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Environmental Health

FIRST QUARTER 2007
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

Prepared For:

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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 February 6, 2007. 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](https://portal.haleyaldrich.com/sites/ext/SanLorenzo)).

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, RW-2, MW-10 and MW-11 at concentrations greater than 500 micrograms per liter (ug/L). Total xylenes and MTBE were also found in MW-11 at higher concentrations than expected, this well will be resampled the week of 30 April 2007.

Benzene, toluene, ethyl benzene, xylenes (BTEX) and total petroleum hydrocarbon (TPH) concentrations **decreased** slightly in MW-3 from the 4th Quarter 2006 sampling event but remained within seasonal fluctuations observed at the site. The remaining monitoring locations exhibited **similar** values for the target parameters with one exception 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 1st 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 for closure with compliance to the remedial goals.

RW-2 and MW-3R pumping continued and the groundwater capture zone for the re-configured recovery system appeared to stabilize. The inferred groundwater levels from the groundwater monitoring well network indicate that the capture zone extends further downgradient from the site.

The installation of an additional monitoring location (to be designated MW-12) will be completed in accordance with the approved work plan within the next quarter. Upon completion the new monitoring well will be incorporated into future groundwater sampling events.

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- C Official Laboratory Report and Chain of Custody Records – Remedial System Analytical Data

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](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Lorenzo)), 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](https://portal.Haleyaldrich.com/sites/ext/Tesoro/San%20Lorenzo)).

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](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Lorenzo)).

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](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Lorenzo)).

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 February 2, 2007, static 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 to the southwest.

Following the determination of the static 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, dissolve 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 2 February 2007 sampling event were submitted under a completed COC 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, TPH-G, MTBE and total xylenes iso-concentration maps are shown on Figures 4, 5, 6, and 7, respectively. The final laboratory reports with chain of custody records for the 1st Quarter 2007 quarterly groundwater sampling event are included in Appendix B.

5.3 FINDINGS

Static 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 2 February 2007 from wells MW-1, MW-2, MW-3, MW-4, MW-7, 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 94 µg/L. These data are consistent with groundwater sample results from the 4th Quarter 2006. Figure 4 presents the benzene iso-concentration map for the 1st Quarter 2007 sampling event.
- Total xylenes were detected in groundwater samples collected from wells MW-3, MW-10, MW-11 and RW-2 at concentrations consistent with historical groundwater sample results except MW-11, discussed below. Figure 7 presents the total xylenes iso-concentration map for the 1st Quarter 2007 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 except for MW-11, discussed below. Figure 6 presents the MTBE iso-concentration map for the 1st Quarter 2007 sampling event.
- TPH-G was detected in groundwater samples collected from wells MW-3, MW-10, MW-11, and RW-2 at concentrations of 1500, 4900, 930, and 1100 µg/L, respectively. Figure 5 presents the TPH-G iso-concentration map for the 1st Quarter 2007 sampling event. These data support the need to continue groundwater recovery from RW-2 to address TPH-G identified in MW-10.
- Results from sample MW-11 are at or above historical concentrations for total xylenes, TPHg, and MTBE. MW-11 was re-sampled the week of 30 April 2007 to confirm the results.

6.0 SITE CONCEPTUAL MODEL

6.1 HYDROGEOLOGIC SETTING

The groundwater flow is toward the southwest, 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 1st 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 appears to support this conclusion as the monitoring locations with the highest levels of site contaminants exhibit the most anoxic conditions.

Ozone (O₃) and/or pure oxygen (O₂) 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 2006, the MW-3 and RW-2 were converted over to extraction wells and 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.

During the 1st Quarter, the sewer transfer pump was shut down on January 23, 2007. The pump was replaced and the system was restarted on January 30, 2007. Other maintenance issues during the quarter included replacing the totalizer. On February 28, 2007 the totalizer was pulled for inspection. The totalizer had a broken fin and was not repairable, therefore it was replaced with a new totalizer on March 8, 2007. The system remained operational.

The 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 4 lbs of contaminants were extracted. Contaminants were detected in the mid-carbon samples during the 23 January 2007 and the 21 February 2007 sampling events. There was no detections in the effluent samples. The lead carbon vessel was replaced on 28 February 2007. 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 351,248 gallons at an average recovery rate of 2.65 gallons per minute. Influent, mid, and effluent groundwater treatment system samples were collected for analysis of BTEX, fuel oxygenates and TPH-G on 23 January, 21 February and 31 March 2007. Maximum influent concentration of contaminants detected was 1400 µg/L for TPHg. Contaminants were not detected in the effluent samples collected and analyzed during the 1st Quarter.

7.2 CONCLUSIONS AND RECOMMENDATIONS

Operation of the re-configured groundwater recovery and treatment system should be continued with system performance monitoring through collecting process samples to determine GAC treatment efficiency. Continue to determine groundwater elevations at down gradient locations, MW-4, MW-9 and MW-10 to confirm the effectiveness of groundwater extraction at RW-2 to control contaminant migration. Perform 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

During the 2nd Quarter 2007, an additional monitoring well (MW-12) will be installed in accordance with the approved 19 November 2006 RDM Work Plan 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 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 2nd Quarter 2007 Monitoring Report.

