
Sample Appearance	<u>Cloudy</u>	Lock	<u>N/A</u>
Equipment Replacement			
Lock	<u>N/A</u>	Well Cap	<u>ok</u>
Bolts	<u>-4</u>	Box	<u>ok</u>
Remarks:			

Client: <u>Tesoro</u>	Sample Data: <u>2/12/2007</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-5</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0753</u> hours						
Standing water <input checked="" type="radio"/> Yes <input 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: <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 Bailers _____	Centrifugal Pump _____						
	<u>Peristaltic Pump X</u>						
Sampling -							
Disposable Bailer _____	Teflon Bailer _____	Disposable Tubing <u>X</u>					
Well Purging							
Well Diameter: 2" <input checked="" type="checkbox"/> 4" _____ 6" _____ 8" _____							
Purge Vol. Multiplier 0.16 _____ 0.65 _____ 1.47 _____ 2.61 _____							
Initial Measurement _____	Recharge Measurement _____	Calculated Purge <u>7.56</u>					
Time: <u>0753</u>	Time: _____	Actual Purge <u>1.50</u>					
Depth of Well <u>28.40</u>	Depth to Water _____						
Depth to Water <u>13.04</u>							
Sample							
Start Purge <u>0944</u>	Sample Time <u>1000</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0948</u>	<u>65.4</u>	<u>6.95</u>	<u>712</u>	<u>1.36</u>	<u>79</u>	<u>0.0</u>	<u>1.5g</u>
<u>0952</u>	<u>65.5</u>	<u>6.94</u>	<u>727</u>	<u>1.36</u>	<u>80</u>	<u>0.0</u>	<u>1g</u>
<u>0956</u>	<u>65.3</u>	<u>6.97</u>	<u>768</u>	<u>1.42</u>	<u>82</u>	<u>0.0</u>	<u>1.5g</u>
Sample Appearance <u>Clear.</u>	Lock <u>N/A</u>						
Equipment Replacement							
Lock <u>N/A</u>	Well Cap <u>ok</u>	Bolts <u>-4</u>	Box <u>ok</u>				
Remarks: <u>Engraved label on lid</u>							

Client: Tesoro Sample Data: 2/12/2007
 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: 0744 hours
 Standing water Yes No above or below casing
 Top of well level Yes No
 Well cap & locked Yes No Remark: _____
 Height of Riser 7" Remark: _____
 Well Box 8" (12") 24" Type of well box Pomelo

Purging/Sampling Equipment

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 1.75
 Time: 0744 Time: _____ Actual Purge 1.20
 Depth of Well 14.84 Depth to Water _____
 Depth to Water 11.22

Sample

Start Purge 0824 Sample Time 0841

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0829</u>	<u>63.4</u>	<u>6.81</u>	<u>1005</u>	<u>3.29</u>	<u>48</u>	<u>0.0</u>	<u>1.3g</u>
<u>0834</u>	<u>63.1</u>	<u>6.87</u>	<u>1025</u>	<u>3.84</u>	<u>48</u>	<u>0.0</u>	<u>2.3g</u>
<u>0835</u>	<u>63.2</u>	<u>6.97</u>	<u>1027</u>	<u>3.74</u>	<u>50</u>	<u>0.0</u>	<u>1.2g</u>

Sample Appearance Clear Lock OK

Equipment Replacement

Lock OK Well Cap OK Bolts -3 Box OK

Remarks: _____

Client: Tesoro Sample Data: 2/12/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-7
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0747 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: _____
 Height of Riser 8'
 Well Box 8" (12) 24" Type of well box Pumeco

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing x

Well Purging

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

Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.32
 Time: 0747 Time: _____ Actual Purge 1.25
 Depth of Well 25.45 Depth to Water _____
 Depth to Water 12.21

Sample

Start Purge 0852 Sample Time 0900

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0856</u>	<u>63.1</u>	<u>7.01</u>	<u>454</u>	<u>1.06</u>	<u>56</u>	<u>0.0</u>	<u>1.3g</u>
<u>0900</u>	<u>63.0</u>	<u>6.94</u>	<u>457</u>	<u>1.11</u>	<u>58</u>	<u>0.0</u>	<u>2.3g</u>
<u>0904</u>	<u>62.9</u>	<u>6.87</u>	<u>476</u>	<u>1.15</u>	<u>58</u>	<u>0.0</u>	<u>1.2g</u>

