FOURTH QUARTER 2006

GROUNDWATER MONITORING/REMEDIATION STATUS REPORT

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California
RDM Project No. 00-67107

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EXECUTIVE SUMMARY

This Quarterly Monitoring Report and Remediation Status Report has been prepared by RDM Environmental, Inc. (RDM) and Haley & Aldrich, Inc. (Haley & Aldrich), on behalf of Tesoro Companies, Inc. (Tesoro), for the former Tesoro Station No. 67107 located at 44 Lewelling Boulevard, San Lorenzo, 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 Agency – Department of Health and the City of San Lorenzo – Environmental Services Division. This report updates the Groundwater Monitoring and Remediation Systems Status Report dated November 30, 2006. Standard background information previously submitted to the agency in hard copy is not included in this report. This information can be electronically accessed on the Tesoro Companies Sharepoint website (https://portal.haleyaldrich.com/sites/ext/San Lorenzo).

The general groundwater flow observed is toward the southwest, which is consistent with historical observations. Total petroleum hydrocarbons as gasoline (TPH-G) were detected in wells MW-3, MW-10 and RW-2 at concentrations greater than 500 micrograms per liter (ug/L).

Benzene, toluene, ethyl benzene, xylenes (BTEX) and total petroleum hydrocarbon (TPH) concentrations **decreased** slightly in MW-3 from the 3rd Quarter 2006 sampling event but remained within seasonal fluctuations observed at the site. The remaining monitoring locations exhibited **similar** values for the target parameters indicating that intrinsic attenuation processes in concert with the operating pump and treatment system continue to control contaminant migration down gradient from the site.

Based on these data and the observed level of groundwater contaminant concentrations in MW-3 and MW-10, the on-site remediation system has been configured with groundwater extraction from MW-3R and RW-2 to address the persistent detection of site contaminants at these monitoring locations.

As part of the 4th Quarter sampling event, sample collection included the determination of oxidation/reduction potential (ORP) and dissolved oxygen (DO) in the on-site and down gradient monitoring wells. The monitoring locations with the highest levels of contaminants, (MW-1, MW-3, MW-10, and RW-2) exhibit anoxic conditions (ORP < -50, DO <2.0 mg/L) indicating that intrinsic biodegradation processes are limited by the available oxygen. Enhancement of the aquifer conditions through the introduction of bio-available oxygen will likely enhance intrinsic attenuation processes and progress the site toward closure with compliance to the remedial goals.

During the 4th quarter, pumping from RW-2 and MW-3R was initiated on 15 October 2006. Groundwater levels were monitored periodically over the first two (2) weeks of operation. The data collected demonstrate that the capture zone for groundwater recovered from MW-3R includes the former release area on-site, and groundwater recovery from RW-2 impacted the elevation in MW-10. This data suggests that a hydrologic connection exists between RW-2 and MW-10.

To further evaluate this potential connection, a work plan was developed for the installation of an additional monitoring location (to be designated MW-12) and submitted to the Alameda County Department of Environmental Health for approval. The work plan includes the advancement of three (3) test borings with continuous soil sampling for stratigraphic evaluation between MW-9 and MW-10. One of these borings will be completed as wells MW-12 for future groundwater sampling.

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1.0 INTRODUCTION

This report has been prepared by RDM Environmental, Inc. (RDM) and Haley & Aldrich, Inc. (Haley & Aldrich), on behalf of Tesoro Companies, Inc. (Tesoro) for the former Tesoro Station No. 67107 located at 44 Lewelling Boulevard, San Lorenzo, California. The most recently prepared project reports and standard project reference materials 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 electronically on the Tesoro Companies Sharepoint website (https://portal.haleyaldrich.com/sites/ext/Tesoro/San Lorenzo), a project data portal and collaborative resource that is currently available to all members of the project team and interested stakeholders.

Total petroleum hydrocarbons as gasoline (TPH-G), benzene and total xylenes remain the constituents of concern (COC) for groundwater at this site. The impacted groundwater plume extends from the site boundary with measurable TPH-G concentrations detected in well MW-10. Total benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in on-site monitoring wells MW-3, and RW-2 and the off-site monitoring well MW-10 continue to exceed the environmental screening criteria found in *Volume 2: Background Documentation for the Development of Tier I Environmental Screening Levels*, CRWQCBSFB, Interim Final – 2005 indicating that additional remedial measures and site monitoring are warranted.

These data also indicate that the remedial approach has substantially reduced contaminant concentrations since the initiation of the groundwater monitoring and remediation program at the site.

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 Petroleum Sharepoint website (https://portal.Haleyaldrich .com/sites/ext/Tesoro/San Lorenzo).

3.0 ENVIRONMENTAL SETTING

A site topographic map and site map are shown in Figures 1 and 2, respectively. Figure 2 presents the irrigation wells located at 15800 and 15808 Via Cordoba Avenue and 246 Peach Ave. Descriptions of the site geologic and hydrogeologic conditions are available electronically on the Tesoro Companies Sharepoint website (https://portal.haleyaldrich.com/sites /ext/Tesoro/San Lorenzo).

4.0 SITE ASSESSMENT ACTIVITIES

As requested by the Alameda County Environmental Health Department, an updated well use survey and utility conduit assessment were performed by RDM Environmental during the 2nd Quarter 2006 reporting period. A summary of previously performed site assessment activities is provided in reports available electronically on the Tesoro Companies Sharepoint website (https://portal.haleyaldrich .com/sites/ext/ Tesoro/San Lorenzo).

No additional site assessment activities were performed during this monitoring period.

5.0 QUARTERLY GROUNDWATER MONITORING AND SAMPLING

5.1 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

On October 26, 2006, groundwater levels in monitoring wells MW-1 through MW-11, RW-1 and RW-2 were measured. These data, used to prepare Figure 3 - Groundwater Elevation Contour Map, were obtained with a handheld groundwater level sensor. The contour map indicates that the predominant groundwater flow direction in the overburden unconsolidated water bearing unit is toward the recovery wells.

Drawdown elevations were measured five (5) times between 15 and 30 October to monitor the start up of the re-configured pump and treat system. These data were used to prepare Figures 8, 9, and 10 - Drawdown Groundwater Elevation Curves for MW-3R and RW-2, MW-9 and MW-10, and MW-2 and MW-4, respectfully. The elevation curves show a correlation between pumping in MW-3R and RW-2 and drawdown in both downgradient and upgradient wells.

Following the determination of the groundwater levels, representative samples of groundwater were collected from wells with historical detectable levels of site contaminants for evaluation of the groundwater quality. During sampling, dissolved oxygen (DO), oxidation-reduction potential (ORP) specific conductance (SC), pH, and temperature measurements were performed to determine intrinsic aquifer conditions at the time of sample collection. Well sampling and field measurement data are provided in Appendix A. The concentration of intrinsic aquifer conditions are presented in Table 2.

5.2 LABORATORY ANALYSIS

Groundwater samples collected during the 26 October 2006 sampling event were submitted under a completed chain of custody and analyzed by Kiff Analytical, LLC, a State-certified laboratory (#2236), for 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.

Historical and quarterly ground water laboratory analytical results are presented in Table 1. Dissolved-phase benzene, total xylenes, MTBE, and TPH-G iso-concentration maps are shown on Figures 4, 5, 6, and 7, respectively. The final laboratory reports with chain of custody records for the 4th Quarter 2006 quarterly groundwater sampling event are included in Appendix B.

5.3 FINDINGS

Ground water levels were measured with the groundwater recovery system operating to determine the extent of the capture zone of pumping well RW-1. As determined during the 3rd Quarter 2006 sampling event, the pumping of RW-1 does not affect the groundwater elevation observed at MW-3. Pumping of MW-3R and RW-2 effected groundwater elevations observed at MW-1 and MW-10, indicating the re-configured pumping wells will have an effect on groundwater migration down gradient from the site.

Results of laboratory analysis of groundwater samples collected on 26 October 2006 from wells MW-1, MW-2, MW-3, MW-4, MW-10, MW-11, RW-1 and RW-2 are summarized in Table 1 and indicate the following:

- Benzene was detected in the groundwater sample collected from well MW-3 at a concentration of 82 ug/L. These data are consistent with historical groundwater sample results. Figure 4 presents the benzene iso-concentration map for the 4th Quarter 2006 sampling event.

- Total xylenes were detected in groundwater samples collected from wells MW-3, MW-10 and RW-2 at concentrations consistent with historical groundwater sample results. Figure 5 presents the total xylenes iso-concentration map for the 4th Quarter 2006 sampling event.

- Methyl tertiary butyl ether (MTBE) was detected in groundwater samples collected from wells MW-1, MW-2, MW-3, MW-4, MW-10, MW-11, RW-1 and RW-2. Concentrations detected are consistent with levels detected during prior monitoring events. Figure 6 presents the MTBE iso-concentration map for the 4th Quarter 2006 sampling event.

- TPH-G was detected in groundwater samples collected from wells MW-1, MW-3, MW-10 and RW-2 at concentrations of 110, 1800, 5000 and 760 ug/L, respectively. Figure 7 presents the TPH-G iso-concentration map for the 4th Quarter 2006 sampling event. These data support the need to continue groundwater recovery from RW-2 to address TPH-G identified in MW-10.

6.0 SITE CONCEPTUAL MODEL

6.1 HYDROGEOLOGIC SETTING

The groundwater flow is toward the pumping wells, which is consistent with recent monitoring events, and the previous understanding of the hydrogeologic conditions at the site. The groundwater flow regime is dominated by permeable deposits at a depth of about 15 feet below ground surface that appear to be aligned roughly parallel to San Lorenzo Creek. Observed TPH-G and MTBE concentrations detected in onsite wells MW-1, MW-2, MW-3, RW-1, RW-2, and off-site wells MW-10 and MW-11 support the presence of a preferential flow path for impacted groundwater. The observed impact to groundwater elevation in MW-10 following the initiation of groundwater recovery from RW-2 suggests a connection between these locations.

6.2 GROUNDWATER QUALITY

Current monitoring results from the 4th Quarter sampling event indicate that the dissolved phase plume of gasoline constituents appears to be stable and at equilibrium with the hydrogeologic setting, however, in order to achieve site closure a more active remediation technology may need to be deployed. Since the identified contaminants of concern at the site are known to degrade intrinsically under aerobic conditions, the slow decline of the observed dissolved phase concentrations of the COC is most likely due to oxygen-limited conditions in the subsurface.

The intrinsic aquifer conditions determined during this quarterly sampling event appear to support this conclusion as the monitoring locations with the highest levels of site contaminants exhibit the most anoxic conditions.

Ozone (O_3) and/or pure oxygen (O_2) injection or similar technology may be an effective enhancement to the current groundwater recovery system by providing a source of oxygen for indigenous bacteria to continue to actively degrade the contaminants present.

7.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM PERFORMANCE

7.1 OPERATIONS UPDATE

During the 4th Quarter, wells MW-3 and RW-2 were converted to extraction wells and the new pump and treat system was started 15 October 2006. During the 4th Quarter, the groundwater recovery system was modified to utilize a combined granulated activated carbon (GAC) system for primary and polishing treatment prior to discharge to the sewer system.

The modified groundwater treatment system includes two (2) pumping wells (RW-2 and MW-3R) with groundwater treatment achieved using two (2) 1000 pound (lb) GAC canisters. Throughout the quarter approximately 7 lbs of contaminants were extracted and treated without breakthrough. Treated groundwater was discharged to the municipal sewer under the sewer use permit dated December 2005.

Total volume of groundwater extracted and treated during the quarter was approximately 370,500 gallons at an average recovery rate of 3.8 gallons per minute. Influent, mid, and effluent groundwater treatment system samples were collected for analysis of BTEX, fuel oxygenates and TPH-G on 26 October, 28 November, and 22 December 2006. Maximum influent concentration of contaminants detected was 19 ug/L for MTBE. Contaminants were not detected in the effluent samples collected and analyzed during the 4th Quarter.

7.2 PUMPING WELL CONFIGURATION

Groundwater elevations were measured 5 times between 15 October and 30 October until stabilization of the groundwater elevations in the site monitoring wells was established. Drawdown within the recovery wells, MW-3R and RW-2 stabilized at approximately 23 feet below ground surface. The capture zone for this pumping configuration encompasses MW-2 (-1.5 feet) located in front of the current service station and upgradient from the former UST through MW-10 (-0.3 feet) approximately 120 feet downgradient.

7.3 CONCLUSIONS AND RECOMMENDATIONS

RDM recommends continued operation of the re-configured groundwater recovery and treatment system. System performance monitoring will be conducted by collecting process samples to determine GAC treatment efficiency. RDM will also continue to determine groundwater elevations at down gradient wells, MW-4, MW-9, and MW-10 to confirm the effectiveness of groundwater extraction at RW-2 in controlling contaminant migration. We also recommend continuing groundwater sampling of the irrigation wells at 15800 and 15808 Via Cordoba Avenue and 246 Peach Ave for the analysis of BTEX, MTBE, fuel oxygenates and TPH-G.

8.0 PROPOSED FUTURE WORK ACTIVITIES

Following the 19 September 2006 meeting held at the Alameda County Environmental Health Department (ACEHD), a location for an additional monitoring well was identified. On 19 November 2006 RDM submitted a Work Plan for the installation of an offsite monitoring well (MW-12) to close the data gaps between monitoring wells MW-9 and MW-11. This well will be located to the southwest of the site. RDM will use a truck-mounted Geoprobe® rig with hollow stem auger capabilities to install three (3) test borings to approximately 40 feet BGS.

Each test boring will be continuously logged by a geologist to determine soil stratigraphy. One (1) monitoring well will be installed for future groundwater quality monitoring. Investigation activities are

tentatively scheduled for March 2007 pending receipt of applicable permits and site access agreements. Upon completion, a report summarizing the results of the investigation and well installation will be submitted as part of 1st Quarter 2007 Monitoring Report.

9.0 PROPOSED WORK SCHEDULE

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

- Continued operation of MW-3R and RW-2 as active pumping wells and monitor for influent and effluent concentrations of contaminants.
- Collect TPH-G, VOC and monitored natural attenuation (MNA) (e.g., dissolved oxygen, oxidation/reduction potential, pH, and specific conductivity) parameters to monitor the subsurface conditions as part of the quarterly groundwater compliance reporting for the site.
- Collect groundwater samples at the irrigation wells located at 15800 and 15808 Via Cordoba Avenue and 246 Peach Ave for the presence of BTEX, MTBE, and TPH-G.
- Evaluate the potential costs for the addition of oxygen injection to enhance the intrinsic biodegradation processes at the site.
- Install the new offsite monitoring well, MW-12, at the location designated to the southwest of the site.

10.0 STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

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

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

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11.0 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. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	43.67	16.42	27.25	NS	NS	NS	NS	NS	NS	NA	
	05/14/92		17.28	26.39	NS	NS	NS	NS	NS	NS	NA	
	05/15/92		NM	NC	2,000	47	1,200	400	41,000	NA	NA	
	08/27/92		19.48	24.19	NS	NS	NS	NS	NS	NS	NA	
	08/28/92		NM	NC	3,800	54	850	970	110,000	NA	NA	
	11/19/92		20.57	23.10	200	<5.0	90	140	3,600	NA	NA	
	02/03/93		15.91	27.76	180	22	79	130	3,000	NA	NA	
	06/23/93		16.21	27.46	2,400	74	650	510	12,000	NA	NA	No free product or sheen
	09/22/93		17.85	25.82	3,000	290	1,100	1,200	23,000	NA	NA	No free product or sheen
	01/24/94		17.91	25.76	2,400	280	1,100	1,700	18,000	NA	NA	
	04/07/94		16.94	26.73	4,200	820	1,600	2,100	20,000	NA	NA	No free product or sheen
	06/07/94		17.20	26.47	1,800	510	1,100	1,600	26,000	NA	NA	No free product or sheen
	09/28/94		18.73	24.94	1,700	210	970	870	18,000	NA	NA	No free product or sheen
	12/14/94		17.56	26.11	4,400	2,400	2,300	4,300	31,000	NA	NA	Product sheen
	03/15/95		14.92	28.75	830	310	840	1,200	17,000	NA	NA	Product sheen
	06/13/95		15.38	28.29	1,300	99	1,500	1,100	22,000	NA	NA	No free product or sheen
	09/28/95		16.75	26.92	580	<25	780	410	8,800	NA	NA	No free product or sheen
	12/28/95		17.28	26.39	4.9	<1.3	<1.3	290	4,800	74	NA	No free product or sheen
	01/30/96		NM	NC	17	7.1	20	45	1,500	63	NA	Not measured
	03/12/96		14.13	29.54	<0.5	<0.5	<0.5	<0.5	110	44	NA	No free product or sheen
	06/11/96		14.90	28.77	48	0.9	37	26	600	75	NA	No free product or sheen
	10/02/96		16.31	27.36	16	<0.5	6	0.92	210	11	NA	No free product or sheen
	01/28//97		12.99	30.68	<0.5	<0.5	<0.5	<0.5	150	160	NA	No free product or sheen
	05/20/97		15.28	28.39	<2.5	<2.5	<2.5	<2.5	680	640	NA	No free product or sheen
	08/18/97		16.74	26.93	<2.5	<2.5	<2.5	<2.5	<250	540	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		17.45	26.22	2.8	<2.5	<2.5	<2.5	<250	400/390[b]	NA	No free product or sheen
	03/31/98		12.47	31.20	260	13	110	150	3,300	7,900	NA	No free product or sheen
	05/26/98		13.69	29.98	NS	NS	NS	NS	NS	NS	NA	No free product or sheen