9.0 PROPOSED WORK SCHEDULE

RDM, Haley & Aldrich, and Tesoro propose the following work activities for the 2nd Quarter of 2007:

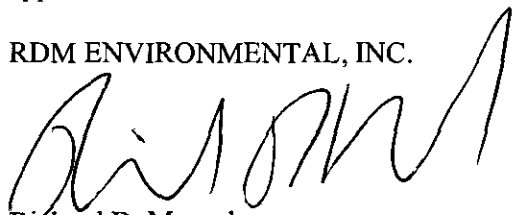
- Continue operation of MW-3R and RW-2 as active pumping wells and monitor for influent and effluent concentrations of contaminants.
- Collect TPH-G, VOC, dissolved oxygen, oxidation/reduction potential, pH, and specific conductivity parameters to monitor the subsurface conditions.
- Collect groundwater 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 active 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.

RDM ENVIRONMENTAL, INC.



Richard D. Munsch
Project Manager



Michael G. Lee, P.E. (CA)
CA Reg. Civil Engineer No. C055795



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

TABLE 1

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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 (Cont.)	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	NA	No free product or sheen
	08/19/98		14.58	29.09	12	<2.5	6.0 ^e	3.8 ^e	<250 ^e	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	<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	<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	<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	<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	<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	<2.0	290	750	NA	No free product or sheen	
02/11/02	15.77	45.98	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		
02/02/07	16.57	29.41	<0.5	<0.5	<0.5	<0.5	<50	17	6.7 ^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-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 (Cont.)	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
	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		
02/02/07	15.60	29.63	<0.5	<0.5	<0.5	<0.5	<50	1.1	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
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

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-3 (Cont.)	03/31/98	43.10	11.55	31.55	1,800	600	410	1,400	12,000	510	NA	No free product or sheen
	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		
02/02/07	21.96	23.25	94	4.3	7.0	110	1,500	42	26 ^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-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	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	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	NA	No free product or sheen
	03/31/98		13.61	31.05	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	No free product or sheen
	05/26/98		14.78	29.88	NS	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	<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	<0.5 ^c	120 ^c	46 ^c	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-4 (Cont.)	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	
	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	NS	Not sampled	
11/09/99	17.60		27.06	<0.5	<0.5	<0.5	<0.5	<50	2,500	NA	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	NA	No free product or sheen	
06/12/00	16.26		28.40	<20	<20	<20	<20	<2,000	17,000	NA	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	NA	No free product or sheen	
02/26/01	16.31		28.35	NS	NS	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	NA	NA	No free product or sheen
09/05/01	18.22	26.44	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
11/07/01	19.01	25.65	<10	<10	<10	<10	<1,000	3,800	NA	NA	NA	No free product or sheen	
02/11/02	46.98	16.68	30.30	NS	NS	NS	NS	NS	NS	NS	NA	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	NA	NA	No free product or sheen
08/06/02		17.92	29.06	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled
11/14/02		17.92	29.06	<2.0	<2.0	<2.0	<2.0	<200	700	ND	ND	ND	No free product or sheen
02/20/03		16.72	30.26	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled
05/15/03		16.51	30.47	<0.5	<0.5	<0.5	<0.5	<50	73	ND	ND	ND	No free product or sheen
07/31/03		17.41	29.57	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled
10/28/03		18.30	28.68	<0.5	<0.5	<0.5	<0.5	<50	65	ND	ND	ND	No free product or sheen
02/28/04		15.82	31.16	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled
04/16/04		16.42	30.56	<0.5	<0.5	<0.5	<0.5	<50	6.2	ND	ND	ND	No free product or sheen
07/16/04	16.94	30.04	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
11/13/04	17.00	29.98	<0.5	<0.5	<0.5	<0.5	<50	50	ND	ND	ND	No free product or sheen	
02/04/05	16.25	30.73	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
04/13/05	15.33	31.65	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
08/10/05	16.74	30.24	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
11/05/05	17.23	29.75	NS	NS	NS	NS	NS	NS	NS	NA	NA	Not Sampled	
01/30/06	15.62	31.36	<0.5	<0.5	<0.5	<0.5	<50	3.5	ND	ND	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	ND	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	ND	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	ND	ND	No free product or sheen	
02/02/07	17.52	29.46	<0.5	<0.5	<0.5	<0.5	<50	1.0	ND	ND	ND	No free product or sheen	

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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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MW-5 (Cont.)	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
	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	NS	Not Sampled
09/05/01	16.99		26.80	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/07/01	17.51	26.28	NS	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	NS	Not Sampled
06/03/02		14.96	31.16	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
08/06/02		15.65	30.47	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/14/02		15.69	30.43	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/20/03		14.19	31.93	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/15/03		15.44	30.68	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
07/31/03		16.48	29.64	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/28/03		16.92	29.20	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/28/04		14.64	31.48	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/16/04		15.28	30.84	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
07/16/04		15.88	30.24	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
11/13/04		15.98	30.14	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
02/04/05		15.17	30.95	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/13/05		14.12	32.00	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
08/10/05		15.69	30.43	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
11/05/05		16.32	29.80	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
01/30/06		14.49	31.63	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/28/06		13.51	32.61	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
08/15/06	15.46	30.66	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
10/26/06	16.42	29.70	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
02/02/07	16.49	29.63	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	

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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	<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	<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	<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	<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	<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	<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	<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	NA	No free product or sheen
	01/30/96		NM	NC	1.0	<0.5	<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	<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	<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	<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	<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	<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	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.22	<0.5	<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	<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	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<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	<0.5	<50	<5.0	NA	No free product or sheen		