Sample Appearance Clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts -3 Box ok

Remarks:

Client: Tesoro Sample Data: 2/12/2007
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: mw-8
 Signature: OK

Well Box Condition/Traffic

Traffic Control Yes No Time: 0752 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 5'
 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 Bailer _____ Centrifugal Pump _____
Peristaltic Pump x

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing x

Well Purging

Well Diameter: 2" x 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 6.87
 Time: 0752 Time: _____ Actual Purge 1.50
 Depth of Well 28.25 Depth to Water _____
 Depth to Water 13.73

Sample

Start Purge 0916 Sample Time 0930

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
0920	62.9	6.82	589	1.16	73	0.0	1.5
0924	63.1	6.80	590	1.08	73	0.0	1.0
0928	63.8	6.84	602	1.12	72	0.0	1.5

Sample Appearance Clear Lock OK

Equipment Replacement

Lock ok Well Cap ok Bolts ok Box ok

Remarks: Engraved label on lid.

Client: Tesoro Sample Data: 2/12/2007
 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: 0755 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: MS box
 Height of Riser 12"
 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 Pump 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 23.15
 Time: 0755 Time: _____ Actual Purge 2.25
 Depth of Well 24.40 Depth to Water _____
 Depth to Water 12.73

Sample

Start Purge 1006 Sample Time 1020

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
10:10	67.1	7.03	271	0.85	34	0.2	0.75
10:14	67.1	7.04	267	0.83	34	0.2	1.50
10:18	67.2	7.04	272	0.79	33	0.2	2.25

Sample Appearance Clear Lock -1

Equipment Replacement

Lock -1 Well Cap Replaced Bolts -4 Box ok

Remarks: Engraved label on lid.

Appendix B

Official Laboratory Analytical Results –
Quarterly Ground Water Samples



Report Number : 54815

Date : 2/16/2007

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



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

Case Narrative

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

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8 and MW-9 for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: _____


Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-1

Matrix : Water

Lab Number : 54815-01

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Ethylbenzene	12	0.50	ug/L	EPA 8260B	2/13/2007
Total Xylenes	2.7	0.50	ug/L	EPA 8260B	2/13/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/13/2007
Ethanol	19	5.0	ug/L	EPA 8260B	2/13/2007
TPH as Gasoline	3500	50	ug/L	EPA 8260B	2/13/2007
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	2/13/2007
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	2/13/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

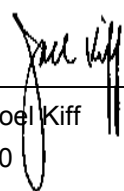
Sample : MW-2

Matrix : Water

Lab Number : 54815-02

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	24	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	8.5	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	450	2.0	ug/L	EPA 8260B	2/14/2007
Total Xylenes	110	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	2.5	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	< 20	20	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	7700	200	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	2/14/2007

Approved By:  Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-3

Matrix : Water

Lab Number : 54815-03

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	1.2	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	5.5	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	8.8	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	990	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-4

Matrix : Water

Lab Number : 54815-04

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	0.58	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	1.5	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	3.3	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	3.1	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	9.7	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	150	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106


Sample : MW-5

Matrix : Water

Lab Number : 54815-05

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	2.8	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	6.4	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	210	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	96.1		% Recovery	EPA 8260B	2/14/2007

Approved By:  Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-6

Matrix : Water

Lab Number : 54815-06

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	9.3	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-7

Matrix : Water

Lab Number : 54815-07

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	0.63	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-8

Matrix : Water

Lab Number : 54815-08

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	4.5	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	4.2	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	14	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	69	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff



Report Number : 54815

Date : 2/16/2007

Project Name : 67106

Project Number : 67106

Sample : MW-9

Matrix : Water

Lab Number : 54815-09

Sample Date :2/12/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	2/14/2007

Approved By:

Joel Kiff

Report Number : 54815

Date : 2/16/2007

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	2/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/14/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/13/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/13/2007
Toluene - d8 (Surr)	100		%	EPA 8260B	2/13/2007
4-Bromofluorobenzene (Surr)	93.5		%	EPA 8260B	2/13/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/14/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/14/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/14/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/14/2007
Toluene - d8 (Surr)	102		%	EPA 8260B	2/14/2007
4-Bromofluorobenzene (Surr)	96.2		%	EPA 8260B	2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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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	54832-01	<0.50	39.8	39.6	42.3	42.0	ug/L	EPA 8260B	2/14/07	106	106	0.268	70-130	25
Toluene	54832-01	<0.50	39.8	39.6	40.8	40.7	ug/L	EPA 8260B	2/14/07	102	103	0.355	70-130	25
Tert-Butanol	54832-01	370	199	198	566	570	ug/L	EPA 8260B	2/14/07	97.5	99.9	2.43	70-130	25
Methyl-t-Butyl Ether	54832-01	1.6	39.8	39.6	44.0	40.7	ug/L	EPA 8260B	2/14/07	106	98.6	7.54	70-130	25
Benzene	54823-01	410	40.0	40.0	451	441	ug/L	EPA 8260B	2/13/07	96.6	73.6	27.1	70-130	25
Toluene	54823-01	1.6	40.0	40.0	43.0	42.1	ug/L	EPA 8260B	2/13/07	104	101	2.35	70-130	25
Tert-Butanol	54823-01	14	200	200	205	202	ug/L	EPA 8260B	2/13/07	95.2	94.1	1.15	70-130	25
Methyl-t-Butyl Ether	54823-01	<0.50	40.0	40.0	40.3	40.5	ug/L	EPA 8260B	2/13/07	101	101	0.468	70-130	25
Benzene	54840-08	<0.50	40.0	40.0	41.3	40.8	ug/L	EPA 8260B	2/14/07	103	102	1.32	70-130	25
Toluene	54840-08	<0.50	40.0	40.0	42.0	41.2	ug/L	EPA 8260B	2/14/07	105	103	1.93	70-130	25
Tert-Butanol	54840-08	<5.0	200	200	194	196	ug/L	EPA 8260B	2/14/07	97.0	97.8	0.865	70-130	25
Methyl-t-Butyl Ether	54840-08	<0.50	40.0	40.0	40.4	39.6	ug/L	EPA 8260B	2/14/07	101	99.0	2.15	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	2/14/07	106	70-130
Toluene	40.0	ug/L	EPA 8260B	2/14/07	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/14/07	95.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/14/07	110	70-130
Benzene	40.0	ug/L	EPA 8260B	2/13/07	97.9	70-130
Toluene	40.0	ug/L	EPA 8260B	2/13/07	99.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/13/07	90.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/13/07	100	70-130
Benzene	40.0	ug/L	EPA 8260B	2/14/07	95.1	70-130
Toluene	40.0	ug/L	EPA 8260B	2/14/07	96.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/14/07	88.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/14/07	89.4	70-130

KIFF ANALYTICAL, LLC

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

Approved By:



 Joel Kiff



Analysis Summary

Report Number : 54815

Date : 2/16/2007

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			2/12/2007		2/12/2007		2/12/2007		2/12/2007		2/12/2007		2/12/2007		2/12/2007		2/12/2007	
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	24	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	8.5	0.50	ND	0.50	0.58	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	12	2.0	450	0.50	ND	0.50	1.5	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	2.7	0.50	110	0.50	ND	0.50	3.3	0.50	ND	0.50	ND	0.50	ND	0.50	4.5
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	0.50	2.5	0.50	1.2	0.50	3.1	0.50	2.8	0.50	ND	0.50	0.63	0.50	4.2
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	5.5	5.0	ND	5.0	6.4	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	19	20	ND	5.0	8.8	5.0	9.7	5.0	ND	5.0	9.3	5.0	ND	5.0	14
TPH as Gasoline	EPA 8260B	ug/L	50	3500	200	7700	50	990	50	150	50	210	50	ND	50	ND	50	69
Toluene - d8 (Surr)	EPA 8260B	%		98.6		97.0		100		101		101		101		101		101
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.8		98.4		96.6		97.1		96.1		97.2		97.4		96.2