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MW-1	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	NA	No free product or sheen
(Cont.)	08/19/98		14.58	29.09	12	<2.5	6.0[c]	3.8[c]	<250[c]	2,200	NA	No free product or sheen
	11/17/98		15.39	28.28	8.3	<2.5	9.2	7.6	860	4,200	NA	No free product or sheen
	02/18/99		13.52	30.15	2.7	<2.5	<2.5	3.9	310	4,200	NA	No free product or sheen
	06/24/99		15.02	28.65	10	<2.5	12	6.5	860	3,400	NA	No free product or sheen
	08/30/99		15.87	27.80	2.0	<0.5	3.9	2.0	140	2,800	NA	No free product or sheen
	11/09/99		16.65	27.02	<0.5	<0.5	3.1	2.0	170	1,500	NA	No free product or sheen
	03/22/00		13.96	29.71	2.8	<2.0	3.6	<2.0	<200	1,200	NA	No free product or sheen
	06/12/00		15.23	28.44	1.3	<1.0	<1.0	<1.0	190	640	NA	No free product or sheen
	11/15/00		17.05	26.62	<1.0	<0.1	<1.0	<1.0	240	960	NA	No free product or sheen
	02/26/01		15.46	28.21	1.2	<1.0	<1.0	<1.0	<100	2,800	NA	No free product or sheen
	05/21/01		16.22	27.45	<2.0	<2.0	<2.0	<2.0	<200	540	NA	No free product or sheen
	09/05/01		11.25	32.42	7.0	<2.0	<2.0	<2.0	<200	550	NA	No free product or sheen
	11/07/01		18.01	25.66	<2.0	<2.0	<2.0	<2.0	290	750	NA	No free product or sheen
	02/11/02	45.98	15.77	30.21	<1.0	<1.0	<1.0	<1.0	270	450	NA	No free product or sheen
	06/03/02		16.35	29.63	<2.0	<2.0	<2.0	<2.0	310	610	26[e]	No free product or sheen
	08/06/02		17.00	28.98	<0.5	<0.5	<0.5	<0.5	170	540	20[e]	No free product or sheen
	11/14/02		16.93	29.05	<2.0	<2.0	<2.0	<2.0	490	900	ND	No free product or sheen
	02/20/03		15.74	30.24	<1.0	<1.0	<1.0	<1.0	210	320	ND	No free product or sheen
	05/15/03		15.60	30.38	<1.5	<1.5	<1.5	<1.5	400	670	ND	No free product or sheen
	07/31/03		16.60	29.38	<1.5	<1.5	<1.5	<1.5	380	620	ND	No free product or sheen
	10/28/03		17.35	28.63	<1.0	<1.0	<1.0	<1.0	230	470	ND	No free product or sheen
	02/28/04		14.65	31.33	<0.5	<0.5	<0.5	<0.5	300	400	ND	No free product or sheen
	04/16/04		15.44	30.54	<1.5	<1.5	<1.5	<1.5	<200	510	ND	No free product or sheen
	07/16/04		15.99	29.99	<1.5	<1.5	<1.5	<1.5	280	660	ND	No free product or sheen
	11/13/04		15.98	30.00	<1.0	<1.0	<1.0	<1.0	<100	530	19[e]	No free product or sheen
	02/04/05		15.27	30.71	<1.0	<1.0	<1.0	<1.0	140	610	18[e]	No free product or sheen
	04/13/05		14.31	31.67	<0.5	<0.5	<0.5	<0.5	<50	19	12[e]	No free product or sheen
	08/10/05		15.77	30.21	<0.5	<0.5	<0.5	<0.5	100	170	17[e]	No free product or sheen
	11/05/05		16.25	29.73	<0.5	<0.5	<0.5	<0.5	220	95	24[e]	No free product or sheen
	01/30/06		14.67	31.31	<0.5	<0.5	<0.5	<0.5	92	120	20[e]	No free product or sheen
	04/28/06		13.70	32.28	<0.5	<0.5	<0.5	<0.5	57	18	13[e]	No free product or sheen
	08/15/06		15.52	30.46	<0.5	<0.5	<0.5	<0.5	60	15	10[e]	No free product or sheen
	10/26/06		16.59	29.39	<0.5	<0.5	<0.5	<0.5	110	34	6.2[e]	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
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44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	43.09	60.00	26.44	<0.5	<0.5	1.9	<0.5	1,600	NA	NA	
	05/14/92		16.64	26.45	1.2	1	1.3	<0.5	740	NA	NA	
	08/27/92		16.61	26.28	6.5	1.1	0.6	<0.5	1,400	NA	NA	
	11/19/92		19.91	23.18	<0.5	<0.5	2.7	<0.5	360	NA	NA	
	02/03/93		15.23	27.86	1.2	1.6	4.5	6.4	590	NA	NA	
	06/23/93		15.55	27.54	<0.5	<0.5	0.52	0.5	160	NA	NA	No free product or sheen
	09/22/93		17.22	25.87	<0.5	0.59	1.2	0.59	290	NA	NA	No free product or sheen
	01/24/94		17.20	25.89	<0.5	<0.5	0.68	<0.5	330	NA	NA	
	04/07/94		16.26	26.83	<0.5	<0.5	<0.5	4.4	490	NA	NA	No free product or sheen
	06/07/94		16.46	26.63	<0.5	<0.5	1.5	<0.5	550	NA	NA	No free product or sheen
	09/28/94		18.06	25.03	<0.5	<0.5	<0.5	<0.5	190	NA	NA	No free product or sheen
	12/14/94		16.86	26.23	7.2	0.84	<0.5	<0.5	1,400	NA	NA	No free product or sheen
	03/15/95		14.08	29.01	39	<0.5	0.53	<0.5	730	NA	NA	No free product or sheen
	06/13/95		14.67	28.42	8.3	<0.5	<0.5	<0.5	750[a]	NA	NA	No free product or sheen
	09/28/95		16.07	27.02	<0.5	<0.5	<0.5	<0.5	670[a]	NA	NA	No free product or sheen
	12/28/95		16.46	26.63	9.5	<5.0	<5.0	5.2	3,100	4,600	NA	No free product or sheen
	03/12/96		13.11	29.98	<1.3	<1.3	<1.3	<1.3	710	3,200	NA	No free product or sheen
	06/11/96		14.14	28.95	1.6	<1.3	<1.3	<1.3	1,900[a]	5,100	NA	No free product or sheen
	10/02/96		15.71	27.38	<2.5	<2.5	<2.5	<2.5	2,800	7,900	NA	No free product or sheen
	01/28/97		12.05	31.04	<0.5	<0.5	<0.5	<0.5	130	210	NA	No free product or sheen
	05/20/97		14.65	28.44	120	16	<2.5	4.0	1,400	390	NA	No free product or sheen
	08/18/97		16.00	27.09	<2.5	<2.5	<2.5	<2.5	<250	2,000	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.75	26.34	<2.5	<2.5	<2.5	<2.5	<250	2,900/2,900[b]	NA	No free product or sheen
	03/31/98		11.54	31.55	<0.5	<0.5	<0.5	<0.5	<10,000	85,000	NA	No free product or sheen
	05/26/98		12.78	30.31	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<500	<500	<500	<500	<50,000	97,000	NA	No free product or sheen
	08/19/98		14.40	28.69	<0.5	<0.5	<0.5	<0.5	210	22,000	NA	No free product or sheen
	11/17/98		15.18	27.91	<0.5	<0.5	<0.5	<0.5	<50	17,000	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/99	43.09	14.07	29.02	<0.5	<0.5	<0.5	<0.5	<50	13,000	NA	No free product or sheen
(Cont.)	06/24/99		14.70	28.39	<15	<0.5	<0.5	<0.5	180	39,000	NA	No free product or sheen
	08/30/99		15.46	27.63	<25	<25	<25	<25	<2,500	18,000	NA	No free product or sheen
	11/09/99		16.03	27.06	<5.0	<5.0	<5.0	<5.0	<500	14,000	NA	No free product or sheen
	03/22/00		13.05	30.04	<5.0	<5.0	<5.0	<5.0	<500	54,000	NA	No free product or sheen
	06/12/00		14.50	28.59	<20	<20	<20	<20	<2,000	53,000	NA	No free product or sheen
	11/15/00		16.28	26.81	<50	<50	<50	<50	<5,000	35,000	NA	No free product or sheen
	02/26/01		14.98	28.11	<20	<20	<20	<20	<2,000	2,800	NA	No free product or sheen
	05/21/01		15.45	27.64	<25	<25	<25	<25	<5,000	20,000	NA	No free product or sheen
	09/05/01		15.17	27.92	<20	<20	<20	<20	<2,000	12,000	NA	No free product or sheen
	11/07/01		17.05	26.04	<20	<20	<20	<20	<2,000	7,600	NA	No free product or sheen
	02/11/02	45.23	13.29	31.94	<5.0	<5.0	<5.0	<5.0	<500	1,500	NA	No free product or sheen
	06/03/02		14.84	30.39	<5.0	<5.0	<5.0	<5.0	<500	2,200	190[e]	No free product or sheen
	08/06/02		14.85	30.38	<5.0	<5.0	<5.0	<5.0	<500	3,300	110[e]	No free product or sheen
	11/14/02		15.35	29.88	<10	<10	<10	<10	<1,000	3,200	120[e]	No free product or sheen
	02/20/03		14.08	31.15	<0.5	<0.5	<0.5	<0.5	<50	160	ND	No free product or sheen
	05/15/03		14.55	30.68	<0.5	<0.5	<0.5	<0.5	<50	270	ND	No free product or sheen
	07/31/03		15.30	29.93	<0.5	<0.5	<0.5	<0.5	<50	300	ND	No free product or sheen
	10/28/03		14.93	30.30	<0.5	<0.5	<0.5	<0.5	<50	1,600	20[e], 1.8[f]	No free product or sheen
	02/28/04		13.56	31.67	<0.5	<0.5	<0.5	<0.5	<50	340	ND	No free product or sheen
	04/16/04		14.40	30.83	<0.5	<0.5	<0.5	<0.5	<50	130	35[e]	No free product or sheen
	07/16/04		15.03	30.20	<0.5	<0.5	<0.5	<0.5	<50	68	ND	No free product or sheen
	11/13/04		15.00	30.23	<0.5	<0.5	<0.5	<0.5	<50	35	ND	No free product or sheen
	02/04/05		14.26	30.97	<0.5	<0.5	<0.5	<0.5	<50	22	ND	No free product or sheen
	04/13/05		13.19	32.04	<0.5	<0.5	<0.5	<0.5	<50	11	ND	No free product or sheen
	08/10/05		14.84	30.39	<0.5	<0.5	<0.5	<0.5	<50	12	ND	No free product or sheen
	11/05/05		15.39	29.84	<0.5	<0.5	<0.5	<0.5	<50	11	ND	No free product or sheen
	01/30/06		13.54	31.69	<0.5	<0.5	<0.5	<0.5	<50	5.2	ND	No free product or sheen
	04/28/06		12.55	32.68	<0.5	<0.5	<0.5	<0.5	<50	1.3	ND	No free product or sheen
	08/15/06		14.57	30.66	<0.5	<0.5	<0.5	<0.5	<50	2.7	ND	No free product or sheen
	10/26/06		15.54	29.69	<0.5	<0.5	<0.5	<0.5	<50	1.9	ND	No free product or sheen

TABLE 1

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Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	43.10	16.89	26.21	NS	NS	NS	NS	NS	NS	NS	
	05/14/92		16.60	26.50	NS	NS	NS	NS	NS	NS	NS	
	05/15/92		NM	NC	6,300	5,900	1,700	6,100	160,000	NA	NA	
	08/27/92		18.96	24.14	NS	NS	NS	NS	NS	NS	NS	
	08/28/92		NM	NC	2,500	40,000	6,700	44,000	1,300,000	NA	NA	
	11/18/92		20.38	23.01	NS	NS	NS	NS	NS	NS	NS	
	11/19/92		NM	NC	NS	NS	NS	NS	NS	NS	NS	
	02/03/93		15.43	27.67	7,200	11,000	2,900	13,000	82,000	NA	NA	
	06/23/93		15.67	27.43	3,200	5,300	2,500	9,100	61,000	NA	NA	Product sheen
	09/22/93		17.20	25.90	12,000	14,000	3,900	18,000	94,000	NA	NA	No free product or sheen
	01/24/94		17.35	25.75	14,000	17,000	4,200	14,000	110,000	NA	NA	
	04/07/94		14.48	28.62	6,500	1,800	1,700	4,100	28,000	NA	NA	No free product or sheen
	06/07/94		13.37	29.73	6,400	2,300	1,500	3,500	27,000	NA	NA	Product sheen
	09/28/94		18.05	25.05	7,400	4,300	1,500	4,600	40,000	NA	NA	No free product or sheen
	12/14/94		16.92	26.18	17,000	21,000	3,900	22,000	140,000	NA	NA	Product sheen
	03/15/95		14.22	28.88	4,900	1,900	1,800	7,100	58,000	NA	NA	Product sheen
	06/13/95		14.49	28.61	7,200	2,900	1,200	4,600	44,000	NA	NA	Product sheen
	09/28/95		15.17	27.93	5,600	2,100	1,900	6,900	30,000	NA	NA	No free product or sheen
	12/28/95		15.45	27.65	32	5.8	18	4,700	16,000	360	NA	No free product or sheen
	01/30/96		NM	NC	850	800	190	1,700	8,700	430	NA	Not measured
	03/12/96		11.35	31.75	48	64	5.3	630	2,400	97	NA	No free product or sheen
	06/11/96		Dry	Dry	NS	NS	NS	NS	NS	NS	NS	Dry
	10/02/96		Dry	Dry	NS	NS	NS	NS	NS	NS	NS	Dry
	01/28/97		Dry	Dry	NS	NS	NS	NS	NS	NS	NS	Dry
	05/20/97		Dry	Dry	NS	NS	NS	NS	NS	NS	NS	Plugged at 14 feet
	07/10/97		NM	NC	<0.50	<0.50	<0.50	4.8	300	40	NA	Not measured
	08/18/97		16.05	27.05	480	8.4	100	230	3,600	170	NA	No free product or sheen
	09/29/97		NM	NC	740	8.6	160	240	3500	210	NA	Not measured
	11/05/97		16.78	26.32	870	15	180	210	4,100	240/210[b]	NA	No free product or sheen

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San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	03/31/98	43.10	11.55	31.55	1,800	600	410	1,400	12,000	510	NA	No free product or sheen
(Cont.)	05/26/98		12.80	30.30	NS	NS	NS	NS	NS	NS	NA	No free product or sheen
	05/28/98		NM	NC	1,500	400	280	870	6,500	480	NA	No free product or sheen
	08/19/98		14.27	28.83	130	11	24	60	1,400	140	NA	No free product or sheen
	11/17/98		15.11	27.99	48	3.5	9.9	14	510	120	NA	No free product or sheen
	02/18/99		13.30	29.80	67	28	24	81	690	88	NA	No free product or sheen
	06/24/99		14.44	28.66	27	21	8.6	32	540	61	NA	No free product or sheen
	08/30/99		15.05	28.05	12	12	3.2	13	250	50	NA	No free product or sheen
	11/09/99		15.72	27.38	9.8	5.3	3.4	10	230	48	NA	No free product or sheen
	03/22/00		13.21	29.89	180	47	46	100	1,500	80	NA	No free product or sheen
	06/12/00		14.31	28.79	100	6.2	20	25	920	76	NA	No free product or sheen
	11/15/00		16.13	26.97	280	5.0	21	20	1,100	140	NA	No free product or sheen
	02/26/01		14.48	28.62	14	4.3	3.1	11	140	230	NA	No free product or sheen
	05/21/01		15.30	27.80	36	0.72	1.0	2.2	510	280	NA	No free product or sheen
	09/05/01		16.10	27.00	59	0.53	0.75	0.57	390	620	NA	No free product or sheen
	11/07/01		17.40	25.70	170	2.3	4.9	4.8	830	900	NA	No free product or sheen
	02/11/02	45.21	13.56	31.65	17	<2.5	4.7	7.9	370	1,200	NA	No free product or sheen
	06/03/02		15.54	29.67	120	<2.5	5.6	8.4	460	1,400	140[e]	No free product or sheen
	08/06/02		16.20	29.01	110	<5.0	<5.0	<5.0	800	2,200	170[e]	No free product or sheen
	11/14/02		16.50	28.71	89	<10	<10	<10	1,400	2,800	210[e]	No free product or sheen
	02/20/03		14.99	30.22	14	<5.0	<5.0	<5.0	<500	2,300	97[e]	No free product or sheen
	05/15/03		14.96	30.25	43	<5.0	<5.0	<5.0	<500	2,000	87[e]	No free product or sheen
	07/31/03		15.40	29.81	280	<5.0	6.6	7.4	1,500	1,600	130[e]	No free product or sheen
	10/28/03		16.20	29.01	140	1.6	6.5	4.0	2,200	1,100	74[e], 0.75[f]	No free product or sheen
	02/28/04		13.86	31.35	99	31	12	52	1,200	1,500	82[e]	No free product or sheen
	04/16/04		14.89	30.32	95	19	12	48	1,200	1,100	340[e]	No free product or sheen
	07/16/04		15.42	29.79	94	27	9.4	38	980	810	580[e]	No free product or sheen
	11/13/04		14.97	30.24	580	52	440	1,600	9,000	450	440[e]	No free product or sheen
	02/04/05		14.22	30.99	350	29	260	1,100	5,400	270	390[e]	No free product or sheen
	04/13/05		13.44	31.77	1,300	84	1,200	3,200	20,000	290	150[e]	No free product or sheen
	08/10/05		14.80	30.41	400	23	340	1,200	7,100	110	160[e]	No free product or sheen
	11/05/05		15.22	29.99	230	10	250	600	4,100	81	200[e]	No free product or sheen
	01/30/06		13.69	31.52	460	20	470	1,000	6,100	85	190[e]	No free product or sheen
	04/28/06		12.68	32.53	510	15	490	940	8,200	81	90[e]	No free product or sheen
	08/15/06		14.54	30.67	470	11	500	680	5,600	80	92[e]	No free product or sheen
	10/26/06		23.85	21.36	82	4.2	38	220	1,800	53	45[e]	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	44.66	18.51	26.15	<0.5	<0.5	12	21	5,100	NA	NA	
	05/14/92		18.22	26.44	<0.5	5.6	1.8	2.2	4,600	NA	NA	
	08/27/92		20.47	24.19	NS	NS	NS	NS	NS	NS	NS	
	08/28/92		NM	NC	6.6	1.3	1.6	3.1	1,700	NA	NA	
	11/19/92		21.58	23.08	<0.5	<0.5	<0.5	<0.5	400	NA	NA	
	02/03/93		16.98	27.68	<0.5	<0.5	<0.5	<0.5	1,100	NA	NA	
	06/23/93		17.23	27.43	<0.5	<0.5	<0.5	<0.5	120	NA	NA	No free product or sheen
	09/22/93		18.83	25.83	<0.5	<0.5	<0.5	<0.5	110	NA	NA	No free product or sheen
	01/24/94		18.86	25.80	<0.5	<0.5	<0.5	<0.5	260	NA	NA	
	04/07/94		17.90	26.76	<0.5	<0.5	<0.5	<0.5	430	NA	NA	No free product or sheen
	06/07/94		18.08	26.58	<0.5	<0.5	<0.5	<0.5	150	NA	NA	No free product or sheen
	09/28/94		19.70	24.96	<0.5	<0.5	<0.5	<0.5	75	NA	NA	No free product or sheen
	12/14/94		18.55	26.11	<0.5	<0.5	<0.5	<0.5	160	NA	NA	No free product or sheen
	03/15/95		16.14	28.52	<0.5	<0.5	<0.5	<0.5	500	NA	NA	No free product or sheen
	06/13/95		16.41	28.25	<0.5	<0.5	<0.5	<0.5	210[a]	NA	NA	No free product or sheen
	09/28/95		17.88	26.78	<0.5	<0.5	<0.5	<0.5	140[a]	NA	NA	No free product or sheen
	12/28/95		17.81	26.85	<0.5	<0.5	<0.5	<0.5	510[a]	<5.0	NA	No free product or sheen
	03/12/96		14.77	29.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/11/96		15.88	28.78	<0.5	<0.5	<0.5	<0.5	50[a]	<5.0	NA	No free product or sheen
	10/02/96		17.40	27.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		14.11	30.55	<0.5	<0.5	<0.5	<0.5	270[a]	<5.0	NA	No free product or sheen
	05/20/97		16.24	28.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		17.59	27.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		18.24	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5[b]	NA	No free product or sheen
	03/31/98		13.61	31.05	<0.5	<0.5	<0.5	<0.5	110	<5.0	NA	No free product or sheen
	05/26/98		14.78	29.88	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	94	<5.0	NA	No free product or sheen
	08/19/98		16.15	28.51	<0.5[c]	<0.5[c]	<0.5[c]	<0.5[c]	120[c]	46[c]	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-4	11/17/98	44.66	16.93	27.73	1.3	<0.5	<0.5	<0.5	<50	780	NA	No free product or sheen
(Cont.)	02/18/99		15.30	29.36	8.2	<0.5	<0.5	<0.5	130	240	NA	No free product or sheen
	06/24/99		16.35	28.31	<1.0	<0.5	<0.5	<0.5	<50	2,100	NA	No free product or sheen
	08/30/99		17.12	27.54	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.60	27.06	<0.5	<0.5	<0.5	<0.5	<50	2,500	NA	No free product or sheen
	03/22/00		14.98	29.68	<0.5	<0.5	<0.5	<0.5	69	12,000	NA	No free product or sheen
	06/12/00		16.26	28.40	<20	<20	<20	<20	<2,000	17,000	NA	No free product or sheen
	11/15/00		17.98	26.68	<1.0	<1.0	<1.0	<1.0	<100	17,000	NA	No free product or sheen
	02/26/01		16.31	28.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		17.15	27.51	<25	<25	<25	<25	<5,000	13,000	NA	No free product or sheen
	09/05/01		18.22	26.44	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/07/01		19.01	25.65	<10	<10	<10	<10	<1,000	3,800	NA	No free product or sheen
	02/11/02	46.98	16.68	30.30	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	06/03/02		17.29	29.69	<2.0	<2.0	<2.0	<2.0	<200	1,100	38[e], 2.0[f]	No free product or sheen
	08/06/02		17.92	29.06	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/14/02		17.92	29.06	<2.0	<2.0	<2.0	<2.0	<200	700	ND	No free product or sheen
	02/20/03		16.72	30.26	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	05/15/03		16.51	30.47	<0.5	<0.5	<0.5	<0.5	<50	73	ND	No free product or sheen
	07/31/03		17.41	29.57	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/28/03		18.30	28.68	<0.5	<0.5	<0.5	<0.5	<50	65	ND	No free product or sheen
	02/28/04		15.82	31.16	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		16.42	30.56	<0.5	<0.5	<0.5	<0.5	<50	6.2	ND	No free product or sheen
	07/16/04		16.94	30.04	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		17.00	29.98	<0.5	<0.5	<0.5	<0.5	<50	50	ND	No free product or sheen
	02/04/05		16.25	30.73	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		15.33	31.65	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		16.74	30.24	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		17.23	29.75	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		15.62	31.36	<0.5	<0.5	<0.5	<0.5	<50	3.5	ND	No free product or sheen
	04/28/06		14.71	32.27	<0.5	<0.5	<0.5	<0.5	<50	0.89	ND	No free product or sheen
	08/15/06		16.46	30.52	<0.5	<0.5	<0.5	<0.5	<50	8.8	ND	No free product or sheen
	10/26/06		17.45	29.53	<0.5	<0.5	<0.5	<0.5	<50	7.7	ND	No free product or sheen