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MW-6 (Cont.)	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	
	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	NS	Not Sampled
	05/21/01		15.23	27.24	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01	16.31	26.16	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled	
	11/07/01	17.01	25.46	NS	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	NS	Not Sampled
	06/03/02		16.39	28.40	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		18.90	25.89	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		18.93	25.86	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		15.64	29.15	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		14.07	30.72	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	07/31/03		15.21	29.58	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	10/28/03		15.73	29.06	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/28/04		13.12	31.67	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	04/16/04		13.92	30.87	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	07/16/04	14.53	30.26	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
	11/13/04	14.62	30.17	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
	02/04/05	13.74	31.05	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
	04/13/05	15.59	29.20	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
08/10/05	14.33	30.46	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
11/05/05	14.98	29.81	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
01/30/06	12.99	31.80	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
04/28/06	11.90	32.89	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
08/15/06	14.13	30.66	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
10/26/06	15.08	29.71	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		
02/02/07	15.16	29.63	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled		

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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	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	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	NA	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98			NM		NC	<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	NA	No free product or sheen
11/17/98	13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	NA	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 (Cont.)	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
	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	<50	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	<50	<0.5	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	<50	<0.5	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	<50	<0.5	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		
02/02/07	14.62	29.23	<0.5	<0.5	<0.5	<0.5	<50	<0.5	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
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 (Cont.)	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
	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	NS	Not sampled
11/09/99	15.61		26.65	NS	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	NA	No free product or sheen
06/12/00	14.19		28.07	NS	NS	NS	NS	NS	NS	NS	NS	Not sampled
11/15/00	16.04		26.22	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/26/01	12.99		29.27	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/21/01	13.86		28.40	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
09/05/01	14.91		27.35	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/07/01	15.62	26.64	NS	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	NS	Not Sampled
06/03/02		13.96	30.89	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
08/06/02		15.82	29.03	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/14/02		15.86	28.99	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/20/03		14.70	30.15	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/15/03		14.50	30.35	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
07/31/03		15.73	29.12	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/28/03		16.14	28.71	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/28/04		14.02	30.83	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/16/04		14.52	30.33	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
07/16/04		14.88	29.97	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
11/13/04		15.12	29.73	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
02/04/05		14.17	30.68	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/13/05		13.16	31.69	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
08/10/05		14.41	30.44	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
11/05/05		14.87	29.98	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
01/30/06		13.65	31.20	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/28/06		12.63	32.22	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
08/15/06	14.42	30.43	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
10/26/06	15.32	29.53	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
02/02/07	15.52	29.33	NS	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 (Cont.)	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
	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	NS	Not sampled
11/09/99	17.98		26.96	NS	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	NA	No free product or sheen
06/12/00	16.70		28.24	NS	NS	NS	NS	NS	NS	NS	NS	Not sampled
11/15/00	18.65		26.29	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/26/01	14.80		30.14	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/21/01	15.68		29.26	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
09/05/01	16.70		28.24	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/07/01	17.23	27.71	NS	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	NS	Not Sampled
06/03/02		17.66	29.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	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	ND	No free product or sheen
11/14/02		18.33	28.93	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/20/03		16.85	30.41	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/15/03		16.63	30.63	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
07/31/03		17.58	29.68	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
10/28/03		17.93	29.33	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
02/28/04		16.22	31.04	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
04/16/04		16.82	30.44	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled
07/16/04	17.33	29.93	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
11/13/04	17.42	29.84	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
02/04/05	16.68	30.58	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
04/13/05	15.78	31.48	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
08/10/05	17.11	30.15	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
11/05/05	17.59	29.67	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
01/30/06	16.06	31.20	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
04/28/06	12.50	34.76	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
08/15/06	16.87	30.39	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
10/26/06	17.87	29.39	NS	NS	NS	NS	NS	NS	NS	NA	Not Sampled	
02/02/07	17.88	29.38	NS	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
	02/02/07		15.60	29.05	0.72	2.3	7.4	15	4,900	21	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
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 (Cont.)	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	
	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	NS	Not sampled	
11/09/99	18.64		26.36	0.87	<0.5	<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	<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	<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	<0.5	<50	1.8	NA		
02/26/01	17.80		27.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/21/01	18.23		26.77	<0.5	<0.5	<0.5	<0.5	<0.5	<50	30	NA	NA	No free product or sheen
09/05/01	19.21		25.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/07/01	19.80	25.20	<0.5	<0.5	<0.5	<0.5	<0.5	360	330	NA	NA	No free product or sheen	
02/11/02		47.36	17.40	29.96	NS	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 ^c	NA	No free product or sheen
08/06/02			18.80	28.56	NS	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	ND	No free product or sheen
02/20/03			17.46	29.90	NS	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	ND	No free product or sheen
07/31/03			18.81	28.55	NS	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	ND	No free product or sheen
02/28/04			17.33	30.03	<0.5	<0.5	<0.5	<0.5	360	140	ND	ND	No free product or sheen
04/16/04			17.67	29.69	<0.5	<0.5	<0.5	<0.5	440	110	ND	ND	No free product or sheen
07/16/04		18.01	29.35	<0.5	<0.5	<0.5	<0.5	<50	10	ND	ND	No free product or sheen	
11/13/04		18.19	29.17	<0.5	<0.5	<0.5	<0.5	230	49	ND	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	ND	No free product or sheen	
04/13/05		16.81	30.55	<0.5	<0.5	<0.5	<0.5	<50	12	ND	ND	No free product or sheen	
08/10/05		17.74	29.62	NS	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	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	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	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	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	ND	No free product or sheen	
02/02/07		18.50	28.86	<0.5	<0.5	<0.5	0.72	930	27	ND	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 (cont)	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
	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	NA	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	NA	No free product or sheen	
11/14/02	24.83	20.64	<0.5	<0.5	<0.5	<0.5	<50	170	ND	NA	No free product or sheen	
02/20/03	23.56	21.91	<0.5	<0.5	<0.5	<0.5	<50	120	ND	NA	No free product or sheen	
05/15/03	22.80	22.67	<0.5	<0.5	<0.5	<0.5	<50	110	ND	NA	No free product or sheen	
07/31/03	21.71	23.76	<0.5	<0.5	<0.5	<0.5	<50	99	ND	NA	No free product or sheen	
10/28/03	22.07	23.40	<0.5	<0.5	<0.5	<0.5	<50	88	ND	NA	No free product or sheen	
02/28/04	19.32	26.15	1.3	<0.5	<0.5	<0.5	<50	52	ND	NA	No free product or sheen	
04/16/04	23.95	21.52	<0.5	<0.5	<0.5	<0.5	<50	57	ND	NA	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	NA	No free product or sheen	
11/13/04	15.63	29.84	1.0	<0.5	<0.5	<0.5	<50	71	ND	NA	No free product or sheen	
02/04/05	18.57	26.90	<0.5	<0.5	<0.5	<0.5	<50	45	ND	NA	No free product or sheen	
04/13/05	24.21	21.26	1.1	<0.5	<0.5	<0.5	<50	52	12 ^e	NA	No free product or sheen	
08/10/05	33.59	11.88	<0.5	<0.5	<0.5	<0.5	<50	29	ND	NA	No free product or sheen	
11/05/05	25.63	19.84	<0.5	<0.5	<0.5	<0.5	<50	27	ND	NA	No free product or sheen	
01/30/06	24.39	21.08	0.61	<0.5	<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	<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	NA	No free product or sheen	
10/26/06	25.48	19.99	<0.5	<0.5	<0.5	<0.5	<50	16	ND	NA	No free product or sheen	
02/02/07	16.62	28.85	<0.5	<0.5	<0.5	<0.5	<50	12	ND	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-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
02/02/07		14.27	27.73	<0.5	<0.5	0.75	1.3	1,100	2.3	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	7.97	
		6.98	1.24	-151	658	73.7		1.2				
		7.00	1.25	-145	711	72.0		1.2				
	02/02/07	6.96	2.58	-102	642	66.9	37	1.0	284	6.6	4.33	
		7.00	2.63	-141	660	66.7		1.0				
		6.92	2.38	-140	645	66.5		1.0				
	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				
02/02/07		6.90	2.68	56	588	67.6	48	0.0	242	2.6	<0.10	
		6.31	2.31	68	599	64.3		0.0				
		6.63	1.50	54	675	64.2		0.0				
		6.79	1.96	47	648	66.4		0.0				
		6.70	2.65	64	642	66.8		0.0				
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
	02/02/07	6.82	2.33	-154	890	68.2	69	1.8	420	5.3	1.33	
		6.91	2.32	-160	895	68.5		1.8				
		6.85	2.32	-164	901	69.1		1.8				