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 : 54815

Date : 2/16/2007

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

Project Name :67106
Project Number : 67106

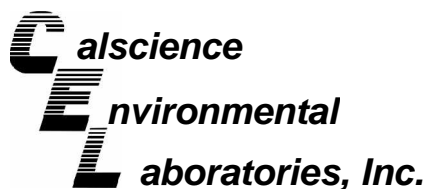
Sample Name		MW-9		
Sample Date		2/12/2007		
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		101
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.9

MRL = Method Reporting Limit
ND = Not Detected

Approved By,



Joel Kiff



February 21, 2007

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

Subject: **Calscience Work Order No.: 07-02-0864**
Client Reference: 67106

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/14/2007 and analyzed in accordance with the attached chain-of-custody.

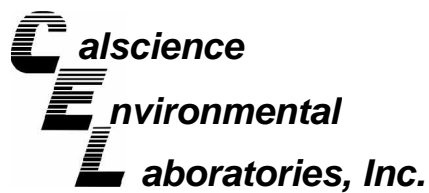
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

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

Sincerely,

A handwritten signature in black ink, appearing to read "S. Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report



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

Date Received: 02/14/07
Work Order No: 07-02-0864
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67106

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-02-0864-1	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.258	0.100	1		mg/L

MW-2	07-02-0864-2	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	1.11	0.100	1		mg/L

MW-3	07-02-0864-3	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.959	0.100	1		mg/L

MW-4	07-02-0864-4	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.689	0.100	1		mg/L

MW-5	07-02-0864-5	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.158	0.100	1		mg/L

MW-6	07-02-0864-6	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	ND	0.100	1		mg/L

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

Analytical Report



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

Date Received: 02/14/07
Work Order No: 07-02-0864
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67106

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-02-0864-7	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.143	0.100	1		mg/L

MW-8	07-02-0864-8	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.256	0.100	1		mg/L

MW-9	07-02-0864-9	02/12/07	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	0.232	0.100	1		mg/L

Method Blank	097-01-003-6,895	N/A	Aqueous	ICP 3300	02/15/07	02/16/07	070215L03
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Iron	ND	0.100	1		mg/L

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

Analytical Report



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

Date Received: 02/14/07
Work Order No: 07-02-0864

Project: 67106

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	07-02-0864-1	02/12/07	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.1	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	102	5.0	1		mg/L	N/A	02/15/07	SM 2320B

MW-2	07-02-0864-2	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.7	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	122	5.0	1		mg/L	N/A	02/15/07	SM 2320B

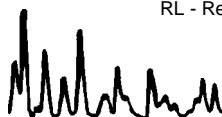
MW-3	07-02-0864-3	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.4	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	144	5.0	1		mg/L	N/A	02/15/07	SM 2320B

MW-4	07-02-0864-4	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.8	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	334	5.0	1		mg/L	N/A	02/15/07	SM 2320B

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



Analytical Report



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

Date Received: 02/14/07
Work Order No: 07-02-0864

Project: 67106

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-5	07-02-0864-5	02/12/07	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.2	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	438	5.0	1		mg/L	N/A	02/15/07	SM 2320B

MW-6	07-02-0864-6	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	4.9	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	496	5.0	1		mg/L	N/A	02/15/07	SM 2320B

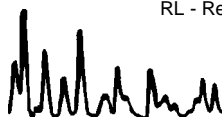
MW-7	07-02-0864-7	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.3	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	178	5.0	1		mg/L	N/A	02/15/07	SM 2320B

MW-8	07-02-0864-8	02/12/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.8	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	306	5.0	1		mg/L	N/A	02/15/07	SM 2320B

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



Analytical Report



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

Date Received: 02/14/07
Work Order No: 07-02-0864

Project: 67106

Page 3 of 3

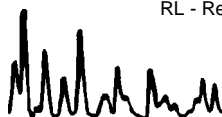
Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-9	07-02-0864-9	02/12/07	Aqueous

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Carbon, Total Organic	3.0	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	116	5.0	1		mg/L	N/A	02/15/07	SM 2320B