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Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	43.79	17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	05/14/92		17.29	26.50	<0.5	<0.05	<0.5	<0.5	<50	NA	NA	
	08/27/92		22.18	21.61	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		20.68	23.11	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	02/03/93		15.91	27.88	3.0	2.7	8.0	9.9	55	NA	NA	
	06/23/93		16.24	27.55	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		17.93	25.86	0.66	1.1	<0.5	0.6	<50	NA	NA	No free product or sheen
	01/24/94		17.82	25.97	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	04/07/94		16.91	26.88	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		17.10	26.69	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		18.73	25.06	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		17.53	26.26	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		14.96	28.83	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		15.30	28.49	<0.5	0.52	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		16.74	27.05	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		15.10	28.69	<0.5	<0.5	<0.5	<0.5	120	<5.0	NA	No free product or sheen
	03/12/96		13.67	30.12	<0.5	<0.5	<0.5	<0.5	<50	9	NA	No free product or sheen
	06/11/96		14.88	28.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		16.42	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.83	30.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		15.33	28.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		16.69	27.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5[b]	NA	No free product or sheen
	03/31/98		12.40	31.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		13.62	30.17	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		15.19	28.60	<0.5	<0.5	<0.5	<0.5	<50	7.1	NA	No free product or sheen
	11/17/98		15.89	27.90	<0.5	<0.5	<0.5	<0.5	<50	6.3	NA	No free product or sheen

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44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/99	43.79	14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		15.29	28.50	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		16.07	27.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		16.61	27.18	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		15.08	28.71	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.71	27.08	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		15.05	28.74	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.91	27.88	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.99	26.80	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.51	26.28	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	46.12	14.31	31.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.96	31.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.65	30.47	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.69	30.43	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		14.19	31.93	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		15.44	30.68	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		16.48	29.64	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		16.92	29.20	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/28/04		14.64	31.48	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		15.28	30.84	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04		15.88	30.24	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		15.98	30.14	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	02/04/05		15.17	30.95	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		14.12	32.00	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		15.69	30.43	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		16.32	29.80	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		14.49	31.63	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/28/06		13.51	32.61	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/15/06		15.46	30.66	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/26/06		16.42	29.70	NS	NS	NS	NS	NS	NS	NA	Not Sampled

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GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	42.47	15.87	26.60	4.8	<0.5	<0.5	<0.5	370	NA	NA	
	05/14/92		16.04	26.43	<0.5	<0.5	<0.5	<0.5	120	NA	NA	
	08/27/92		18.17	24.30	1.2	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		19.30	23.17	1.3	<0.5	1	1.1	66	NA	NA	
	02/03/93		14.60	27.87	1.9	2.6	23	12	100	NA	NA	
	06/23/93		15.00	27.47	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		16.66	25.81	2.2	3.8	0.53	2.7	81	NA	NA	No free product or sheen
	01/24/94		16.52	25.95	<0.5	<0.5	<0.5	<0.5	98	NA	NA	
	04/07/94		15.70	26.77	0.71	<0.5	<0.5	<0.5	150	NA	NA	No free product or sheen
	06/07/94		15.88	26.59	<0.5	<0.5	<0.5	<0.5	180	NA	NA	No free product or sheen
	09/28/94		17.51	24.96	<0.5	<0.5	<0.5	<0.5	100	NA	NA	No free product or sheen
	12/14/94		16.27	26.20	<0.5	<0.5	<0.5	<0.5	140	NA	NA	No free product or sheen
	03/15/95		13.52	28.95	<0.5	<0.5	<0.5	<0.5	110	NA	NA	No free product or sheen
	06/13/95		13.96	28.51	<0.5	0.87	<0.5	<0.5	150[a]	NA	NA	No free product or sheen
	09/28/95		15.61	26.86	0.78	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		15.54	26.93	<0.5	<0.5	<0.5	6.3	410	70	NA	No free product or sheen
	01/30/96		NM	NC	1.0	<0.5	<0.5	11	81	46	NA	Not measured
	03/12/96		11.88	30.59	<0.5	<0.5	<0.5	<0.5	<50	7	NA	No free product or sheen
	06/11/96		13.52	28.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		15.10	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		11.18	31.29	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		14.00	28.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		15.54	26.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.22	<0.5	<0.5	<0.5	<0.5	<50	<5.0/2.8[b]	NA	No free product or sheen
	03/31/98		10.60	31.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		12.01	30.46	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		13.60	28.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen

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44 Lewelling Boulevard
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Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	11/17/98	42.47	14.53	27.94	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	02/18/99		12.39	30.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/24/99		13.89	28.58	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.75	27.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.18	27.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		12.30	30.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		13.69	28.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.73	26.74	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.42	28.05	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.23	27.24	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.31	26.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.01	25.46	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	44.79	15.72	29.07	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		16.39	28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		18.90	25.89	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		18.93	25.86	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		15.64	29.15	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		14.07	30.72	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		15.21	29.58	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		15.73	29.06	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/28/04		13.12	31.67	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		13.92	30.87	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04		14.53	30.26	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		14.62	30.17	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	02/04/05		13.74	31.05	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		15.59	29.20	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		14.33	30.46	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		14.98	29.81	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		12.99	31.80	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/28/06		11.90	32.89	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/15/06		14.13	30.66	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/26/06		15.08	29.71	NS	NS	NS	NS	NS	NS	NA	Not Sampled