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-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				
	02/02/07	6.58	4.01	-110	771	63.5	54	0.0	260	3	<0.1	
		6.57	4.22	-112	791	64.0		0.0				
		6.56	3.71	-116	7.85	65.0		0.0				
	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				
02/02/07		7.02	2.42	-146	716	66.6	64	1.4	362	4.6	0.907	
		6.93	2.79	-143	721	66.7		1.4				
		6.57	2.68	-141	740	64.7		1.4				
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				
	02/02/07	6.64	2.52	-82	753	63.9	37	0.4	416	3.4	0.758	
		6.65	2.44	-120	807	64.6		0.4				
		6.68	2.54	-104	797	64.6		0.4				

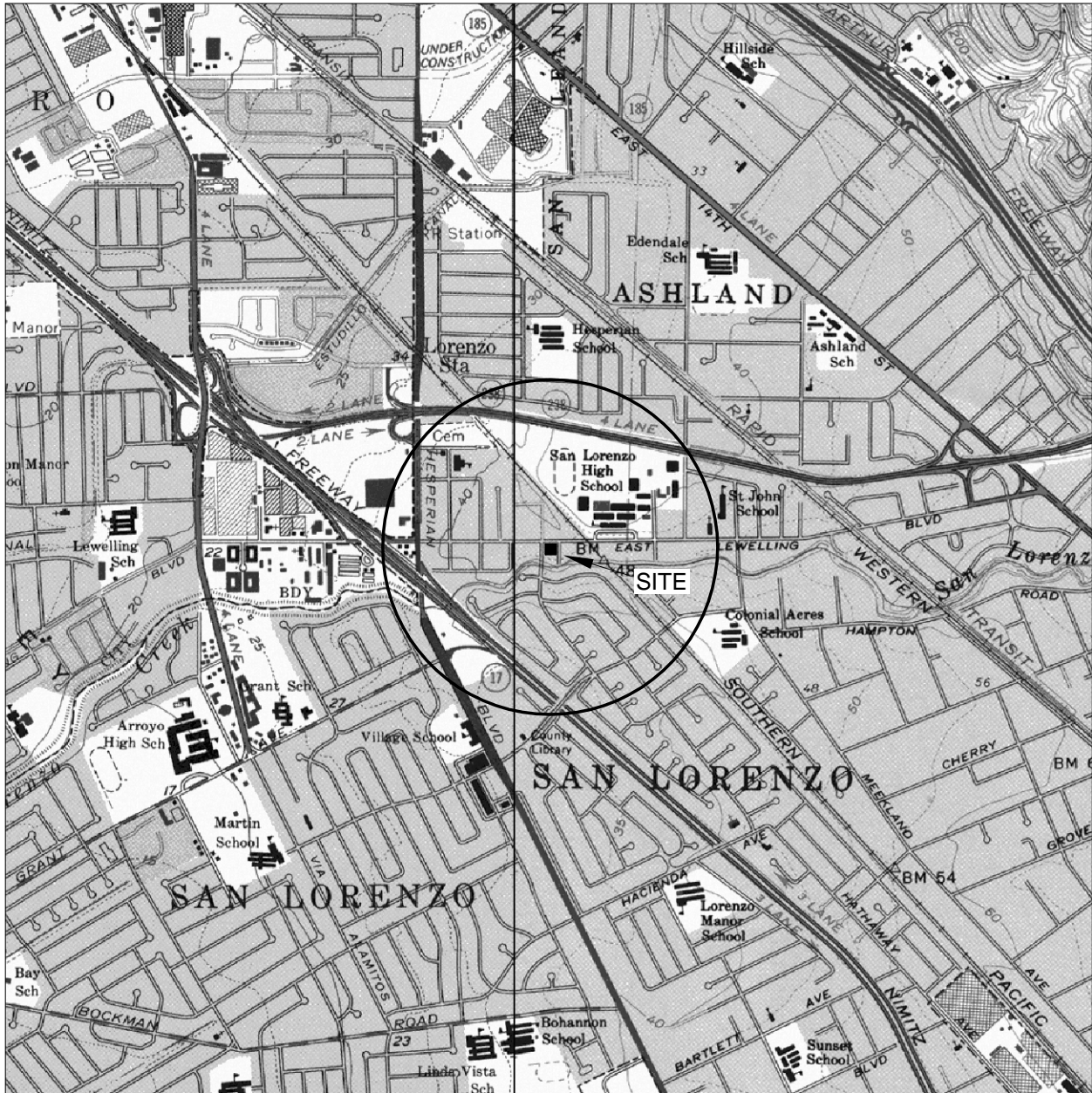
TABLE 2

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)		
RW-1	08/15/06	7.07	1.31	73	860	69.1	37	0.0	370	2.4	2.38		
		7.08	1.45	71	853	69.5		0.4					
		7.06	1.49	43	861	69.6		0.0					
	10/26/06	NM	NM	NM	NM	NM	39	NM	362	2.1	<0.10	Pump Well	
	02/02/07	6.99	2.38	60	781	68.2	33	0.4	340	2.8	<0.10		
		7.01	2.26	56	788	68.4		0.4					
		7.02	2.28	62	769	68.7		0.4					
	RW-2	08/15/06	7.04	0.98	-50	824	70.0	31	0.6	370	2.9	22.9	
			7.05	0.89	-55	810	71.8		0.6				
7.14			0.91	-52	800	70.3		0.6					
10/26/06		NM	NM	NM	NM	NM	27	NM	350	2.6	0.195	New Pump Well	
02/02/07		7.01	1.95	-114	799	68.9	28	0.6	328	3.8	0.327		
		7.05	1.96	-112	801	68.1		0.6					
		7.06	1.92	-117	800	67.9		0.6					

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



T.3 S.

R.2 W.