Method Blank					N/A			Aqueous
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Carbon, Total Organic	ND	0.50	1		mg/L	N/A	02/15/07	EPA 415.1
Alkalinity, Total (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/15/07	SM 2320B

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





Quality Control - Spike/Spike Duplicate



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

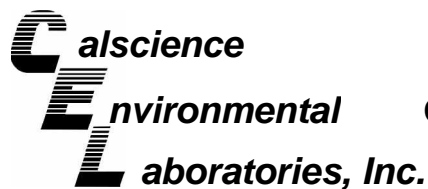
Date Received: 02/14/07
Work Order No: 07-02-0864
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 67106

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-02-0951-1	Aqueous	ICP 3300	02/15/07	02/16/07	070215S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron	97	98	65-149	0	0-21	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

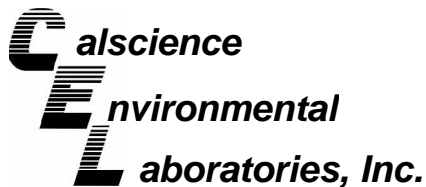
Date Received: N/A
Work Order No: 07-02-0864

Project: 67106

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	MW-2	02/15/07	N/A	119	119	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



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

Date Received: N/A
 Work Order No: 07-02-0864

Project: 67106

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Alkalinity, Total (as CaCO3)	SM 2320B	MW-1	02/15/07	102	104	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



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

Date Received: N/A
 Work Order No: 07-02-0864
 Preparation: EPA 3010A Total
 Method: EPA 6010B

Project: 67106

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,895	Aqueous	ICP 3300	02/16/07	070215-L-03	070215L03

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Iron	0.500	0.509	102	80-120	

RPD - Relative Percent Difference , CL - Control Limit



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

Date Received: N/A
 Work Order No: 07-02-0864

Project: 67106

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc. Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	099-05-097-2,529	02/15/07	N/A	5.00	4.91	98	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-02-0864

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





2795 Second Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

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

Lab No. **0864** Page 1 of 1

Project Contact (Hardcopy or PDF to):

Troy Turpen

Company/Address:

Kiff Analytical, LLC

Phone No.: FAX No.:

Project Number: 67106 P.O. No.: 54815

Project Name: 67106

Project Address: 67106

Project Address: inBox@kiffanalytical.com

EDF Report? Yes No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: RDMR

Global ID: T0600101409

EDF Deliverable to (Email Address):

inBox@kiffanalytical.com

E-mail address:

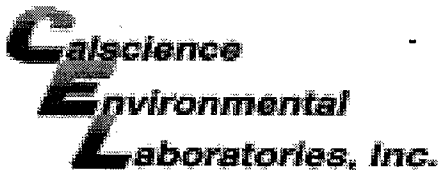
inBox@kiffanalytical.com

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Sampling		Container						Preservative				Matrix			Date				
	Date	Time	VOA	Poly	Sleeve	Amber	Glass	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃	ZnAc ₂ & NaOH	NONE	WATER	SOIL	Air					
MW-1	02/12/07	11:05		2		1	1	1	1	1	1	1	1				X	X	X	February 21, 2007
MW-2	02/12/07	11:50		2		1	1	1	1	1	1	1	1				X	X	X	
MW-3	02/12/07	10:43		2		1	1	1	1	1	1	1	1				X	X	X	
MW-4	02/12/07	11:28		2		1	1	1	1	1	1	1	1				X	X	X	
MW-5	02/12/07	10:00		2		1	1	1	1	1	1	1	1				X	X	X	
MW-6	02/12/07	08:41		2		1	1	1	1	1	1	1	1				X	X	X	
MW-7	02/12/07	09:06		2		1	1	1	1	1	1	1	1				X	X	X	
MW-8	02/12/07	9:30		2		1	1	1	1	1	1	1	1				X	X	X	
MW-9	02/12/07	10:20		2		1	1	1	1	1	1	1	1				X	X	X	
Alkalinity (SM 2320B)																X	X	X	Total Organic Carbon (EPA 415.1)	Total Iron (EPA 6010)
Remarks:																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				
Relinquished by: <i>[Signature]</i> Date: 2-14-07																				

Bill to: Accounts Payable



WORK ORDER #: 07 - 0 2 - 0 8 6 4

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIPP ANALYTICAL

DATE: 2-14-07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
°C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.0 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: WB

COMMENTS:

Blank lines for handwritten comments.