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GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	41.54	15.51	26.03	16	<0.5	10	16	670	NA	NA	
	05/14/92		15.41	26.13	44	<0.5	38	88	1,500	NA	NA	
	08/27/92		17.45	24.09	400	5.8	290	1,400	23,000	NA	NA	
	11/19/92		18.54	23.00	29	<0.5	10	53	330	NA	NA	
	02/03/93		14.10	27.44	200	<0.5	110	480	2,000	NA	NA	
	06/23/93		14.33	27.21	20	<0.5	16	16	280	NA	NA	No free product or sheen
	09/22/93		15.92	25.62	71	2.2	33	210	860	NA	NA	No free product or sheen
	01/24/94		16.07	25.47	61	<1.3	10	160	900	NA	NA	
	04/07/94		15.10	26.44	53	<0.5	7.1	49	630	NA	NA	
	06/07/94		15.16	26.38	55	<0.5	14	24	730	NA	NA	No free product or sheen
	09/28/94		16.82	24.72	21	<0.5	2.3	3.1	300	NA	NA	No free product or sheen
	12/14/94		15.75	25.79	19	<0.5	3.3	32	430	NA	NA	No free product or sheen
	03/15/95		14.00	27.54	0.88	<0.5	<0.5	<0.5	70	NA	NA	No free product or sheen
	06/13/95		13.44	28.10	7.3	0.79	7.6	8.9	190	NA	NA	No free product or sheen
	09/28/95		14.84	26.70	1.5	<0.5	1.2	0.84	60	NA	NA	No free product or sheen
	12/28/95		14.55	26.99	<0.5	<0.5	0.91	0.69	60	10	NA	No free product or sheen
	03/12/96		11.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	NA	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	NA	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	NA	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0[b]	NA	No free product or sheen
	03/31/98		10.25	31.29	<0.5	<0.5	<0.5	1.3	<5.0	6	NA	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	10	NA	No free product or sheen
	08/19/98		13.08	28.46	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No free product or sheen
	11/17/98		13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/99	41.54	12.16	29.38	<0.5	<0.5	<0.5	<0.5	51	22	NA	No free product or sheen
(Cont.)	06/24/99		13.35	28.19	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.23	27.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		14.60	26.94	<0.5	<0.5	<0.5	<0.5	<50	16	NA	No free product or sheen
	03/22/00		11.91	29.63	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	06/12/00		13.28	28.26	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.12	26.42	<0.5	<0.5	<0.5	<0.5	<50	17	NA	No free product or sheen
	02/26/01		13.46	28.08	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	05/21/01		14.31	27.23	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	09/05/01		15.42	26.12	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/07/01		16.18	25.36	<0.5	<0.5	<0.5	<0.5	<50	5.4	NA	Not Sampled
	02/11/02	43.85	13.76	30.09	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.33	29.52	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.04	28.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.05	28.80	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	ND	No free product or sheen
	02/20/03		14.01	29.84	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		13.81	30.04	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		14.99	28.86	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		15.48	28.37	<0.5	<0.5	<0.5	<0.5	<0.5	<50	ND	No free product or sheen
	02/28/04		12.87	30.98	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		13.54	30.31	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04		13.96	29.89	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		14.13	29.72	<0.5	<0.5	<0.5	<0.5	<0.5	<50	ND	No free product or sheen
	02/04/05		13.22	30.63	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		12.15	31.70	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		13.69	30.16	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		14.25	29.60	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		12.59	31.26	<0.5	<0.5	<0.5	<0.5	<0.5	<50	ND	No free product or sheen
	04/28/06		11.50	32.35	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/15/06		13.51	30.34	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/26/06		14.48	29.37	NS	NS	NS	NS	NS	NS	NA	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	42.26	16.57	25.69	<0.5	<0.5	9.5	<0.5	1,200	NA	NA	
	05/14/92		16.24	26.02	<0.5	<0.5	<0.5	<0.5	130	NA	NA	
	08/27/92		18.28	23.98	<0.5	<0.5	<0.5	<0.5	140	NA	NA	
	11/19/92		19.32	22.94	<0.5	<0.5	2.0	<0.5	320	NA	NA	
	02/03/93		14.87	27.39	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	06/23/93		15.18	27.08	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		18.79	23.47	<0.5	0.67	<0.5	<0.5	<50	NA	NA	No free product or sheen
	01/24/94		17.06	25.20	<0.5	<0.5	<0.5	<0.5	290	NA	NA	
	04/07/94		15.95	26.31	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		15.10	27.16	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		17.63	24.63	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		16.66	25.60	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		14.30	27.96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		14.37	27.89	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		15.62	26.64	NS	NS	NS	NS	NS	NA	NA	No free product or sheen
	12/28/95		15.62	26.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		12.75	29.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/11/96		13.94	28.32	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		15.41	26.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.30	29.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		14.42	27.84	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		16.16	26.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5[b]	NA	No free product or sheen
	03/31/98		11.49	30.77	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		12.60	29.66	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		14.15	28.11	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free Product or sheen
	11/17/98		14.98	27.28	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/99	42.26	13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		14.35	27.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		15.16	27.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.61	26.65	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		14.19	28.07	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.04	26.22	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		12.99	29.27	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		13.86	28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		14.91	27.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		15.62	26.64	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	44.85	13.55	31.30	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		13.96	30.89	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.82	29.03	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.86	28.99	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		14.70	30.15	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		14.50	30.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		15.73	29.12	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		16.14	28.71	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/28/04		14.02	30.83	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		14.52	30.33	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04		14.88	29.97	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		15.12	29.73	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	02/04/05		14.17	30.68	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		13.16	31.69	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		14.41	30.44	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		14.87	29.98	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		13.65	31.20	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/28/06		12.63	32.22	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/15/06		14.42	30.43	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/26/06		15.32	29.53	NS	NS	NS	NS	NS	NS	NA	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/92	44.94	18.87	26.07	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	05/14/92		18.55	26.39	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	08/27/92		20.80	24.14	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		21.90	23.04	<0.5	<0.5	<0.5	1.3	<50	NA	NA	
	02/03/93		17.25	27.69	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	06/23/93		17.61	27.33	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		19.18	25.76	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	01/24/94		19.17	25.77	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	04/07/94		18.23	26.71	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		18.40	26.54	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		20.01	24.93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		18.88	26.06	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		16.24	28.70	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		16.75	28.19	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		18.04	26.90	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		17.87	27.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	06/11/96		16.26	28.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		17.74	27.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		14.51	30.43	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		16.73	28.21	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		18.61	26.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5[b]	NA	No free product or sheen
	03/31/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	05/26/98		15.28	29.66	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	08/19/98		16.55	28.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	11/17/98		17.32	27.62	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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	02/18/99	44.94	15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		16.73	28.21	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		17.48	27.46	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.98	26.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		18.65	26.29	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.80	30.14	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.68	29.26	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.23	27.71	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	47.26	17.16	30.10	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		17.66	29.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No free product or sheen
	08/06/02		18.26	29.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen
	11/14/02		18.33	28.93	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		16.85	30.41	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		16.63	30.63	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		17.58	29.68	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		17.93	29.33	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/28/04		16.22	31.04	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		16.82	30.44	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04		17.33	29.93	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/13/04		17.42	29.84	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	02/04/05		16.68	30.58	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/13/05		15.78	31.48	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/10/05		17.11	30.15	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/05/05		17.59	29.67	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	01/30/06		16.06	31.20	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/28/06		12.50	34.76	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	08/15/06		16.87	30.39	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	10/26/06		17.87	29.39	NS	NS	NS	NS	NS	NS	NA	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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-10	02/18/92	42.34	16.63	25.71	110	57	440	53	18,000	NA	NA	
	05/14/92		15.25	27.09	NS	NS	NS	NS	NS	NS	NS	
	05/15/92		NM	NC	24	9.8	97	<0.5	8,500	NA	NA	
	08/27/92		18.35	23.99	NS	NS	NS	NS	NS	NS	NS	
	08/29/92		NM	NC	20	2.8	40	3.5	9,600	NA	NA	
	11/19/92		19.43	22.91	36	21	330	31	5,700	NA	NA	
	02/03/93		15.01	27.33	15	4.6	36	9.6	2,200	NA	NA	
	06/23/93		15.30	27.04	21	24	540	45	8,100	NA	NA	No free product or sheen
	09/22/93		16.90	25.44	22	17	350	16	6,200	NA	NA	No free product or sheen
	01/24/94		NM	NC	NS	NS	NS	NS	NS	NA	NA	Not measured
	04/07/94		15.97	26.37	6.4	2.9	150	4.7	4,000	NA	NA	No free product or sheen
	06/07/94		16.04	26.30	5.6	<2.5	150	5.7	6,700	NA	NA	No free product or sheen
	09/28/94		17.69	24.65	2.2	2.6	110	44	5,700	NA	NA	No free product or sheen
	12/14/94		16.65	25.69	<1.3	<1.3	77	27	3,500	NA	NA	No free product or sheen
	03/15/95		14.08	28.26	<5.0	6.7	150	23	7,200	NA	NA	No free product or sheen
	06/13/95		14.49	27.85	9	48	610	130	8,400	NA	NA	No free product or sheen
	09/28/95		15.81	26.53	22	17	360	24	6,300	NA	NA	No free product or sheen
	12/28/95		15.46	26.88	4.4	5.6	340	11	5,000	37	NA	No free product or sheen
	03/12/96		12.62	29.72	1.4	5.9	41	73	4,500	120	NA	No free product or sheen
	06/11/96		14.40	27.94	<5.0	25	350	81	7,500	<25	NA	No free product or sheen
	10/02/96		15.47	26.87	18	<2.5	<2.5	<2.5	2,600	<25	NA	No free product or sheen
	01/28/97		15.69	26.65	5.9	<2.5	29	19	2,800	<25	NA	No free product or sheen
	05/20/97		14.48	27.86	<20	34	290	74	6,000	<100	NA	No free product or sheen
	08/18/97		15.91	26.43	<20	7.7	94	15	5,900	<50	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.32	26.02	1.1	0.86	47	1.6	5,400	<50/2.3[b]	NA	No free product or sheen
	03/31/98		12.25	30.09	56	180	1,400	3,700	20,000	250	NA	No free product or sheen
	05/26/98		12.97	29.37	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	76	200	1,600	3,900	16,000	190	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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-10	08/19/98	42.34	14.27	28.07	95	160	1,300	1,700	14,000	<100	NA	No free product or sheen
(Cont.)	11/17/98		15.08	27.26	82	64	590	150	7500	290	NA	No free product or sheen
	02/18/99		13.61	28.73	41	16	270	79	4,700	<100	NA	No free product or sheen
	06/24/99		14.50	27.84	27	74	280	160	9,400	300	NA	No free product or sheen
	08/30/99		15.26	27.08	15	33	160	33	8,500	290	NA	No free product or sheen
	11/09/99		15.72	26.62	3.9	11	60	14	7,600	120	NA	No free product or sheen
	03/22/00		13.40	28.94	3.5	33	360	320	5,800	160	NA	No free product or sheen
	06/12/00		14.42	27.92	4.3	47	370	210	7,200	270	NA	No free product or sheen
	11/15/00		16.75	25.59	0.54	2.2	3.8	7.3	4,400	420	NA	No free product or sheen
	02/26/01		14.73	27.61	<1.0	2.5	24	13	5,000	860	NA	No free product or sheen
	05/21/01		15.25	27.09	<0.5	3.2	4.1	12	3,500	530	NA	No free product or sheen
	09/05/01		16.35	25.99	<2.0	<2.0	<2.0	4.1	3,400	770	NA	No free product or sheen
	11/07/01		17.05	25.29	<0.5	0.64	0.75	2.7	3,600	790	NA	No free product or sheen
	02/11/02	44.65	14.94	29.71	<2.0	2.2	61	26	4,100	750	NA	No free product or sheen
	06/03/02		15.41	29.24	<1.0	7.0	67	37	4,100	320	26[e]	No free product or sheen
	08/06/02		15.98	28.67	<1.0	5.4	18	18	4,500	310	18[e]	No free product or sheen
	11/14/02		16.10	28.55	<1.0	<1.0	2.2	6.4	5,200	280	13[e]	No free product or sheen
	02/20/03		14.90	29.75	<1.5	9.5	280	69	6,300	220	ND	No free product or sheen
	05/15/03		14.69	29.96	1.2	14	280	78	5,700	130	11[e]	No free product or sheen
	07/31/03		15.63	29.02	<0.5	4.5	20	17	4,700	110	7.5[e]	No free product or sheen
	10/28/03		16.39	28.26	<0.5	0.54	0.80	2.9	1,900	88	5.9[e]	No free product or sheen
	02/28/04		14.01	30.64	<1.0	<1.0	17	7.9	3,500	44	ND	No free product or sheen
	04/16/04		14.69	29.96	<1.5	3.0	150	34	6,000	53	ND	No free product or sheen
	07/16/04		15.09	29.56	<1.0	3.5	110	29	6,300	40	ND	No free product or sheen
	11/13/04		15.24	29.41	<0.5	4.8	42	23	4,900	25	ND	No free product or sheen
	02/04/05		14.43	30.22	<0.5	3.3	46	30	5,000	21	ND	No free product or sheen
	04/13/05		13.61	31.04	0.81	6.5	200	120	4,000	29	ND	No free product or sheen
	08/10/05		14.82	29.83	2.0	6.5	74	72	6,600	29	ND	No free product or sheen
	11/05/05		15.20	29.45	3.0	9.7	17	56	6,000	5.5	ND	No free product or sheen
	01/30/06		13.97	30.68	1.8	3.9	61	29	3,800	16	ND	No free product or sheen
	04/28/06		13.22	31.43	3.1	7.0	210	120	5,800	38	8.4[e]	No free product or sheen
	08/15/06		14.63	30.02	1.7	4.2	22	40	5,400	42	7.3[e]	No free product or sheen
	10/26/06		15.49	29.16	0.71	2.2	4.8	25	5,000	24	5.0[e]	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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-11	02/18/92	45.00	17.00	28.00	<0.5	<0.5	<0.5	<0.5	2,400	NA	NA	
	05/14/92		19.02	25.98	<0.5	1.9	1.3	0.7	1,600	NA	NA	
	08/27/92		21.13	23.87	15	2	0.6	1.2	2,100	NA	NA	
	11/19/92		17.91	27.09	<0.5	<0.5	<0.5	<0.5	490	NA	NA	
	02/03/92		17.91	27.09	<0.5	<0.5	0.55	<0.5	500	NA	NA	
	06/23/93		18.14	26.86	<0.5	<0.5	<0.5	<0.5	350	NA	NA	No free product or sheen
	09/22/93		19.63	25.37	<0.5	0.65	<0.5	0.71	200	NA	NA	No free product or sheen
	01/24/94		19.79	25.21	<0.5	<0.5	<0.5	<0.5	450	NA	NA	
	04/07/94		18.78	26.22	<0.5	<0.5	<0.5	<0.5	500	NA	NA	No free product or sheen
	06/07/94		18.88	26.12	<0.5	<0.5	<0.5	0.64	560	NA	NA	No free product or sheen
	09/28/94		20.45	24.55	<0.5	<0.5	<0.5	<0.5	600	NA	NA	No free product or sheen
	12/14/94		19.45	25.55	<0.5	<0.5	<0.5	<0.5	340	NA	NA	No free product or sheen
	03/15/95		17.32	27.68	<0.5	<0.5	<0.5	<0.5	340	NA	NA	No free product or sheen
	06/13/95		17.43	27.57	<0.5	<0.5	<0.5	<0.5	210[a]	NA	NA	No free product or sheen
	09/28/95		18.67	26.33	4.1	0.5	<0.5	<0.5	93	NA	NA	No free product or sheen
	12/28/95		18.31	26.69	<0.5	<0.5	<0.5	<0.5	380[a]	<5.0	NA	No free product or sheen
	03/12/96		15.89	29.11	<0.5	<0.5	<0.5	<0.5	110	<5.0	NA	No free product or sheen
	06/11/96		16.98	28.02	<0.5	<0.5	<0.5	<0.5	400[a]	<5.0	NA	No free product or sheen
	10/02/96		18.20	26.80	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.53	32.47	<0.5	<0.5	<0.5	<0.5	110[a]	<5.0	NA	No free product or sheen
	05/20/97		17.36	27.64	<0.5	<0.5	<0.5	<0.5	330	<5.0	NA	No free product or sheen
	08/18/97		18.84	26.16	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	03/31/98		15.39	29.61	<0.5	2.8	12	16	460	<5.0	NA	No free product or sheen
	05/26/98		16.25	28.75	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	14	24	88	75	1,100	24	NA	No free product or sheen
	08/19/98		17.30	27.70	16	9.6	69	17	1,200	6	NA	No free product or sheen
	11/17/98		18.05	26.95	15	4.4	14	<0.5	580	21	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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-11	02/18/99	45.00	16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	NA	No free product or sheen
(Cont.)	06/24/99		17.50	27.50	4.6	<0.5	0.66	<0.5	610	59	NA	No free product or sheen
	08/30/99		18.19	26.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		18.64	26.36	0.87	<0.5	<0.5	<0.5	250	66	NA	No free product or sheen
	03/22/00		16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100	NA	No free product or sheen
	06/12/00		17.44	27.56	<0.5	<0.5	<0.5	<0.5	52	49	NA	No free product or sheen
	11/15/00		19.07	25.93	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	
	02/26/01		17.80	27.20	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		18.23	26.77	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen
	09/05/01		19.21	25.79	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		19.80	25.20	<0.5	<0.5	<0.5	<0.5	360	330	NA	No free product or sheen
	02/11/02	47.36	17.40	29.96	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		18.30	29.06	<0.5	<0.5	<0.5	<0.5	120	220	13[e]	No free product or sheen
	08/06/02		18.80	28.56	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		18.94	28.42	<1.0	<1.0	<1.0	<1.0	240	380	ND	No free product or sheen
	02/20/03		17.46	29.90	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		17.64	29.72	<0.5	<0.5	<0.5	<0.5	160	170	ND	No free product or sheen
	07/31/03		18.81	28.55	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		19.20	28.16	<0.5	<0.5	<0.5	<0.5	<50	35	ND	No free product or sheen
	02/28/04		17.33	30.03	<0.5	<0.5	<0.5	<0.5	360	140	ND	No free product or sheen
	04/16/04		17.67	29.69	<0.5	<0.5	<0.5	<0.5	440	110	ND	No free product or sheen
	07/16/04		18.01	29.35	<0.5	<0.5	<0.5	<0.5	<50	10	ND	No free product or sheen
	11/13/04		18.19	29.17	<0.5	<0.5	<0.5	<0.5	230	49	ND	No free product or sheen
	02/04/05		17.47	29.89	<0.5	<0.5	<0.5	<0.5	<50	7.0	ND	No free product or sheen
	04/13/05		16.81	30.55	<0.5	<0.5	<0.5	<0.5	<50	12	ND	No free product or sheen
	08/10/05		17.74	29.62	NS	NS	NS	NS	NS	NS	NS	Not Accessible
	11/05/05		18.14	29.22	<0.5	0.71	<0.5	1.6	310	4.8	ND	No free product or sheen
	01/30/06		17.11	30.25	<0.5	<0.5	<0.5	<0.5	<50	1.0	ND	No free product or sheen
	04/28/06		16.49	30.87	<0.5	<0.5	<0.5	<0.5	<50	1.8	ND	No free product or sheen
	08/15/06		17.61	29.75	<0.5	<0.5	<0.5	<0.5	65	9.1	ND	No free product or sheen
	10/26/06		18.32	29.04	<0.5	<0.5	<0.5	<0.5	<50	2.3	ND	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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
RW-1	05/14/92	43.17	16.88	26.29	NS	NS	NS	NS	NS	NS	NS	
	05/15/92		NM	NC	270	62	29	140	790	NA	NA	
	08/27/92		19.05	24.12	1,300	200	68	810	24,000	NA	NA	
	11/19/92		21.11	22.07	NS	NS	NS	NS	NS	NS	NS	
	02/03/92		15.48	27.69	71	35	22	110	620	NA	NA	
	06/23/93		28.25	14.92	30	33	9.8	35	220	NA	NA	No free product or sheen
	09/22/93		17.83	25.34	800	400	170	910	4,100	NA	NA	No free product or sheen
	01/24/94		24.00	19.17	33	6	6.9	23	190	NA	NA	
	04/07/94		16.05	27.12	110	57	32	260	1,500	NA	NA	No free product or sheen
	06/07/94		16.00	27.17	130	51	45	180	1,700	NA	NA	No free product or sheen
	09/28/94		18.35	24.82	54	9.2	12	29	350	NA	NA	No free product or sheen
	12/14/94		19.50	23.67	6.8	2.1	1.2	3.4	79	NA	NA	No free product or sheen
	03/15/95		17.00	26.17	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	04/10/95		NM	NC	54	11	11	69	410	NA	NA	Not measured
	06/13/95		14.95	28.22	1,600	780	340	1,400	8,200	NA	NA	No free product or sheen
	09/28/95		27.63	15.54	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		14.54	28.63	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		11.02	32.15	<0.5	<0.5	<0.5	<0.5	86	110	NA	No free product or sheen
	06/11/96		14.52	28.65	38	11	4.7	50	230	68	NA	No free product or sheen
	10/02/96		15.53	27.64	68	29	14	75	360	47	NA	No free product or sheen
	01/28/97		12.59	30.58	0.77	<0.5	<0.5	<0.5	<50	9	NA	No free product or sheen
	05/20/97		14.85	28.32	<0.5	<0.5	<0.5	<0.5	<50	32	NA	No free product or sheen
	08/18/97		16.19	26.98	25	<0.5	<0.5	3.6	220	170	NA	No free product or sheen
	09/29/97		NM	NC	240	2.8	51	55	900	230	NA	Not measured
	11/05/97		16.95	26.22	340	3.2	59	78	1,300	240/220[b]	NA	No free product or sheen
	03/31/98		11.85	31.32	450	130	200	940	4,100	4,100	NA	No free product or sheen
	05/26/98		13.13	30.04	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	830	210	170	720	17,000	14,000	NA	No free product or sheen
	08/19/98		14.70	28.47	20	<2.5	7.1	15	540	2,100	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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
RW-1	11/17/98	43.17	15.54	27.63	7.8	<2.5	5.6	<2.5	630	730	NA	No free product or sheen
(cont)	02/18/99		13.75	29.42	6.7	1.6	3.2	15	180	100	NA	No free product or sheen
	06/24/99		14.96	28.21	<0.5	<0.5	<0.5	<0.5	<50	42	NA	No free product or sheen
	08/30/99		15.75	27.42	<0.5	<0.5	<0.5	<0.5	<50	79	NA	No free product or sheen
	11/09/99		17.45	25.72	<0.5	<0.5	<0.5	<0.5	<50	78	NA	No free product or sheen
	03/22/00		13.51	29.66	1.2	<0.5	<0.5	<0.5	<50	17	NA	No free product or sheen
	06/12/00		13.65	29.52	<0.5	<0.5	<0.5	1.0	<50	40	NA	No free product or sheen
	11/15/00		29.45	13.72	<0.5	<0.5	<0.5	<0.5	<50	290	NA	No free product or sheen
	02/26/01		28.40	14.77	<0.5	<0.5	<0.5	<0.5	<50	360	NA	No free product or sheen
	05/21/01		43.17	27.81	4.1	1.6	1.8	23	100	170	NA	No free product or sheen
	09/05/01		26.90	16.27	33	<0.5	<0.5	<0.5	73	310	NA	No free product or sheen
	11/07/01		28.41	14.76	<0.5	<0.5	<0.5	<0.5	<50	240	NA	No free product or sheen
	02/11/02	45.47	27.61	17.86	<0.5	<0.5	<0.5	<0.5	<50	21	NA	No free product or sheen
	06/03/02		26.90	18.57	<0.5	<0.5	<0.5	<0.5	<50	160	7.7[e]	No free product or sheen
	08/06/02		25.56	19.91	<0.5	<0.5	<0.5	<0.5	<50	190	6.0[e]	No free product or sheen
	11/14/02		24.83	20.64	<0.5	<0.5	<0.5	<0.5	<50	170	ND	No free product or sheen
	02/20/03		23.56	21.91	<0.5	<0.5	<0.5	<0.5	<50	120	ND	No free product or sheen
	05/15/03		22.80	22.67	<0.5	<0.5	<0.5	<0.5	<50	110	ND	No free product or sheen
	07/31/03		21.71	23.76	<0.5	<0.5	<0.5	<0.5	<50	99	ND	No free product or sheen
	10/28/03		22.07	23.40	<0.5	<0.5	<0.5	<0.5	<50	88	ND	No free product or sheen
	02/28/04		19.32	26.15	1.3	<0.5	<0.5	<0.5	<50	52	ND	No free product or sheen
	04/16/04		23.95	21.52	<0.5	<0.5	<0.5	<0.5	<50	57	ND	No free product or sheen
	07/16/04		30.04	15.43	0.72	<0.5	<0.5	<0.5	<50	100	7.2[e]	No free product or sheen
	11/13/04		15.63	29.84	1.0	<0.5	<0.5	<0.5	<50	71	ND	No free product or sheen
	02/04/05		18.57	26.90	<0.5	<0.5	<0.5	<0.5	<50	45	ND	No free product or sheen
	04/13/05		24.21	21.26	1.1	<0.5	<0.5	<0.5	<50	52	12[e]	No free product or sheen
	08/10/05		33.59	11.88	<0.5	<0.5	<0.5	<0.5	<50	29	ND	No free product or sheen
	11/05/05		25.63	19.84	<0.5	<0.5	<0.5	<0.5	<50	27	ND	No free product or sheen
	01/30/06		24.39	21.08	0.61	<0.5	<0.5	1.3	<50	23	ND	No free product or sheen
	04/28/06		16.32	29.15	0.69	<0.5	<0.5	1.6	<50	16	ND	No free product or sheen
	08/15/06		34.04	11.43	<0.5	<0.5	<0.5	<0.5	<50	18	ND	No free product or sheen
	10/26/06		25.48	19.99	<0.5	<0.5	<0.5	<0.5	<50	16	ND	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to 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
RW-2	11/13/04		16.17	NC	<0.5	<0.5	45	70	4,200	29	ND	No free product or sheen
	02/04/05		15.44	NC	<0.5	<0.5	24	24	2,900	41	ND	No free product or sheen
	04/13/05		14.54	NC	<0.5	<0.5	8.6	9.9	1,400	39	ND	No free product or sheen
	08/10/05		15.93	NC	<0.5	<0.5	26	33	2,900	29	ND	No free product or sheen
	11/05/05		16.36	NC	<0.5	<0.5	16	19	2,400	12	ND	No free product or sheen
	01/30/06		14.83	NC	<0.5	<0.5	4.6	5.3	1,200	17	ND	No free product or sheen
	04/28/06		13.93	NC	<0.5	<0.5	12	15	1,200	19	ND	No free product or sheen
	08/15/06		15.67	NC	<0.5	<0.5	6.7	7.0	1,200	18	ND	No free product or sheen
	10/26/06		23.50	22.00	<0.5	<0.5	0.81	7.5	760	7.6	ND	No free product or sheen
DW-15800*	01/14/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	0.81	ND	No free product or sheen
	03/20/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen
DW-15808*	01/14/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen
	03/20/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen

[a] Product is not typical gasoline.

[b] MTBE by EPA Method 8020/EPA Method 8260.

[c] Constituents by EPA Method 8260.

[d] Oxygenates = diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, methanol, and ethanol.

[e] Tert-Butanol

[f] Tert-amly methyl ether

* = Domestic Water Wells (used as irrigation wells) Located at 15800 & 15808 Via Cordoba, San Lorenzo, CA.

Top of Riser Elevations = Elevations surveyed relative to mean sea level.

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

NS = Not sampled.

NM = Not measured.

NC = Not calculated.

NA = Not analyzed.

Note: Aegis Environmental, Inc. collected data prior to June 23, 1993.

TABLE 2

MNA MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, 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	08/15/06	7.00	1.43	-68	603	71.4	27	0.0	290	2.8	5.69	
		6.99	1.34	-72	646	72.1		0.0				
		7.02	1.28	-68	696	72.2		0.0				
		7.04	1.30	-77	702	72.0		0.0				
	10/26/06	6.99	1.22	-141	658	73.4	32	1.2	310	3.1	8	
		6.98	1.24	-151	658	73.7		1.2				
		7.00	1.25	-145	711	72.0		1.2				
MW-2	08/15/06	6.87	1.98	44	577	72.2	36	0.0	250	2.2	0.141	
		6.83	1.87	49	587	71.7		0.0				
		6.87	2.03	51	631	71.5		0.0				
	10/26/06	6.91	0.24	-69	605	74.7	40	0.4	266	2.3	0.205	
		6.87	0.23	-70	625	73.7		0.4				
		6.88	0.19	-70	649	73.6		0.4				
MW-3R	08/15/06	6.78	0.48	-130	934	78.3	75	1.8	480	6.9	2.79	
		6.84	0.51	-126	917	71.0		2.2				
		6.87	0.41	-124	887	71.9		2.0				
	10/26/06	NM	NM	NM	NM	NM	58	NM	432	4.2	1.52	New Pump Well
MW-4	08/15/06	6.74	3.86	23	700	70.8	48	0.0	240	2.3	<0.10	
		6.73	1.36	20	713	71.2		0.0				
		6.74	1.42	29	717	70.9		0.0				
		6.73	1.27	26	718	70.8		0.0				
	10/26/06	6.81	1.43	40	594	68.8	48	0.0	268	2.5	2.72	
		6.89	1.48	39	582	68.7		0.0				
		6.95	1.42	40	573	68.6		0.0				