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



QUADRANGLE LOCATION

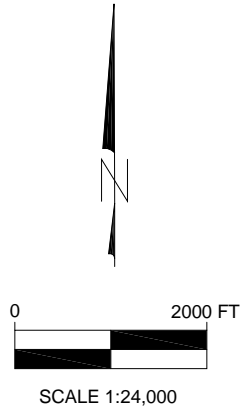
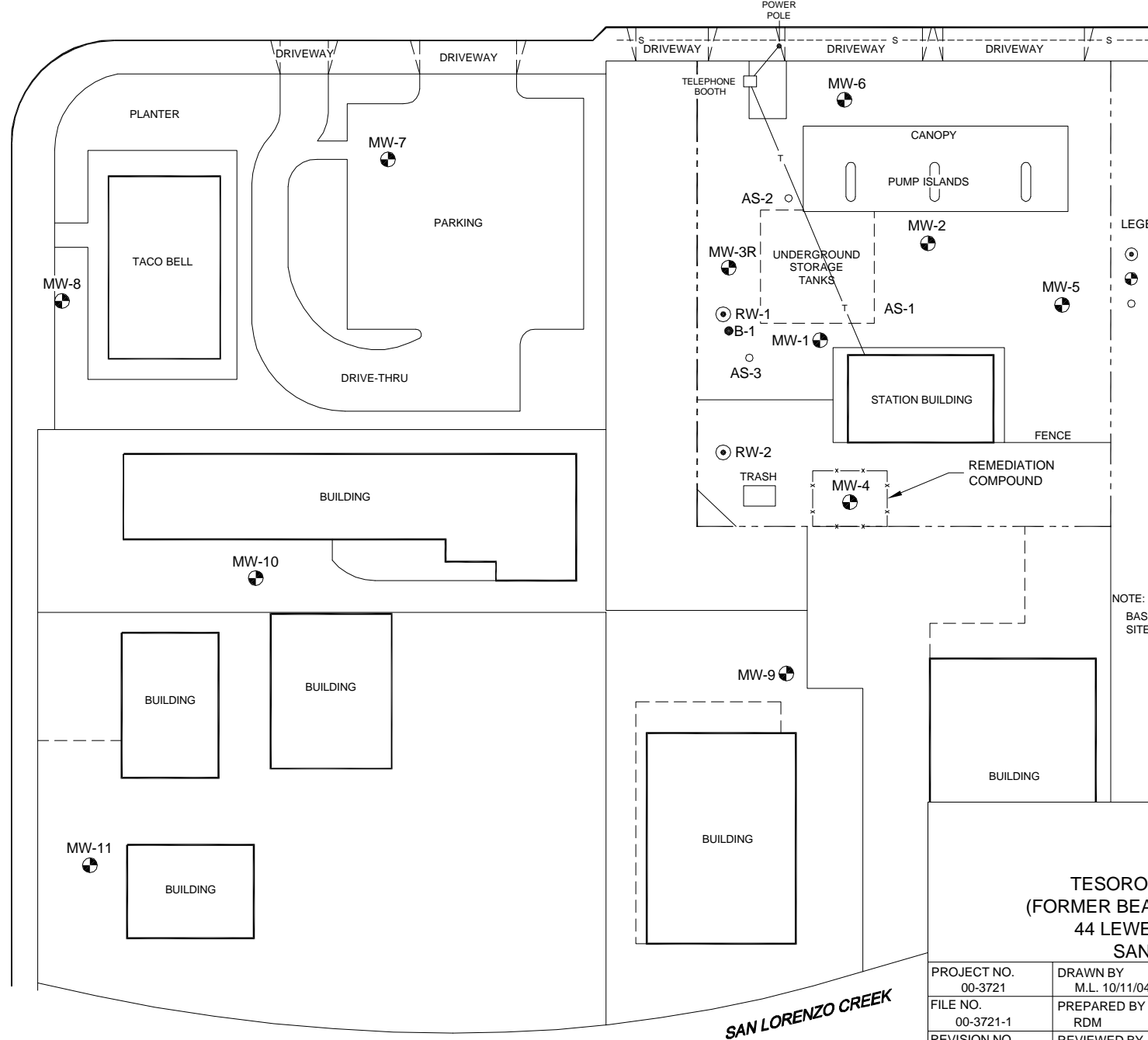
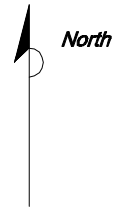


FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

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



LEWELLING BOULEVARD



LEGEND:

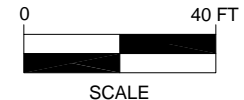
- ⊙ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION

UTILITIES

- T — TELEPHONE LINE (OVERHEAD)
- - - S - - - SEWER LINE (BURIED)