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

February 20, 2007

CLS Work Order #: CQB0439
COC #: 54815

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 02/13/07 10:35. 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 #: CQB0439 COC #: 54815
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CQB0439

p.1
5302974802

		2795 Second Street, Suite 300 Davis, CA 95616 Lab: 530.297.4800 Fax: 530.297.4808		California Lab Services 3249 Fitzgerald Rd. Rancho Cordova, CA 95742 tel: (916) 633-7301 COC# 54815 Page 1 of 1	
Project Contact (Hardcopy or PDF to): Troy Turpen		EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chair -of-Custody Record and Analysis Request	
Company/Address: Kiff Analytical, LLC		Recommended but not mandatory to complete this section: Sampling Company Log Code: RDMR		Analysis Request	
Phone No.:	FAX No.:	Global ID: T0600101409		Dissolved CO2 (SM4500-CO2D)	Date due: February 21, 2007
Project Number: 67106	P.O. No.: 54815	EDF Deliverable to (Email Address): inbox@kiffanalytical.com			
Project Name: 67106		E-mail address: inbox@kiffanalytical.com			
Project Address:		Sampling	Container	Preservative	Matrix
Sample Designation	Date	Time	Glass Jar Poly Amber	HCl HNO ₃ Na ₂ S ₂ O ₈ NONE	WATER SOIL
MW-1	02/12/07	11:05	1	1	X
MW-2	02/12/07	11:50	1	1	X
MW-3	02/12/07	10:43	1	1	X
MW-4	02/12/07	11:28	1	1	X
MW-5	02/12/07	10:00	1	1	X
MW-6	02/12/07	08:41	1	1	X
MW-7	02/12/07	09:06	1	1	X
MW-8	02/12/07	9:30	1	1	X
MW-9	02/12/07	10:20	1	1	X
Relinquished by: <i>[Signature]</i>		Date: 02/20/07	Time: 10:35	Received by:	
Relinquished by:		Date:	Time:	Received by:	
Relinquished by:		Date:	Time:	Received by: <i>Will Chellana</i>	
				Bill to: Accounts Payable	

Feb 13 07 10:24a Kiff Analytical

10355

CALIFORNIA LABORATORY SERVICES

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02/20/07 12:04

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

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

CLS Work Order #: CQB0439
COC #: 54815

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CQB0439-01) Water Sampled: 02/12/07 11:05 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	18	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-2 (CQB0439-02) Water Sampled: 02/12/07 11:50 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	18	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-3 (CQB0439-03) Water Sampled: 02/12/07 10:43 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	22	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-4 (CQB0439-04) Water Sampled: 02/12/07 11:28 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	31	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-5 (CQB0439-05) Water Sampled: 02/12/07 10:00 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	51	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-6 (CQB0439-06) Water Sampled: 02/12/07 08:41 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	78	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-7 (CQB0439-07) Water Sampled: 02/12/07 09:06 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	36	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-8 (CQB0439-08) Water Sampled: 02/12/07 09:30 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	81	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	
MW-9 (CQB0439-09) Water Sampled: 02/12/07 10:20 Received: 02/13/07 10:35									
Carbon Dioxide as CO2	16	5.0	mg/L	1	CQ01239	02/13/07	02/13/07	SM 4500C	

CA DOHS ELAP Accreditation/Registration Number 1233

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 #: CQB0439
COC #: 54815

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 CQ01239 - General Preparation

Blank (CQ01239-BLK1)

Prepared & Analyzed: 02/13/07

Carbon Dioxide as CO2	ND	5.0	mg/L							
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CALIFORNIA LABORATORY SERVICES

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02/20/07 12:04

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

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

CLS Work Order #: CQB0439
COC #: 54815

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

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742

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916-638-7301

Fax: 916-638-4510