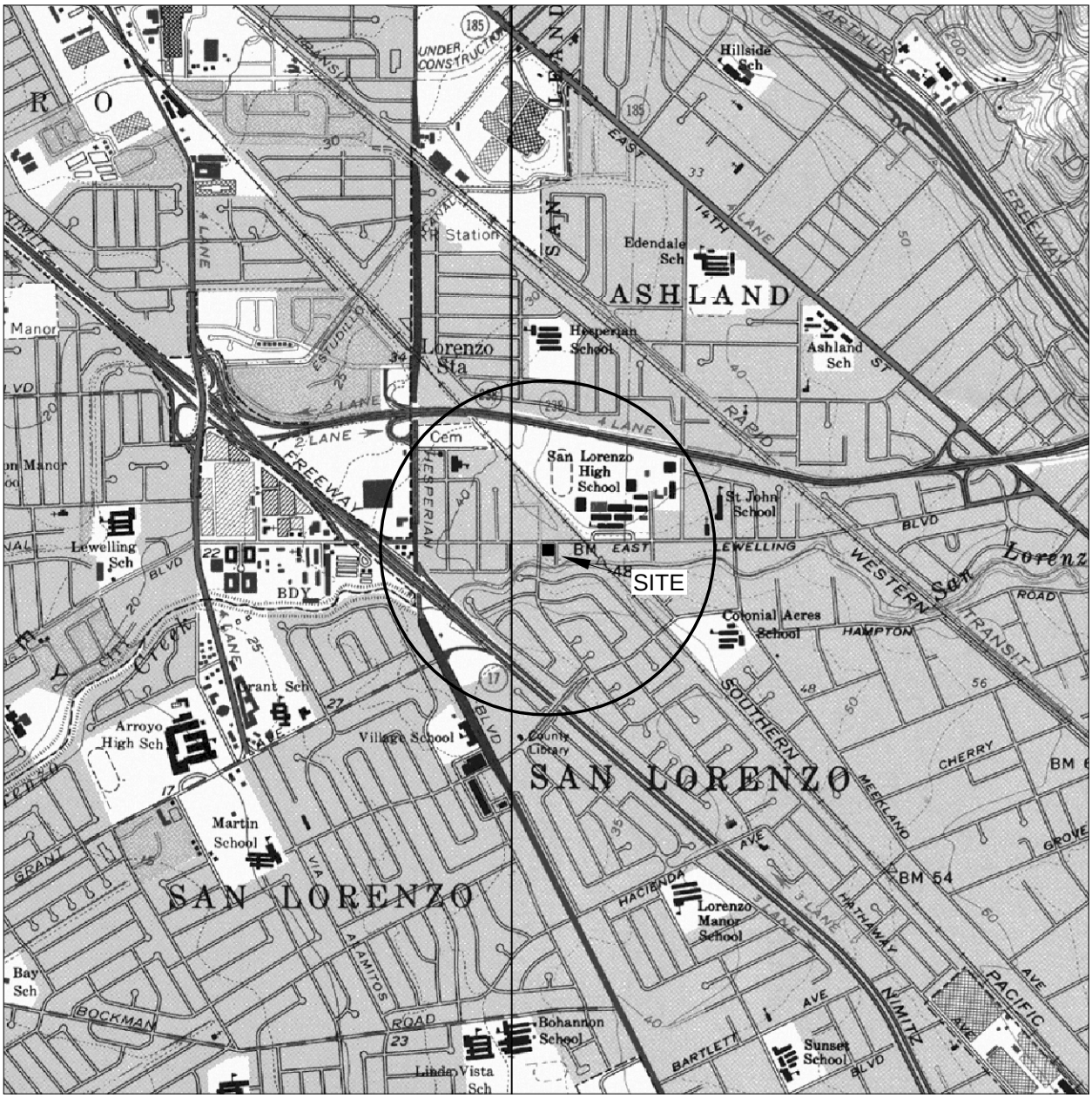
TABLE 2

MNA MONITORING DATA

Tesoro Station No. 67107
Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

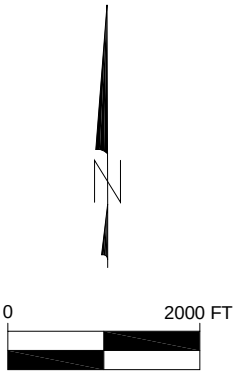
Monitoring Well	Date	pH	D.O. (ppm)	ORP	Specific Conductivity	Temperature	Dissolved CO_2 (ppm)	Ferrous Iron (Fe^{+2})	Total Alkalinity (ppm)	Total Organic Carbon (ppm)	Total Iron (ppm)	
MW-10	08/15/06	6.84	1.18	-59	908	72.7	95	0.0	480	4.7	1.63	
		6.83	1.25	-64	906	72.9		1.6				
		6.82	1.28	-62	910	72.4		1.6				
	10/26/06	7.01	1.27	-182	797	71.6	84	0.8	418	4.6	1.36	
		6.93	1.25	-183	803	73.3		0.8				
		6.90	1.23	-185	812	74.1		0.8				
MW-11	08/15/06	6.75	1.13	-89	883	68.6	60	1.0	290	2.5	0.306	
		6.74	1.08	-97	819	68.4		1.0				
		6.75	1.10	-92	805	69.7		1.0				
	10/26/06	6.83	1.14	-162	837	72.6	59	1.2	296	2.6	0.523	
		6.81	1.07	-165	8.33	71.9		1.2				
		6.78	1.06	-166	8.29	72.1		1.2				
RW-1	08/15/06	7.07	1.31	73.00	860	69.1	37	0.0	370	2.4	2.38	
		7.08	1.45	71.00	853	69.5		0.4				
		7.06	1.49	43.00	861	69.6		0.0				
	10/26/06	NM	NM	NM	NM	NM	39	NM	362	2.1	<0.10	Pump Well
RW-2	08/15/06	7.04	0.98	-50.00	824	70.0	31	0.6	370	2.9	22.9	
		7.05	0.89	-55.00	810	71.8		0.6				
		7.14	0.91	-52.00	800	70.3		0.6				
	10/26/06	NM	NM	NM	NM	NM	27	NM	350	2.6	0.195	New Pump Well

D.O. = Dissolved Oxygen
ORP = Oxygen Reduction Potential
ppm = parts per million



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

QUADRANGLE LOCATION



SCALE 1:24,000

FIGURE 1
SITE LOCATION MAP
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 12/15/00
FILE NO. 00-3721-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental

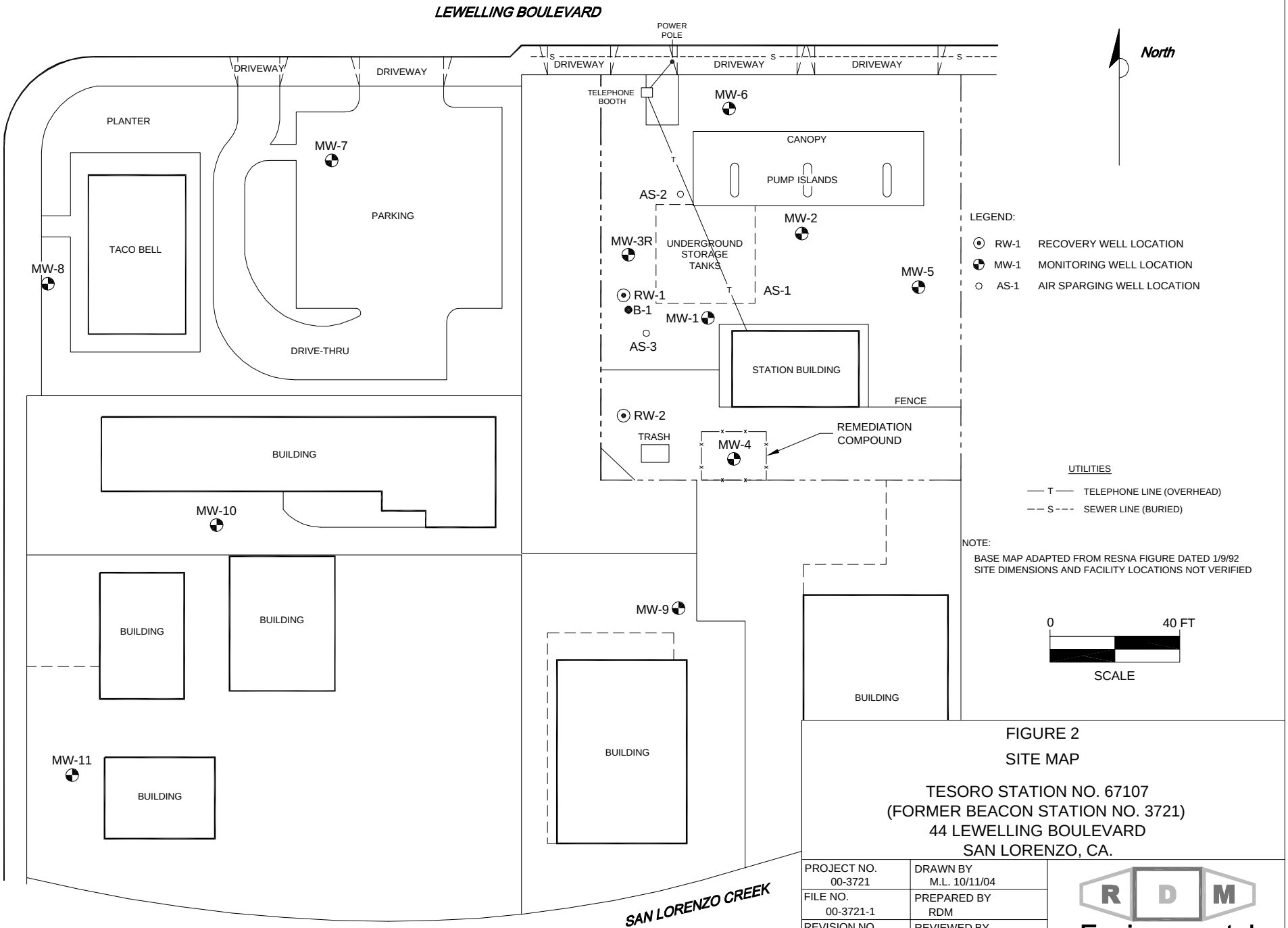


FIGURE 2

SITE MAP

TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 10/11/04
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY

R D M Environmental

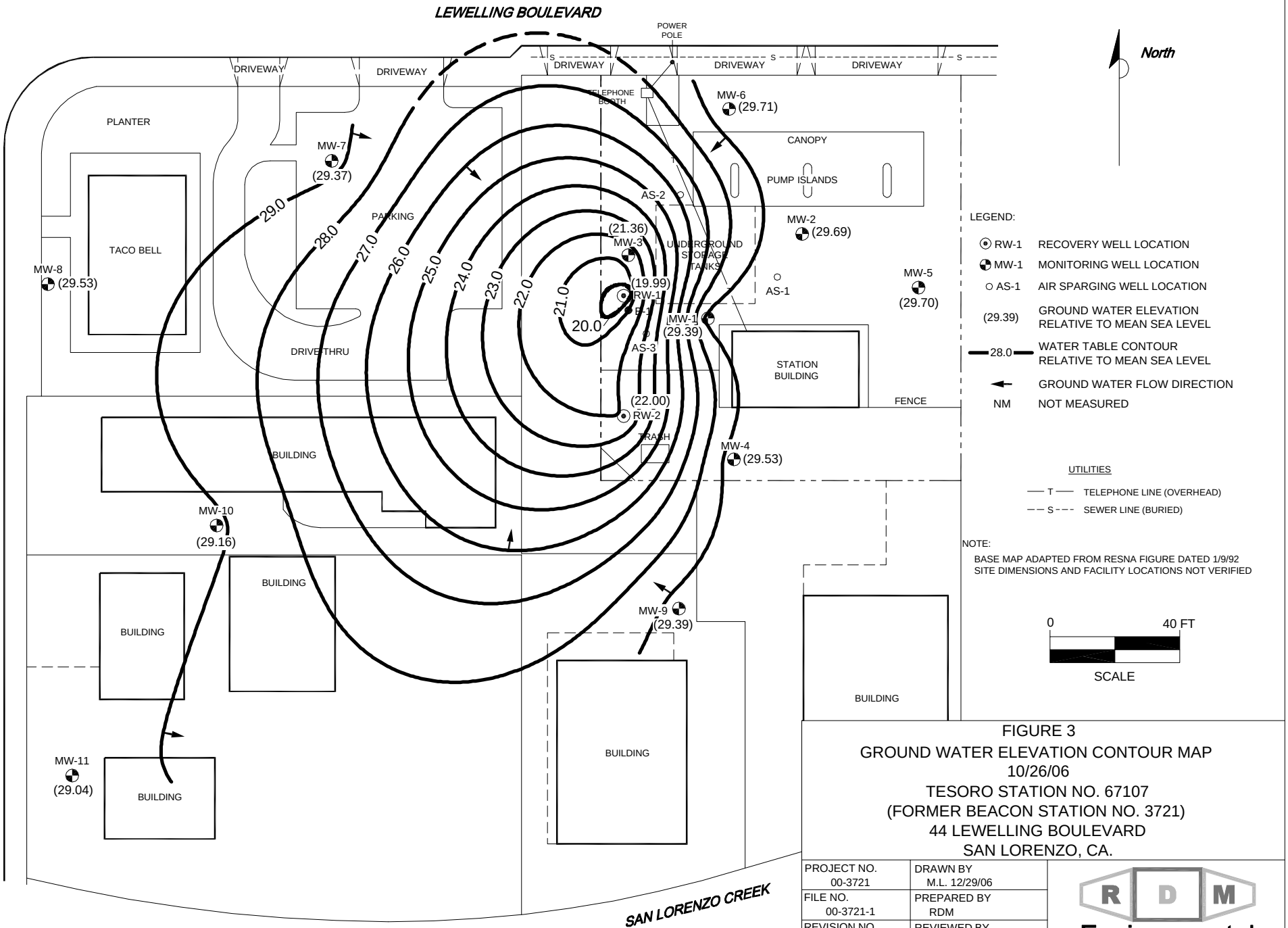


FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
10/26/06
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 12/29/06
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental

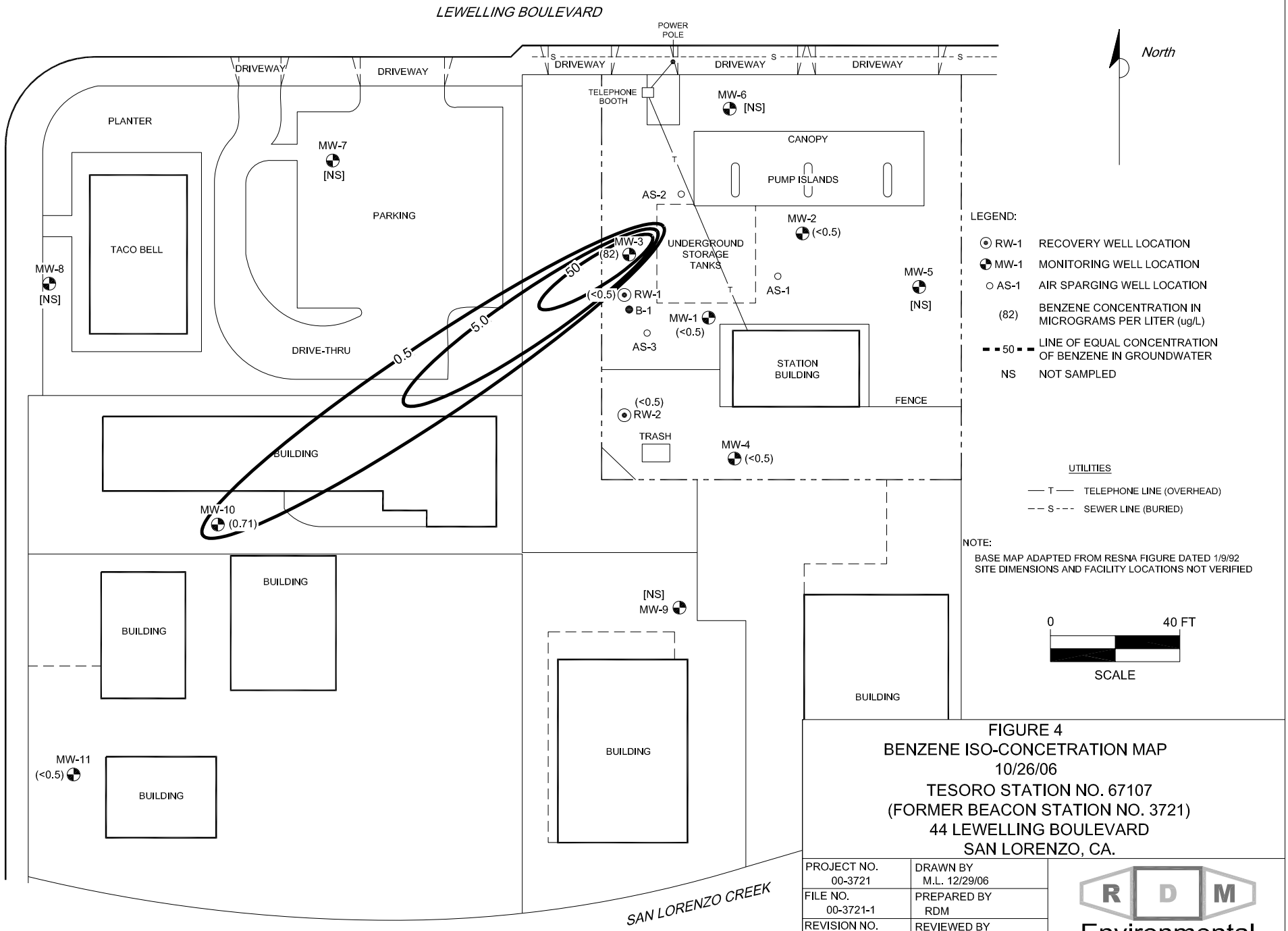


FIGURE 4
BENZENE ISO-CONCETRATION MAP
10/26/06
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 12/29/06
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental

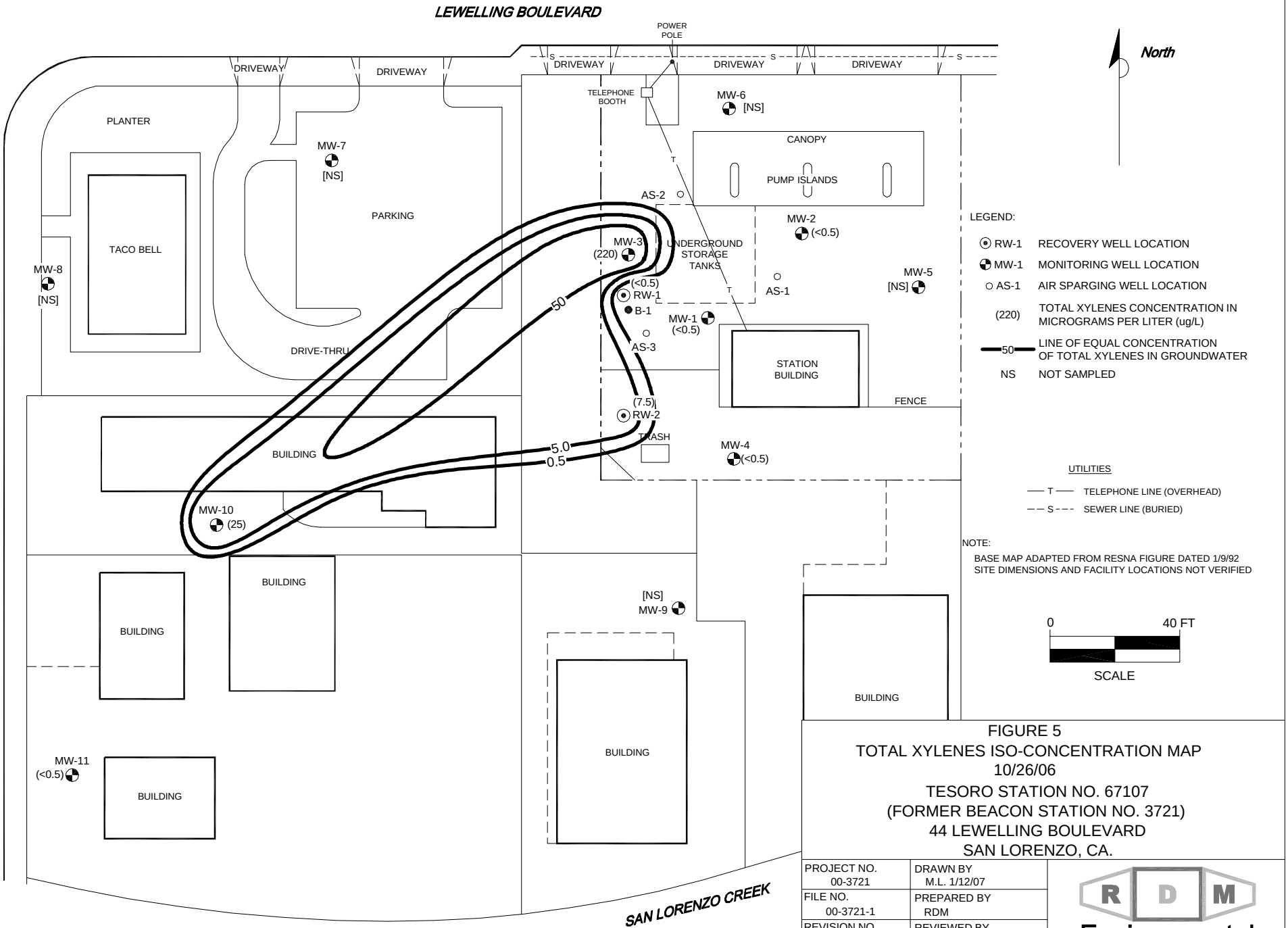


FIGURE 5
TOTAL XYLENES ISO-CONCENTRATION MAP
10/26/06
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 1/12/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