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED



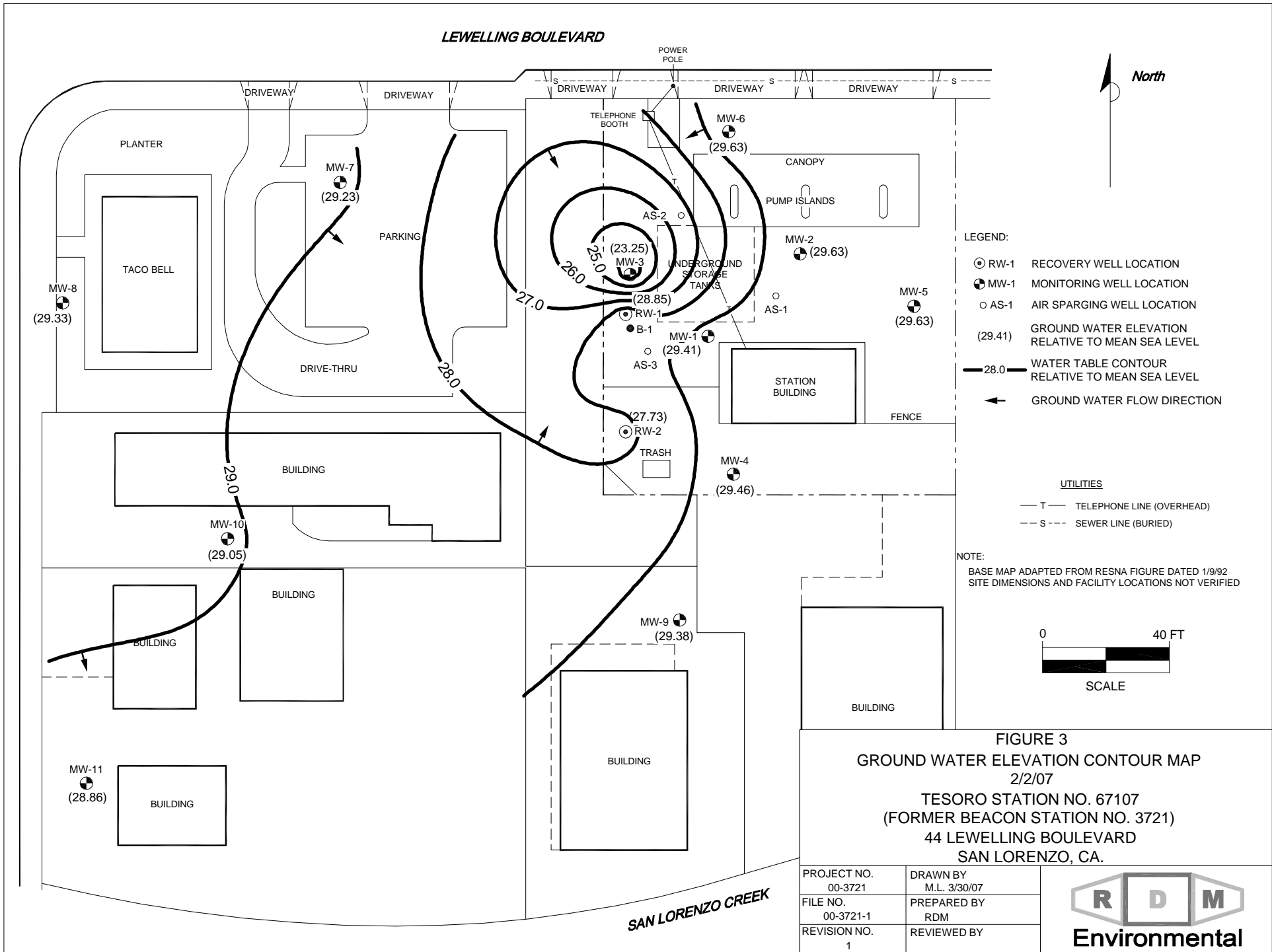
**FIGURE 2
SITE MAP**

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

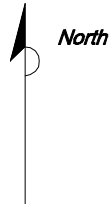
PROJECT NO. 00-3721	DRAWN BY M.L. 10/11/04
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY



SAN LORENZO CREEK



LEWELLING BOULEVARD



- LEGEND:
- RW-1 RECOVERY WELL LOCATION
 - ⊕ MW-1 MONITORING WELL LOCATION
 - AS-1 AIR SPARGING WELL LOCATION
 - (29.41) GROUND WATER ELEVATION RELATIVE TO MEAN SEA LEVEL
 - 28.0 — WATER TABLE CONTOUR RELATIVE TO MEAN SEA LEVEL
 - ← GROUND WATER FLOW DIRECTION

- UTILITIES
- T — TELEPHONE LINE (OVERHEAD)
 - - - S - - - SEWER LINE (BURIED)

NOTE:
BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

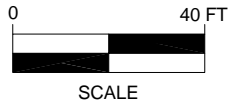


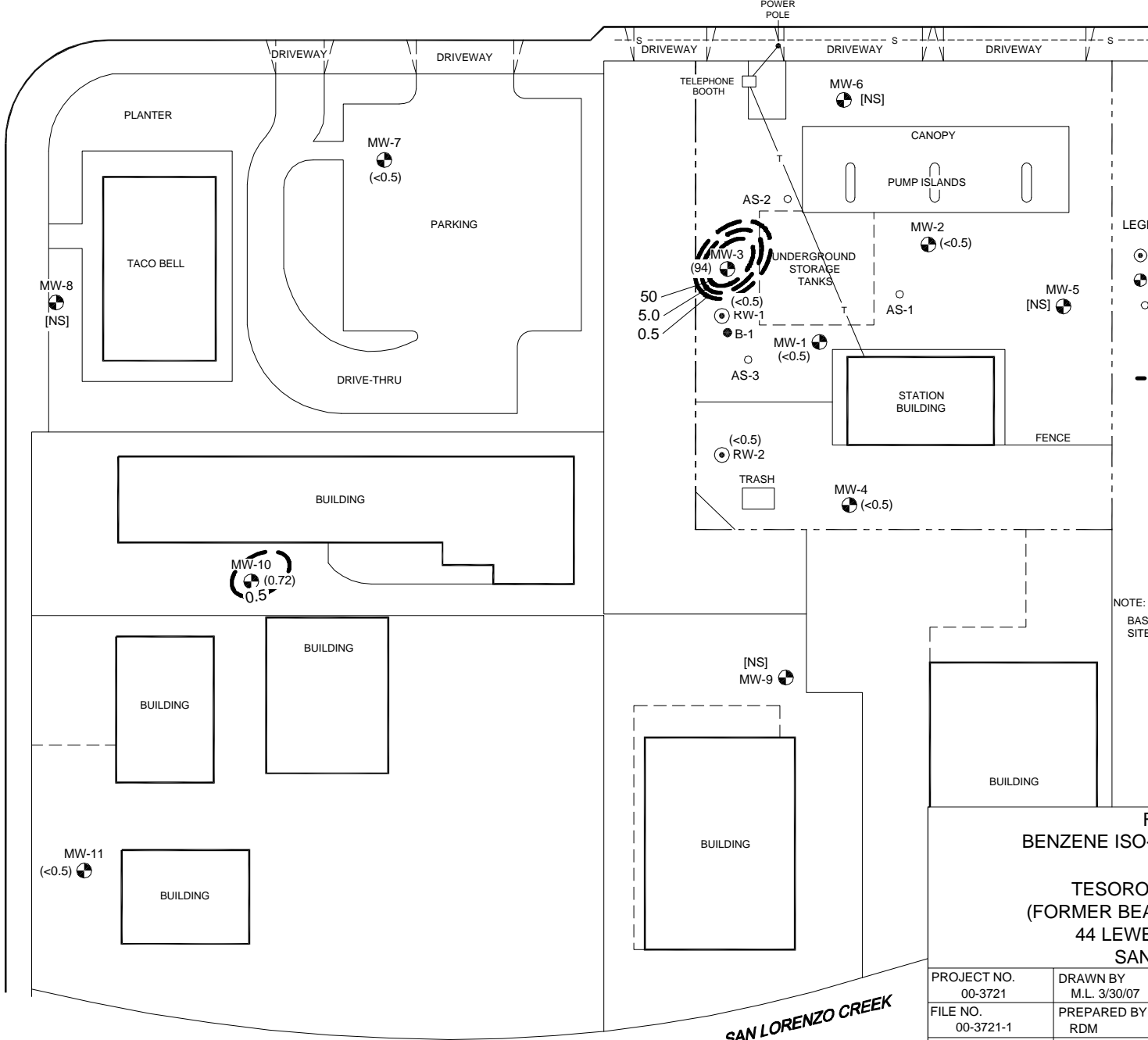
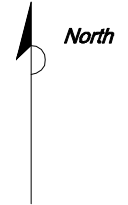
FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
2/2/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 3/30/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK