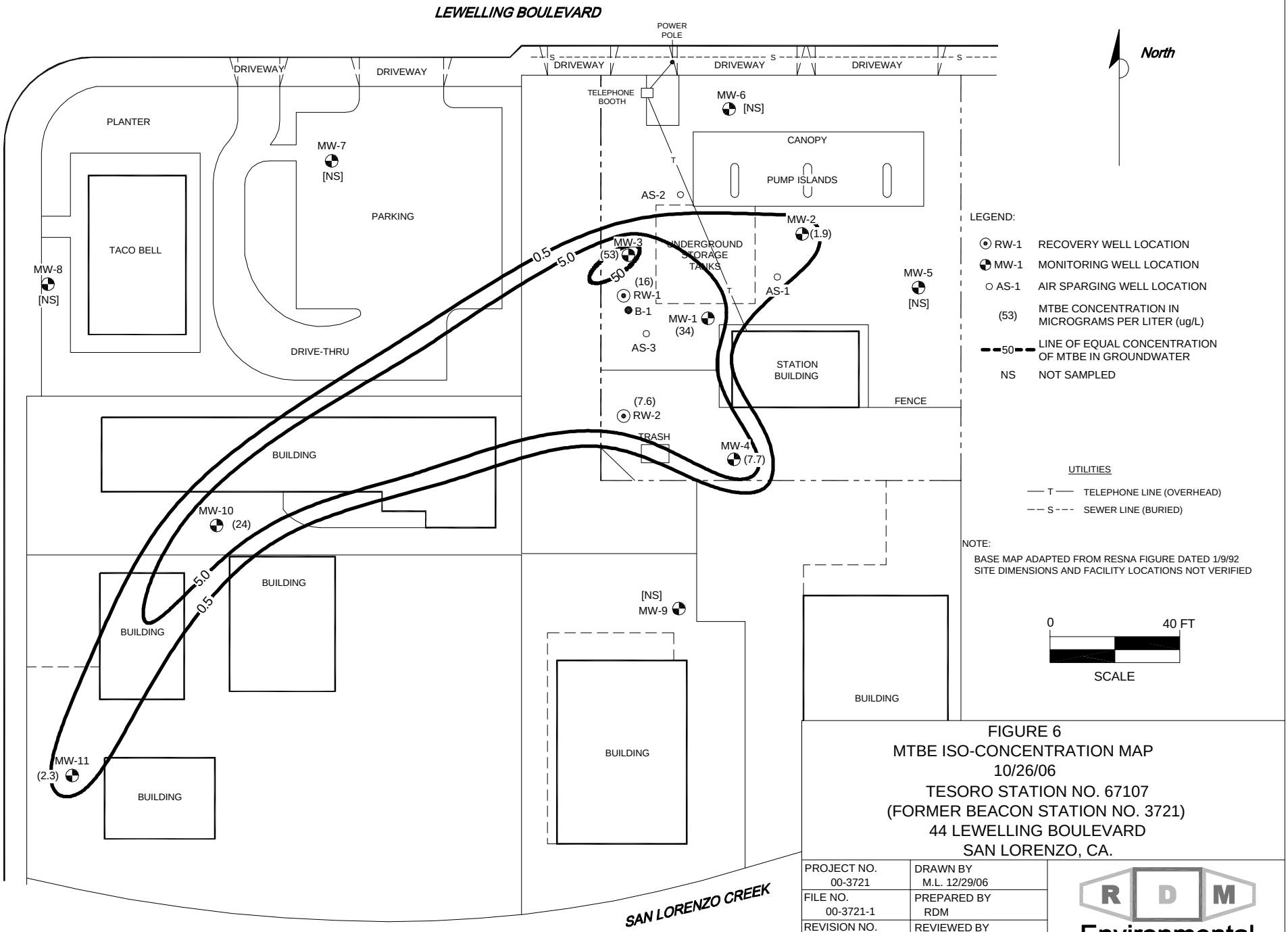


FIGURE 6
MTBE ISO-CONCENTRATION MAP
10/26/06
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 12/29/06
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

Figure 8
Drawdown Groundwater Elevation Curves for MW-3R and RW-2

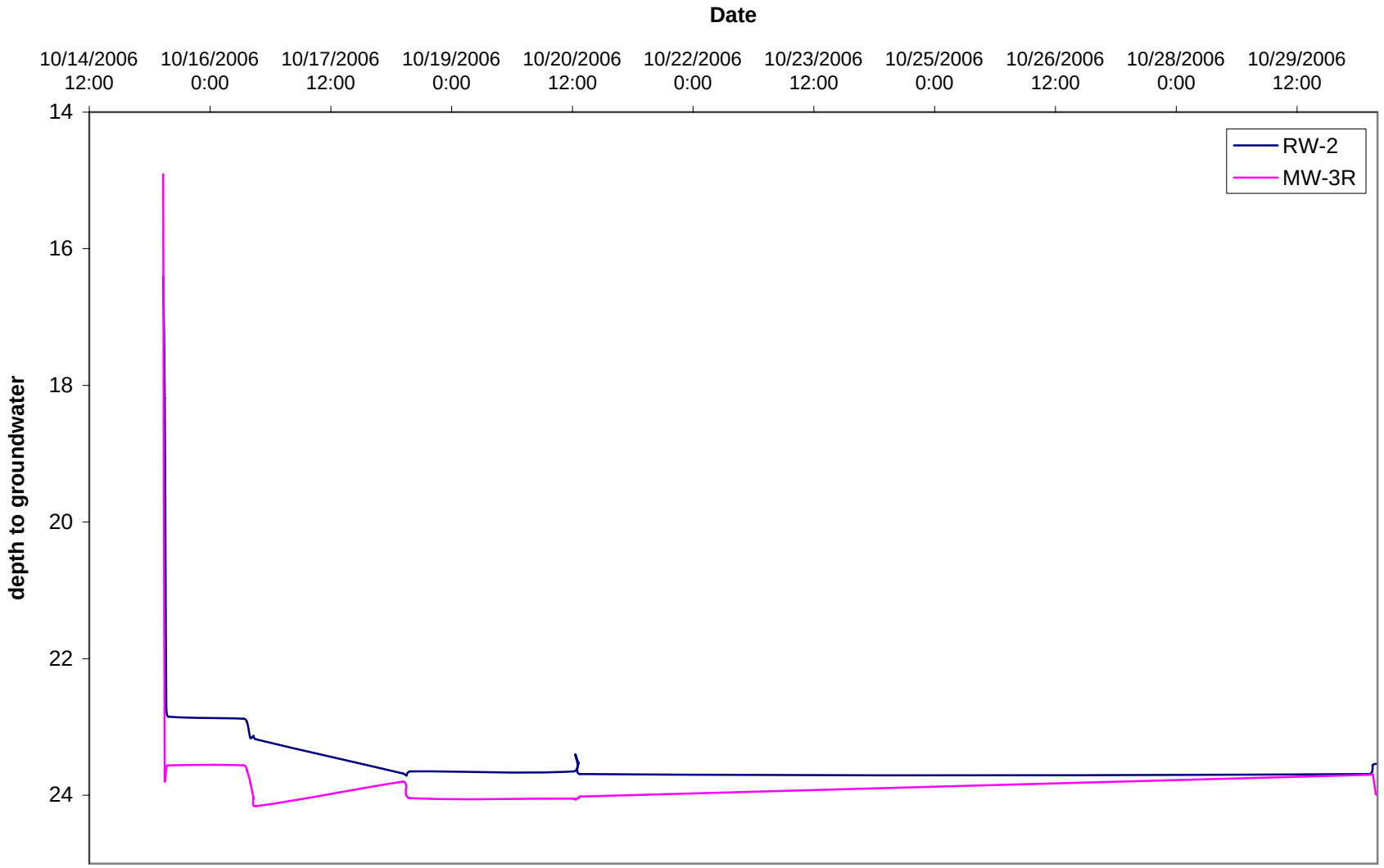


Figure 10
Drawdown Groundwater Elevation Curves for MW-1 and MW-2
(MW-3R Capture)

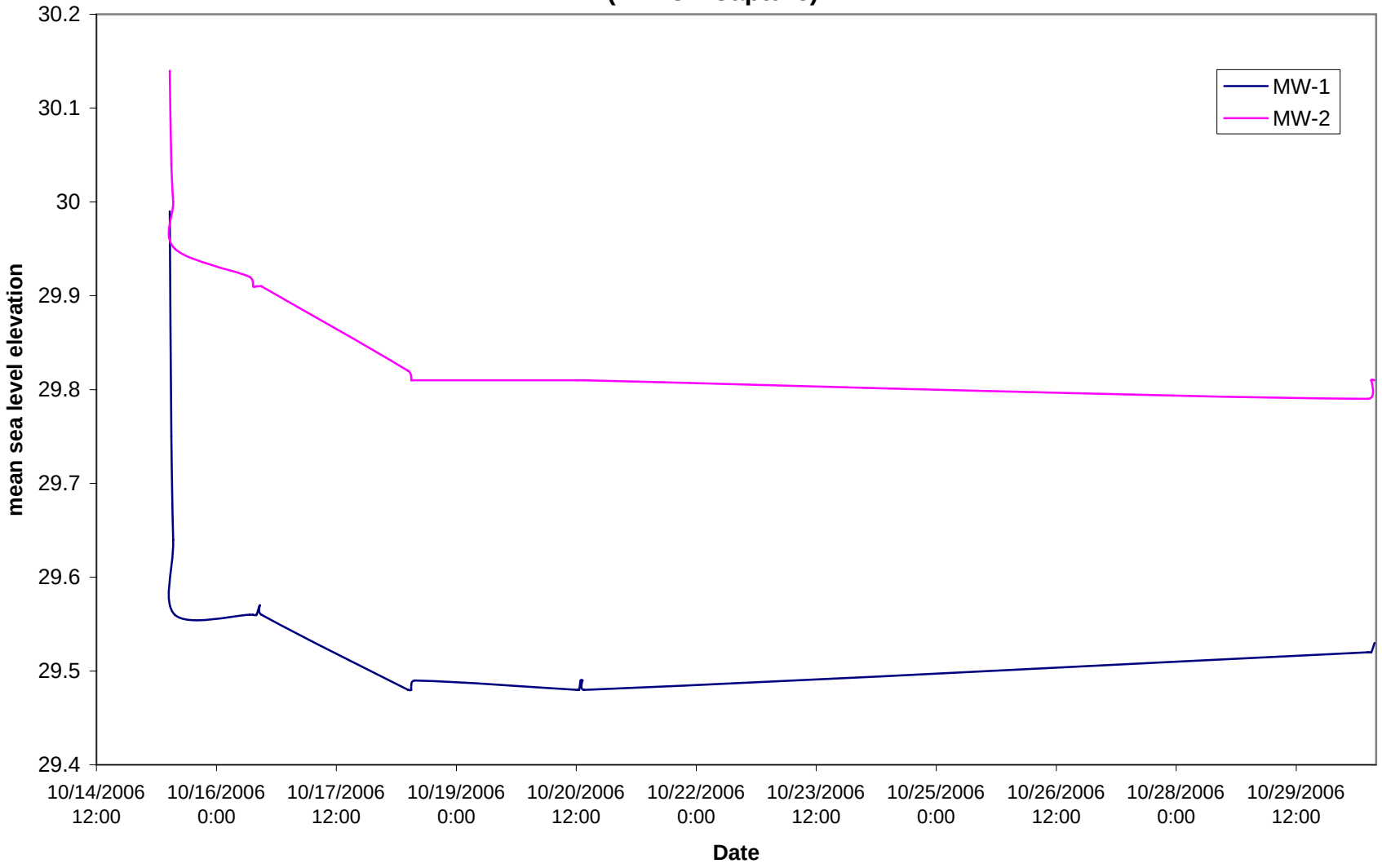
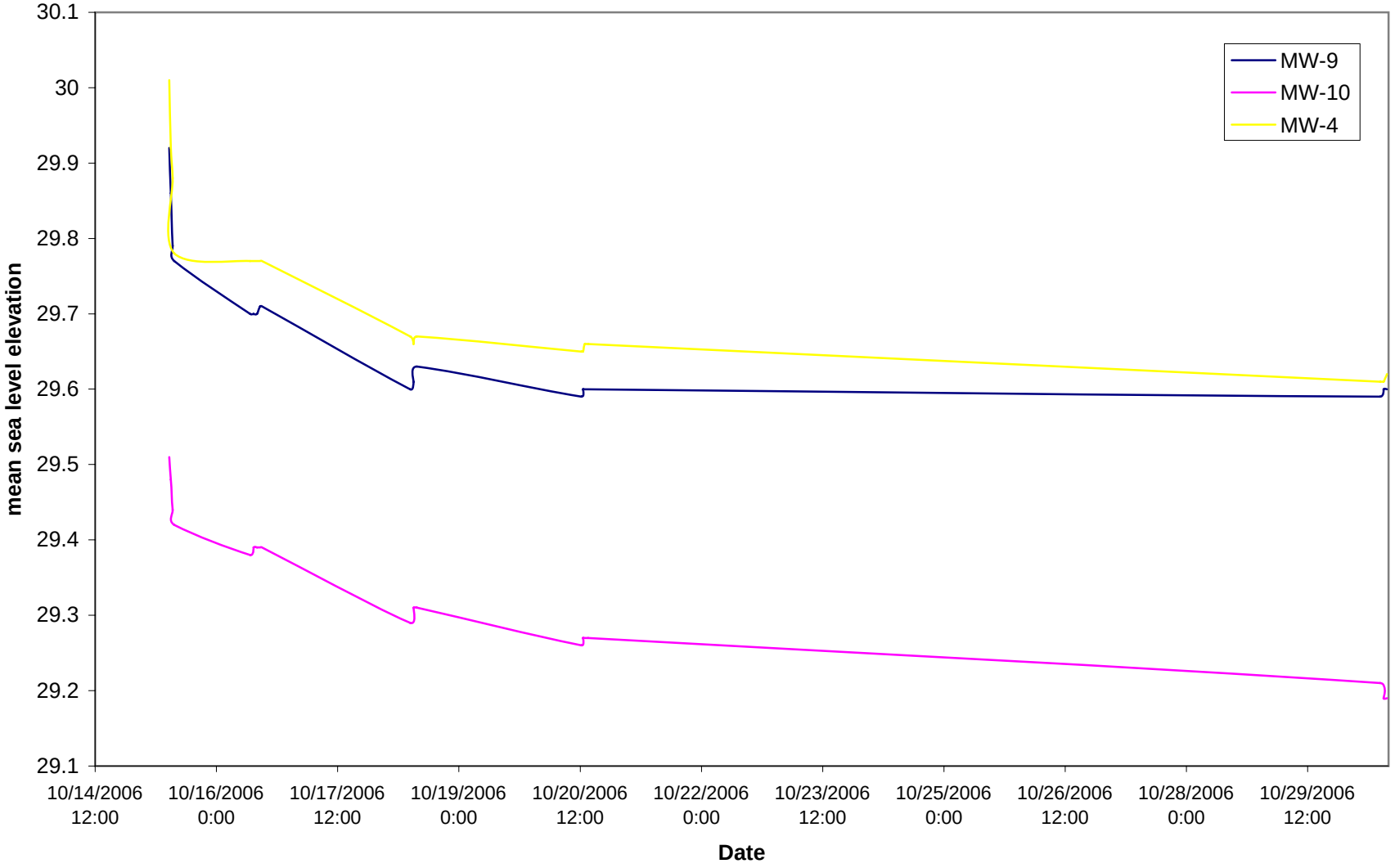


Figure 9
Drawdown Groundwater Elevation Curves for MW-4, MW-9 and MW-10
(RW-2 Capture)



Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Sampling

RDM ENVIRONMENTAL

GROUND WATER LEVEL DATA

Project Address: Tesoro Station 67107
44 Lewelling Boulevard

Date: 10/26/2006

Technicians: MJ/DH

Project Number: 02-67107

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-1	5	~~0937 0926~~	~~16.59 17.45~~	33.64			2"
MW-2	3	0932	15.54	34.35			2"
MW-3R	8	0945	23.85	30.00			6" 2" RISER
MW-4	1	0926	17.45	24.45			2"
MW-5		1003	16.42	19.30			
MW-6		1001	15.08	28.43			
MW-7		0955	14.48	24.17			
MW-8		0952	15.32	22.99			
MW-9		0958	17.87	23.57			
MW-10	7	0945	15.49	29.40			2"
MW-11	2	0930	18.32	29.34			2"
RW-1	4	0935	25.48	34.10			6" 12" RISER
RW-2	6	0941	23.50	30.00			6" 1" RISER

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-1
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0937 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	6"		
Well Box	8" (12") 24"	Type of well box	NOT MARKED

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	✓

Sampling -

Disposable Bailer	✓	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	8.18
Time:	0937	Time:		Actual Purge	4.50
Depth of Well	33.64	Depth to Water			
Depth to Water	16.59				

Sample

Start Purge 1205 Sample Time 1220

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1209	73.4	6.99	658	1.22	-141	1.2		1
1212	73.7	6.98	685	1.24	-151	1.2		2
1215	72.0	7.00	711	1.25	-145	1.2		3

Sample Appearance Clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts ok Box ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-2
Signature:	MA		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0932 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	6"		
Well Box	8" 12" (24)	Type of well box	NOT MARKED

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	✓

Sampling -

Disposable Bailer	✓	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	9.03
Time:	0932	Time:		Actual Purge	9.00
Depth of Well	34.35	Depth to Water			
Depth to Water	15.54				

Sample

Start Purge	1119	Sample Time	1135

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1123	74.7	6.91	605	0.24	-69	.4		1
1127	73.7	6.87	625	0.23	-70	.4		2
1131	73.6	6.88	649	0.19	-70	.4		3

Sample Appearance	Clear	Lock	ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	ok	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-3R
Signature:	MJ		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0945 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Recovery Well
Height of Riser	2"		
Well Box	8" 12" (24")	Type of well box	NOT MARKED

Purging/Sampling Equipment

Purging - N/A

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

Sampling - GRAB SAMPLE

Disposable Bailer		Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	27.12
Time:	0945	Time:		Actual Purge	0
Depth of Well	30.00	Depth to Water			
Depth to Water	23.85				

Sample

Start Purge	N/A	Sample Time	1300

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	ok	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-4
Signature:	MA		

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	0926 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	DIVERSIFIED WELL PROD.

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	✓	Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	

Sampling -

Disposable Bailer	✓	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	3.36
Time:	0926	Time:		Actual Purge	3.50
Depth of Well	24.45	Depth to Water			
Depth to Water	17.45				

Sample

Start Purge: 1020 Sample Time: 1033

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1023	68.8	6.81	594	1.43	40	0.0		1
1026	68.7	6.89	582	1.48	39	0.0		2
1029	68.6	6.95	573	1.42	40	0.0		3

Sample Appearance: CLEAR Lock: ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	-2	Box	ok

Remarks: BROKEN LID FLANGE

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-10
Signature:	MA		

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	0945 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	1"		
Well Box	(8") 12" 24"	Type of well box	BRAINARD-KILMAN

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	✓

Sampling -

Disposable Bailer	✓	Teflon Bailer		Disposable Tubing	

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	6.68
Time:	0945	Time:		Actual Purge	7.00
Depth of Well	29.40	Depth to Water			
Depth to Water	15.49				

Sample

Start Purge 1236 Sample Time 1246

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1238	71.6	7.01	797	1.27	-182	.8		1
1241	73.3	6.93	803	1.25	-183	.8		2
1244	74.1	6.90	812	1.23	-185	.8		3

Sample Appearance CLEAR Lock ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	-3	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	MW-11
Signature:	MS		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0930 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	2"		
Well Box	(8") 12" 24"	Type of well box	BRAINARD-KILMAN

Purging/Sampling Equipment

Purging -

2" Disposable Bailer		Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	✓

Sampling -

Disposable Bailer	✓	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	5.29
Time:	0930	Time:		Actual Purge	5.50
Depth of Well	29.34	Depth to Water			
Depth to Water	18.32				

Sample

Start Purge: 1047 Sample Time: 1100

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume
1051	72.6	6.83	837	1.14	-162	1.2		1
1054	71.9	6.81	833	1.07	-165	1.2		2
1057	72.1	6.78	829	1.06	-166	1.2		3

Sample Appearance: Clear Lock: ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	-3	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	RW - 1
Signature:	MA		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0935 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Recovery Well
Height of Riser	12"		
Well Box 8" 12" (24")		Type of well box	NOT MARKED

Purging/Sampling Equipment

Purging - N/A

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

Sampling - GRAB SAMPLE

Disposable Bailer		Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	38.01
Time:	0935	Time:		Actual Purge	0
Depth of Well	34.10	Depth to Water			
Depth to Water	25.48				

Sample

Start Purge	N/A	Sample Time	1153

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	ok	Bolts	ok	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	10/26/2006
Site:	Tesor Station 67107	Project Number:	02-67107
	44 Lewelling Blvd, San Lorenzo, CA	**Well Designation:**	RW-2
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0941 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Recovery well
Height of Riser		1"	
Well Box	8" 12" (24")	Type of well box	Not Marked

Purging/Sampling Equipment

Purging - N/A.

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

Sampling - Grab Sample.

Disposable Bailer		Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	28.67
Time:	0941	Time:		Actual Purge	0
Depth of Well	30.00	Depth to Water			
Depth to Water	23.50				

Sample

Start Purge	N/A.	Sample Time	1225

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2		Volume

Sample Appearance	Clear	Lock	NA.

Equipment Replacement

Lock	N/A	Well Cap	ok	Bolts	ok	Box	ok

Remarks:

Appendix B

Official Laboratory Reports and Chain of Custody Records –
Quarterly Ground Water Samples

KIFF Analytical LLC

Report Number : 53003
Date : 10/31/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 8 Water Samples
Project Name : 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 53003
Date : 10/31/2006

Subject : 8 Water Samples
Project Name : 67107
Project Number : 67107

Case Narrative

The Method Reporting Limit for Ethanol has been increased due to the presence of an interfering compound for sample MW-10.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-1** Matrix : Water Lab Number : 53003-01

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**34**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**6.2**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**110**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-2** Matrix : Water Lab Number : 53003-02

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**1.9**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-3R** Matrix : Water Lab Number : 53003-03

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**82**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**4.2**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**38**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**220**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**53**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**45**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**1800**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	92.1		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-4** Matrix : Water Lab Number : 53003-04

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**7.7**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-10** Matrix : Water Lab Number : 53003-05

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.71**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**2.2**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**4.8**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**25**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**24**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**5000**	90	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	96.0		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	93.2		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **MW-11** Matrix : Water Lab Number : 53003-06

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**2.3**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **RW-1** Matrix : Water Lab Number : 53003-07

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**16**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53003

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **RW-2** Matrix : Water Lab Number : 53003-08

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**0.81**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**7.5**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**7.6**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**760**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

Report Number : 53003

Date : 10/31/2006

QC Report : Method Blank Data

Project Name : **67107**

Project Number : **67107**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/27/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/27/2006
Methanol	< 50	50	ug/L	EPA 8260B	10/27/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/27/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	10/27/2006
4-Bromofluorobenzene (Surr)	97.3		%	EPA 8260B	10/27/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	< 50	50	ug/L	EPA 8260B	10/28/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	94.1		%	EPA 8260B	10/28/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

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	53008-02	<0.50	40.0	40.0	42.3	39.3	ug/L	EPA 8260B	10/27/06	106	98.2	7.38	70-130	25
Toluene	53008-02	<0.50	40.0	40.0	42.7	39.2	ug/L	EPA 8260B	10/27/06	107	98.0	8.49	70-130	25
Tert-Butanol	53008-02	<5.0	200	200	217	204	ug/L	EPA 8260B	10/27/06	109	102	6.38	70-130	25
Methyl-t-Butyl Ether	53008-02	<0.50	40.0	40.0	41.9	39.4	ug/L	EPA 8260B	10/27/06	105	98.5	6.04	70-130	25
Benzene	52996-06	21	40.0	40.0	52.8	51.6	ug/L	EPA 8260B	10/28/06	78.7	75.7	3.95	70-130	25
Toluene	52996-06	11	40.0	40.0	48.2	47.2	ug/L	EPA 8260B	10/28/06	92.2	89.7	2.80	70-130	25
Tert-Butanol	52996-06	<5.0	200	200	202	201	ug/L	EPA 8260B	10/28/06	101	101	0.568	70-130	25
Methyl-t-Butyl Ether	52996-06	<0.50	40.0	40.0	36.4	36.8	ug/L	EPA 8260B	10/28/06	91.1	92.0	1.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53003

QC Report : Laboratory Control Sample (LCS)

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/27/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	10/27/06	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/27/06	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/27/06	96.9	70-130
Benzene	40.0	ug/L	EPA 8260B	10/28/06	96.4	70-130
Toluene	40.0	ug/L	EPA 8260B	10/28/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/28/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/28/06	97.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 53003

Date : 10/31/2006

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

Project Name :67107
Project Number : 67107

			Sample Name	MW-1		MW-2		MW-3R		MW-4		MW-10		MW-11		RW-1		RW-2	
			Sample Date	10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006	
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	ND	0.50	**82**	0.50	ND	0.50	**0.71**	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	**4.2**	0.50	ND	0.50	**2.2**	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	**38**	0.50	ND	0.50	**4.8**	0.50	ND	0.50	ND	0.50	**0.81**
Total Xylenes	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	**220**	0.50	ND	0.50	**25**	0.50	ND	0.50	ND	0.50	**7.5**
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	**34**	0.50	**1.9**	0.50	**53**	0.50	**7.7**	0.50	**24**	0.50	**2.3**	0.50	**16**	0.50	**7.6**
Diisopropyl ether (DIPE)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L		5.0	**6.2**	5.0	ND	5.0	**45**	5.0	ND	5.0	**5.0**	5.0	ND	5.0	ND	5.0	ND
Methanol	EPA 8260B	ug/L		50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
Ethanol	EPA 8260B	ug/L		5.0	ND	5.0	ND	5.0	ND	5.0	ND	50	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L		50	**110**	50	ND	50	**1800**	50	ND	90	**5000**	50	ND	50	ND	50	**760**
Toluene - d8 (Surr)	EPA 8260B	%			104		104		102		104		96.0		105		106		104
4-Bromofluorobenzene (Surr)	EPA 8260B	%			96.9		95.8		92.1		96.6		93.2		94.8		95.8		95.9

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

Calscience
Environmental
Laboratories, Inc.

November 06, 2006

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

Subject: **Calscience Work Order No.: 06-10-1681**
Client Reference: 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/28/2006 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1681
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-10-1681-1**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	7.97	0.10	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**06-10-1681-2**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	0.205	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-3R	**06-10-1681-3**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	1.52	0.10	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**06-10-1681-4**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	2.72	0.10	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-10	**06-10-1681-5**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	1.36	0.10	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-11	**06-10-1681-6**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	0.523	0.100	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1681
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RW-1	**06-10-1681-7**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RW-2	**06-10-1681-8**	**10/26/06**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

Parameter	Result	RL	DF	Qual	Units
Iron	0.195	0.100	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-6,591**	**N/A**	**Aqueous**	**10/30/06**	**10/31/06**	**061030L05**

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1681

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	**06-10-1681-1**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.1	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	310	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-2	**06-10-1681-2**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.3	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	266	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-3R	**06-10-1681-3**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	4.2	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	432	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-4	**06-10-1681-4**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.5	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	268	5.0	1		mg/L	N/A	10/30/06	SM 2320B

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1681

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-10	**06-10-1681-5**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	4.6	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	418	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-11	**06-10-1681-6**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.6	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	296	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
RW-1	**06-10-1681-7**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.1	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	362	5.0	1		mg/L	N/A	10/30/06	SM 2320B

Client Sample Number	Lab Sample Number	Date Collected	Matrix
RW-2	**06-10-1681-8**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.6	0.5	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	350	5.0	1		mg/L	N/A	10/30/06	SM 2320B

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1681

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	ND	0.50	1		mg/L	N/A	11/02/06	EPA 415.1
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	10/30/06	SM 2320B

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 10/28/06
Work Order No: 06-10-1681
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-1	**Aqueous**	**ICP 3300**	**10/30/06**	**10/31/06**	**061030S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron	4X	4X	65-149	4X	0-21	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: N/A
Work Order No: 06-10-1681

Project: 67107

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 415.1	06-10-1670-3	11/02/06	N/A	111	110	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 06-10-1681

Project: 67107

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO3)	SM 2320B	MW-1	10/30/06	310	310	1	0-25	
Bicarbonate (as CaCO3)	SM 2320B	MW-1	10/30/06	310	310	1	0-25	
Carbonate (as CaCO3)	SM 2320B	MW-1	10/30/06	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	MW-1	10/30/06	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received: N/A
Work Order No: 06-10-1681
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,591	**Aqueous**	**ICP 3300**	**10/31/06**	**061030-I-05**	**061030L05**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Iron	0.500	0.446	89	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received: N/A
Work Order No: 06-10-1681

Project: 67107

Matrix : Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	EPA 415.1	099-05-097-2,446	11/02/06	N/A	5.0	5.4	108	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-10-1681

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike 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.

1681

KIFF Analytical LLC

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. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? _X_ Yes __No

Recommended but not mandatory to complete this section:

Company/Address: Kiff Analytical, LLC

Sampling Company Log Code: RDMR

Global ID: T0600101411

Phone No.: FAX No.:

EDF Deliverable to (Email Address): inbox@kiffanalytical.com

Project Number: 67107 P.O. No.: 53003

E-mail address: inbox@kiffanalytical.com

Project Name: 67107

Project Address:

	Sample Designation	Sampling		Container					Preservative					Matrix			Analysis Request								Date due:	For Lab Use Only
		Date	Time	Glass	Poly	Sleeve	Amber		HCl	HNO3	H_2SO_4	NONE	$Na_2S_2O_3$	WATER	SOIL		Alkalinity (SM 2320B)	Total Organic Carbon (EPA 415.1)	Total Iron (EPA 6010)						November 3, 2006	
1	MW-1	10/26/06	12:20	1	2					1	1	1		X			X	X	X						X	
2	MW-2	10/26/06	11:35	1	2					1	1	1		X			X	X	X						X	
3	MW-3R	10/26/06	13:00	1	2					1	1	1		X			X	X	X						X	
4	MW-4	10/26/06	10:33	1	2					1	1	1		X			X	X	X						X	
5	MW-10	10/26/06	12:46	1	2					1	1	1		X			X	X	X						X	
6	MW-11	10/26/06	11:00	1	2					1	1	1		X			X	X	X						X	
7	RW-1	10/26/06	11:53	1	2					1	1	1		X			X	X	X						X	
8	RW-2	10/26/06	12:25	1	2					1	1	1		X			X	X	X						X	

	Date	Time		
Relinquished by: Kiff Analytical	10/27/06	1900	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by: Cal overnight 10/29/06	Date	Time 1098	Received by Laboratory:	Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 10 - 1 6 8 1

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiff Analytical DATE: 10/29/16

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

4.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: TL

CUSTODY SEAL INTACT:

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

Initial: TL

SAMPLE CONDITION:

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

Initial: TL

COMMENTS:

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

November 07, 2006

CLS Work Order #: CPJ1163
COC #: 53003

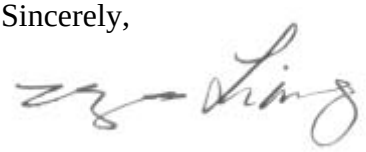
Troy Turpen
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

Project Name: 67107

Enclosed are the results of analyses for samples received by the laboratory on 10/27/06 16:15. 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

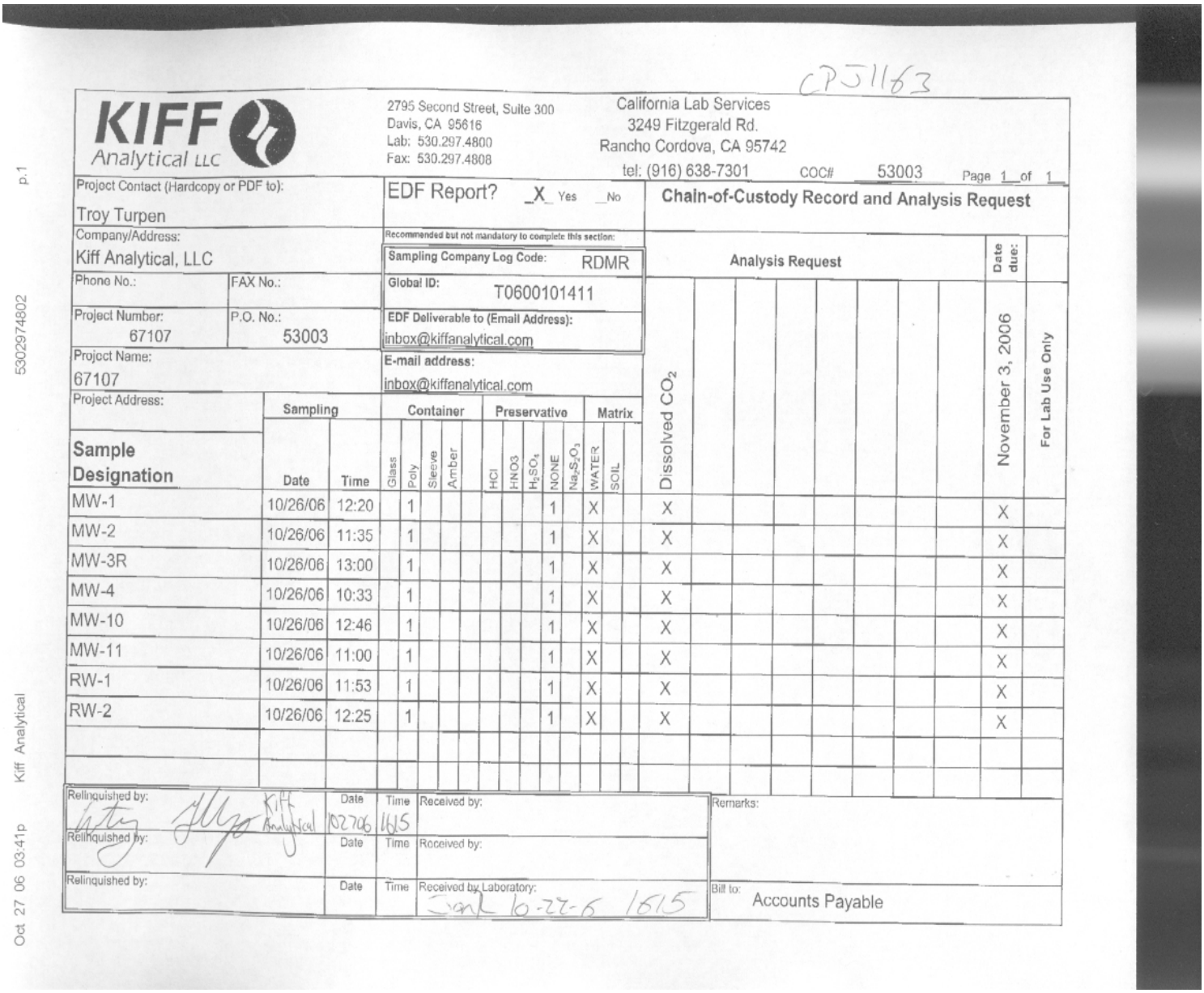
CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

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

Project: 67107
Project Number: 67107
Project Manager: Troy Turpen

CLS Work Order #: CPJ1163
COC #: 53003



CPJ1163

KIFF Analytical LLC
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) 638-7301 COC# 53003 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen
Company/Address: Kiff Analytical, LLC
Phone No.: FAX No.:
Project Number: 67107
P.O. No.: 53003
Project Name: 67107
Project Address:

EDF Report? _X_ Yes __No
Recommended but not mandatory to complete this section:
Sampling Company Log Code: RDMR
Global ID: T0600101411
EDF Deliverable to (Email Address): inbox@kiffanalytical.com
E-mail address: inbox@kiffanalytical.com

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container: Glass	Container: Poly	Container: Sleeve	Container: Amber	Preservative: HCl	Preservative: HNO3	Preservative: H_2SO_4	Preservative: NONE	Preservative: $Na_2S_2O_3$	Matrix: WATER	Matrix: SOIL	Dissolved CO_2	Date due: November 3, 2006	For Lab Use Only
MW-1	10/26/06	12:20		1						1		X		X	X	
MW-2	10/26/06	11:35		1						1		X		X	X	
MW-3R	10/26/06	13:00		1						1		X		X	X	
MW-4	10/26/06	10:33		1						1		X		X	X	
MW-10	10/26/06	12:46		1						1		X		X	X	
MW-11	10/26/06	11:00		1						1		X		X	X	
RW-1	10/26/06	11:53		1						1		X		X	X	
RW-2	10/26/06	12:25		1						1		X		X	X	

	Date	Time	
Relinquished by: Kiff Analytical	102706	1615	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory: 10-27-6 1615

Remarks:

Bill to: Accounts Payable

5302974802 p.1 Kiff Analytical Oct 27 06 03:41p

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

Project: 67107
Project Number: 67107
Project Manager: Troy Turpen

CLS Work Order #: CPJ1163
COC #: 53003

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPJ1163-01) Water Sampled: 10/26/06 12:20 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**32**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
MW-2 (CPJ1163-02) Water Sampled: 10/26/06 11:35 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**40**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
MW-3R (CPJ1163-03) Water Sampled: 10/26/06 13:00 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**58**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
MW-4 (CPJ1163-04) Water Sampled: 10/26/06 10:33 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**48**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
MW-10 (CPJ1163-05) Water Sampled: 10/26/06 12:46 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**84**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
MW-11 (CPJ1163-06) Water Sampled: 10/26/06 11:00 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**59**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
RW-1 (CPJ1163-07) Water Sampled: 10/26/06 11:53 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**39**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	
RW-2 (CPJ1163-08) Water Sampled: 10/26/06 12:25 Received: 10/27/06 16:15									
Carbon Dioxide as CO2	**27**	5.0	mg/L	1	CP08372	10/30/06	10/30/06	SM 4500C	

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

Project: 67107
Project Number: 67107
Project Manager: Troy Turpen

CLS Work Order #: CPJ1163
COC #: 53003

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP08372 - General Preparation										
Blank (CP08372-BLK1)				Prepared & Analyzed: 10/30/06						
Carbon Dioxide as CO2	ND	5.0	mg/L							

CALIFORNIA LABORATORY SERVICES

11/07/06 15:39

KIFF Analytical	Project: 67107	
2795 Second St. Suite 300	Project Number: 67107	**CLS Work Order #: CPJ1163**
Davis, CA 95616	Project Manager: Troy Turpen	COC #: 53003

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

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

SRG # / Lab No. 53003

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To):	Richard Munsch
Company / Address:	RDM Env.
Phone #:	916 415 1134
Fax #:	916 415 1154
Project #:	67107
P.O. #:	—
Project Name:	—
Project Address:	44 Lewelling. San Lorenzo.
California EDF Report?	☐ Yes ☐ No
Sampling Company Log Code:	
Global ID:	
EDF Deliverable To (Email Address):	
Sampler Signature:	[signature]

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar		HCl	HNO_3	None	H_2SO_4	Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	~~Total Lead (EPA 6010)~~	~~W.E.T. Lead (STLC)~~ T.O.C.	Alk	Iron	Diss. CO_2	For Lab Use Only
mw-1	10/26/06	1220	3		3	1				1	2	1	X						X	X		X								X	X	X	X	01
mw-2		1135																																02
mw-3R		1300																																03
mw-4		1033																																04
mw-10		1246																																05
mw-11		1100																																06
RW-1		1153																																07
RW-2		1225																																08

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

Relinquished by:	Date	Time	Received by:
Douglas Hoff.			
	Date ~~102606~~ 102706	1414	Received by Laboratory: [signature] Kiff Analytical

Remarks: STAT

Email Copy to RDM

Bill to: Tesoro / Rob Donovan.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.4	ADC	102706	1852	IR-4	(Yes) / No

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

Appendix C

Official Laboratory Reports and Chain of Custody Records –
Remediation System Analytical Data

KIFF Analytical LLC

Report Number : 53002
Date : 10/31/2006

Richard Munsch
Ramage Environmental
P.O. Box 869
Rancho Murieta, CA 95683

Subject : 3 Water Samples
Project Name : 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 53002
Date : 10/31/2006

Subject : 3 Water Samples
Project Name : 67107
Project Number : 67107

Case Narrative

Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for sample GW-Inf.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53002

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **GW-Inf** Matrix : Water Lab Number : 53002-01

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**0.84**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**8.2**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**37**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**19**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**8.8**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**4900**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	94.1		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53002

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **GW-MID** Matrix : Water Lab Number : 53002-02

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53002

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Sample : **GW-Eff** Matrix : Water Lab Number : 53002-03

Sample Date :10/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	93.3		% Recovery	EPA 8260B	10/28/2006

Approved By: Joel Kiff

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

Report Number : 53002

Date : 10/31/2006

QC Report : Method Blank Data

Project Name : **67107**

Project Number : **67107**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/28/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2006
Methanol	< 50	50	ug/L	EPA 8260B	10/28/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	10/28/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/28/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	10/28/2006
4-Bromofluorobenzene (Surr)	94.1		%	EPA 8260B	10/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

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	52996-06	21	40.0	40.0	52.8	51.6	ug/L	EPA 8260B	10/28/06	78.7	75.7	3.95	70-130	25
Toluene	52996-06	11	40.0	40.0	48.2	47.2	ug/L	EPA 8260B	10/28/06	92.2	89.7	2.80	70-130	25
Tert-Butanol	52996-06	<5.0	200	200	202	201	ug/L	EPA 8260B	10/28/06	101	101	0.568	70-130	25
Methyl-t-Butyl Ether	52996-06	<0.50	40.0	40.0	36.4	36.8	ug/L	EPA 8260B	10/28/06	91.1	92.0	1.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53002

QC Report : Laboratory Control Sample (LCS)

Date : 10/31/2006

Project Name : **67107**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/28/06	96.4	70-130
Toluene	40.0	ug/L	EPA 8260B	10/28/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/28/06	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/28/06	97.2	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 53002

Date : 10/31/2006

Attention : Richard Munsch
Ramage Environmental
P.O. Box 869
Rancho Murieta, CA 95683

Project Name :67107
Project Number : 67107

			Sample Name	GW-Inf		GW-MID		GW-Eff	
			Sample Date	10/26/2006		10/26/2006		10/26/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	**16**	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	**0.84**	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**8.2**	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	**37**	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	**19**	0.50	ND	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	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
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	**8.8**	5.0	ND	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND	50	ND	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	**4900**	50	ND	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		98.4		101		100
4-Bromofluorobenzene (Surr)	EPA 8260B	%		94.1		96.2		93.3

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

Calscience
Environmental
Laboratories, Inc.

November 03, 2006

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

Subject: **Calscience Work Order No.: 06-10-1682**
Client Reference: 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/28/2006 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/28/06
Work Order No: 06-10-1682

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
GW-EFF	**06-10-1682-1**	**10/26/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	10/31/06	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	10/30/06	10/31/06	EPA 410.4

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

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	10/31/06	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	10/30/06	10/31/06	EPA 410.4

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

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 06-10-1682

Project: 67107

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	EPA 410.4	06-10-1557-4	10/31/06	10	10	0	0-25	
Solids, Total Suspended	EPA 160.2	06-10-1777-1	10/31/06	244	242	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-10-1682

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike 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.

(1682)

KIFF Analytical LLC

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. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? __ Yes _X_No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

EDF Deliverable to (Email Address):

Project Number: 67107 P.O. No.: 53002

Project Name: 67107

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: November 3, 2006

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: VOA	Poly	Sleeve	GLASS	Tedlar	Preservative: HCl	HNO3	H2SO4	NONE	ICE	Matrix: WATER	SOIL	Air	TSS	COD							Date due: November 3, 2006	For Lab Use Only
GW-EFF	10/26/06	12:20		2		1				1	2		X			X	X							X	

Relinquished by:	Date	Time	Received by:
Kiff Analytical	102706	1800	
Relinquished by:	Date	Time	Received by:
Relinquished by: overnight	10/28/06	10:50	Received by Laboratory:

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 10 - 1682

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiff Analytical DATE: 10/29/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: TL

CUSTODY SEAL INTACT:

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

Initial: TL

SAMPLE CONDITION:

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

Initial: TL

COMMENTS:

KIFF Analytical LLC

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

SRG # / Lab No. 53002

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): RICHARD MUNSCH.	California EDF Report? ☐ Yes ☐ No
Company / Address: RDM ENV.	Sampling Company Log Code:
Phone #: 916 445 1134 / Fax #: 916 445 1154	Global ID:
Project #: 67107 / P.O. #:	EDF Deliverable To (Email Address):
Project Name:	Sampler Signature:
Project Address: 44 Cowelling.	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: H_2SO_4	Matrix: Water	Matrix: Soil	Matrix: Air
GW-INF	10/26/06	1324	3									X		
GW-MID	"	1322	3									X		
GW-EFF	"	1320	3		2	1		3		2	1	X		

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TSS.	D.O.	TAT	For Lab Use Only
		X	X		X											☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk	01
		X	X		X												02
		X	X		X									X	X		03

Relinquished by:	Date	Time	Received by:
DOUGLAS HOFF			
	102706	1414	Received by Laboratory: Kiff Analytical

Remarks: STAT

Email Copy to RDM

Bill to: Tesoro / Rob Donovan.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.4	AR	102706	1853	IR-4	Yes / No

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

KIFF Analytical LLC

Report Number : 53603
Date : 12/6/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Water Samples
Project Name : 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 53603

Date : 12/6/2006

Project Name : **67107**

Project Number : **67107**

Sample : **GW-INF** Matrix : Water Lab Number : 53603-01

Sample Date :11/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**29**	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	**1.8**	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	**14**	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	**74**	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	**16**	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	**6.8**	5.0	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	**820**	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	11/30/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53603
Date : 12/6/2006

Project Name : **67107**
Project Number : **67107**

Sample : **GW-MID** Matrix : Water Lab Number : 53603-02

Sample Date :11/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	11/30/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 53603

Date : 12/6/2006

Project Name : **67107**

Project Number : **67107**

Sample : **GW-EFF** Matrix : Water Lab Number : 53603-03

Sample Date :11/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/1/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/1/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/1/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	12/1/2006
4-Bromofluorobenzene (Surr)	96.9		% Recovery	EPA 8260B	12/1/2006

Approved By: Joel Kiff

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

Report Number : 53603

Date : 12/6/2006

QC Report : Method Blank Data

Project Name : **67107**

Project Number : **67107**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/30/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/30/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/30/2006
Toluene - d8 (Surr)	98.5		%	EPA 8260B	11/30/2006
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	11/30/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53603

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/6/2006

Project Name : **67107**

Project Number : **67107**

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	53551-07	<0.50	40.0	40.0	38.2	37.4	ug/L	EPA 8260B	11/30/06	95.4	93.6	1.96	70-130	25
Toluene	53551-07	<0.50	40.0	40.0	37.2	36.6	ug/L	EPA 8260B	11/30/06	93.0	91.6	1.47	70-130	25
Tert-Butanol	53551-07	<5.0	200	200	200	198	ug/L	EPA 8260B	11/30/06	99.9	98.8	1.13	70-130	25
Methyl-t-Butyl Ether	53551-07	2.8	40.0	40.0	39.8	39.7	ug/L	EPA 8260B	11/30/06	92.5	92.2	0.233	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 53603

QC Report : Laboratory Control Sample (LCS)

Date : 12/6/2006

Project Name : **67107**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/30/06	92.7	70-130
Toluene	40.0	ug/L	EPA 8260B	11/30/06	95.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/30/06	96.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/30/06	82.8	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 53603

Date : 12/6/2006

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

Project Name :67107
Project Number : 67107

			Sample Name	GW-INF		GW-MID		GW-EFF	
			Sample Date	11/28/2006		11/28/2006		11/28/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	**29**	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	**1.8**	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**14**	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	**74**	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	**16**	0.50	ND	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	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
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	**6.8**	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	**820**	50	ND	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		100		99.5		99.5
4-Bromofluorobenzene (Surr)	EPA 8260B	%		99.5		96.8		96.9

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

Calscience
Environmental
Laboratories, Inc.

December 27, 2006

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

Subject: **Calscience Work Order No.: 06-12-1132**
Client Reference: 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/19/2006 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/19/06
Work Order No: 06-12-1132

Project: 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
GW-EFF	**06-12-1132-1**	**11/28/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chemical Oxygen Demand	8.0	5.0	1		mg/L	12/23/06	12/27/06	EPA 410.4

Method Blank					**N/A**	**Aqueous**		
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chemical Oxygen Demand	ND	5.0	1		mg/L	12/23/06	12/27/06	EPA 410.4

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

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 06-12-1132

Project: 67107

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	EPA 410.4	06-12-1452-1	12/27/06	ND	ND	NA	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-1132

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike 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.

KIFF Analytical LLC

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. 1132

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen	EDF Report? ___ Yes _X_No
Company/Address: Kiff Analytical, LLC	Recommended but not mandatory to complete this section:
Phone No.:	FAX No.:
Project Number: 67107	P.O. No.: 53603
Project Name: 67107	E-mail address: inbox@kiffanalytical.com
Project Address:	

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Sample Designation	Sampling Date	Sampling Time	Container: VOA	Poly	Sleeve	Amber	Glass	Preservative: HNO_3	H_2SO_4	$Na_2S_2O_3$	$ZnAc_2$ & NaOH	NONE	Matrix: WATER	SOIL	Air	Analysis Request: Chemical Oxygen Demand (EPA 410.4)	Date due:	For Lab Use Only
GW-EFF	11/28/06	08:20					1		1				X			X	December 22, 2006	X

Relinquished by: HK Kiff Analytical	Date 121806	Time 1900	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by: CD	Date 12-19-06	Time 0830	Received by Laboratory: UCbatch CL

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06-12-11 32

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL **DATE:** 12-19-06

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):

3.1 °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:

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

Initial: WB

COMMENTS:

KIFF Analytical LLC

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

SRG # / Lab No. 53603

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munson	California EDF Report? ☐ Yes ☐ No
Company / Address: RDM Env.	Sampling Company Log Code:
Phone #: 916 415 1134 / Fax #: 916 415 1154	Global ID:
Project #: 67107 / P.O. #: —	EDF Deliverable To (Email Address):
Project Name: 67107	Sampler Signature:
Project Address: 44 Lewelling Blvd San Lorenzo.	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: H_2SO_4	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	T.S.S.	C.O.D.	For Lab Use Only
GW-INF	11/28/06	0826	3					3				X					X	X	X											01
GW-M.D	11/28/06	0823	3					3				X					X	X	X											02
GW-EFF	11/28/06	0820	3		1			3		1		X					X	X	X									X	X	03

Relinquished by: Douglas Hoff	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date: 113006	Time: 1250	Received by Laboratory: Kiff Analytical LLC	

Remarks: STAT

Email copy to RDM

Bill to: Tesoro / Rob Donovan

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

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.4	TJA	113006	1720	IR4	(Yes) / No

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

KIFF Analytical LLC

Report Number : 54069
Date : 12/28/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Water Samples
Project Name : Tesoro St 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 54069

Date : 12/28/2006

Project Name : **Tesoro St 67107**

Project Number : **67107**

Sample : **GW EFF** Matrix : Water Lab Number : 54069-01

Sample Date :12/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/27/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/27/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/27/2006
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	12/27/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	12/27/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54069
Date : 12/28/2006

Project Name : **Tesoro St 67107**
Project Number : **67107**

Sample : **GW MID** Matrix : Water Lab Number : 54069-02
Sample Date :12/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	12/26/2006
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/26/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	12/26/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	12/26/2006

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 54069
Date : 12/28/2006

Project Name : **Tesoro St 67107**
Project Number : **67107**

Sample : **GW INF** Matrix : Water Lab Number : 54069-03
Sample Date :12/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**38**	0.50	ug/L	EPA 8260B	12/26/2006
Toluene	**2.1**	0.50	ug/L	EPA 8260B	12/26/2006
Ethylbenzene	**9.8**	0.50	ug/L	EPA 8260B	12/26/2006
Total Xylenes	**65**	0.50	ug/L	EPA 8260B	12/26/2006
Methyl-t-butyl ether (MTBE)	**18**	0.50	ug/L	EPA 8260B	12/26/2006
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/26/2006
Tert-Butanol	**6.1**	5.0	ug/L	EPA 8260B	12/26/2006
TPH as Gasoline	**680**	50	ug/L	EPA 8260B	12/26/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	12/26/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	12/26/2006

Approved By: Joel Kiff

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

Report Number : 54069

Date : 12/28/2006

QC Report : Method Blank Data

Project Name : **Tesoro St 67107**

Project Number : **67107**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2006
Toluene - d8 (Surr)	95.9		%	EPA 8260B	12/27/2006
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	12/27/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/26/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/26/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/26/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	12/26/2006
4-Bromofluorobenzene (Surr)	98.9		%	EPA 8260B	12/26/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 54069

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/2006

Project Name : **Tesoro St 67107**

Project Number : **67107**

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	54070-13	<0.50	40.0	40.0	39.8	39.5	ug/L	EPA 8260B	12/27/06	99.5	98.8	0.656	70-130	25
Toluene	54070-13	<0.50	40.0	40.0	37.4	37.2	ug/L	EPA 8260B	12/27/06	93.6	93.1	0.496	70-130	25
Tert-Butanol	54070-13	<5.0	200	200	191	200	ug/L	EPA 8260B	12/27/06	95.6	99.9	4.42	70-130	25
Methyl-t-Butyl Ether	54070-13	<0.50	40.0	40.0	41.6	42.2	ug/L	EPA 8260B	12/27/06	104	105	1.42	70-130	25
Benzene	54046-01	9.0	40.0	40.0	48.5	47.3	ug/L	EPA 8260B	12/26/06	98.7	95.8	2.91	70-130	25
Toluene	54046-01	0.77	40.0	40.0	41.1	39.8	ug/L	EPA 8260B	12/26/06	101	97.5	3.28	70-130	25
Tert-Butanol	54046-01	<5.0	200	200	201	206	ug/L	EPA 8260B	12/26/06	101	103	2.57	70-130	25
Methyl-t-Butyl Ether	54046-01	<0.50	40.0	40.0	36.2	35.9	ug/L	EPA 8260B	12/26/06	90.6	89.7	1.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 54069

QC Report : Laboratory Control Sample (LCS)

Date : 12/28/2006

Project Name : **Tesoro St 67107**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/27/06	89.3	70-130
Toluene	40.0	ug/L	EPA 8260B	12/27/06	85.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/27/06	89.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/27/06	94.5	70-130
Benzene	40.0	ug/L	EPA 8260B	12/26/06	97.4	70-130
Toluene	40.0	ug/L	EPA 8260B	12/26/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/26/06	98.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/26/06	87.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 54069

Date : 12/28/2006

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

Project Name :Tesoro St 67107
Project Number : 67107

			Sample Name	GW EFF		GW MID		GW INF	
			Sample Date	12/22/2006		12/22/2006		12/22/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	**38**
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	**2.1**
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	**9.8**
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	**65**
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	**18**
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	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
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	5.0	**6.1**
TPH as Gasoline	EPA 8260B	ug/L	50	ND	50	ND	50	**680**
Toluene - d8 (Surr)	EPA 8260B	%		97.5		102		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		101		101		101

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

Calscience
Environmental
Laboratories, Inc.

January 02, 2007

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

Subject: **Calscience Work Order No.: 06-12-1553**
Client Reference: Tesoro St 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/27/2006 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,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/27/06
Work Order No: 06-12-1553

Project: Tesoro St 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix
GW EFF	**06-12-1553-1**	**12/22/06**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	12/29/06	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	12/29/06	12/29/06	EPA 410.4

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

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	12/29/06	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	12/29/06	12/29/06	EPA 410.4

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

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 06-12-1553

Project: Tesoro St 67107

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	EPA 410.4	GW EFF	12/29/06	ND	ND	NA	0-25	
Solids, Total Suspended	EPA 160.2	06-12-1532-1	12/29/06	196	219	11	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-1553

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike 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.

KIFF Analytical LLC
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. 1553

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? __ Yes _X_ No

Chain-of-Custody Record and Analysis Request

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Phone No.:

FAX No.:

Project Number: 67107

P.O. No.: 54069

Project Name: Tesoro St 67107

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: January 3, 2007

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: VOA	Poly	Sleeve	Amber	Glass Jar	Preservative: HNO3	H2SO4	Na2S2O3	ZnAc2 & NaOH	NONE	Matrix: WATER	SOIL	Air	COD	TSS							Date due:	For Lab Use Only
GW EFF	12/22/06	1315		1			1		X			X	X			X	X							X	

Relinquished by:	Date	Time	Received by:
HK Kiff Analytical	122606	1900	
	12/27/06	0800	Received by Laboratory:

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 12 - 1553

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Tetra Tech DATE: 12/27/06

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):

3.9 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Applicable (N/A): _____

Initial: JP

SAMPLE CONDITION:

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

Initial: JP

COMMENTS:

KIFF Analytical LLC

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

SRG # / Lab No. 54069

Page ___ of ___

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munson	California EDF Report? ☐ Yes ☐ No
Company / Address: 6280 Bristow, Rancho CA	Sampling Company Log Code:
Phone #: 916 415 1134 / Fax #: 916 415 1154	Global ID:
Project #: 67107 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Tesoro St 67107	Sampler Signature:
Project Address: 44 Lewelling Blvd San Lorenzo	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None	H_2SO_4		Matrix: Water	Soil	Air			Analysis Request: MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	COD	TSS		TAT	For Lab Use Only
GW EFF	12/22/06	1315	3		1	1			X		X	X		X							X	X	X								X	X		☐ 12 hr	01
GW MID	12/22/06	1320	3						X					X							X	X	X											☐ 24 hr	02
GW IAC	12/22/06	1325	3						X					X							X	X	X											☐ 48 hr	03
																																		☐ 72 hr	
																																		☐ 1 wk	

Relinquished by:	Date	Time	Received by:
Stefan Ruan	12/22/06		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	122606	1315	Kiff Analytical Rozmyn Lee

Remarks:
STAT
Please email copy to ROM

Bill to: Tesoro Petroleum / Rob Duncan

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.0	Rm	122606	1550	IR-5	(Yes) / No

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