LEWELLING BOULEVARD



- LEGEND:**
- ⊙ RW-1 RECOVERY WELL LOCATION
 - ⊕ MW-1 MONITORING WELL LOCATION
 - AS-1 AIR SPARGING WELL LOCATION
 - (94) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 - - 0.5 - - LINE OF EQUAL CONCENTRATION OF BENZENE IN GROUNDWATER
 - NS NOT SAMPLED

- UTILITIES**
- T — TELEPHONE LINE (OVERHEAD)
 - - S - - SEWER LINE (BURIED)

NOTE:
 BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

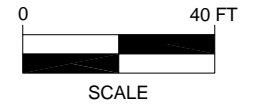


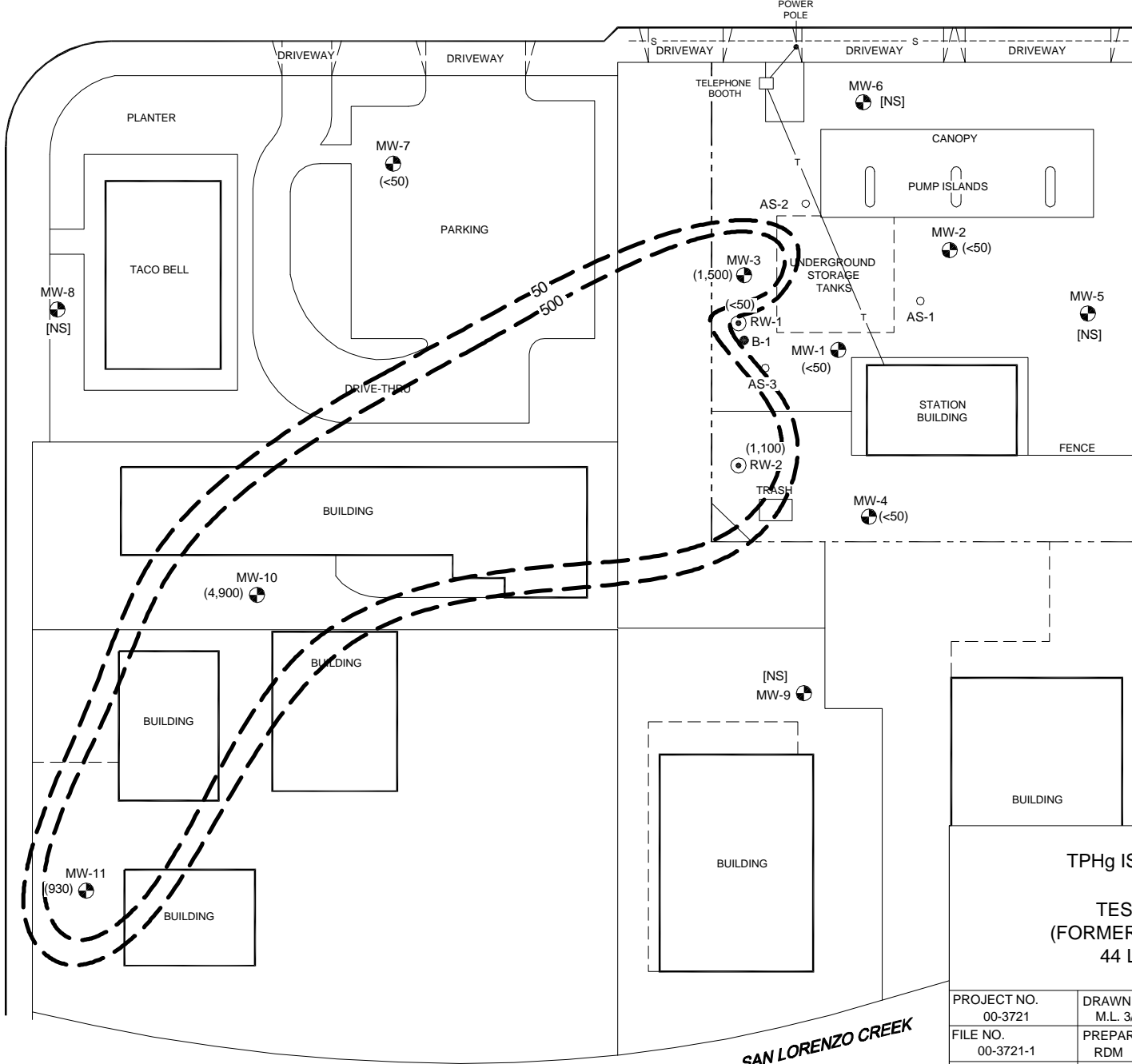
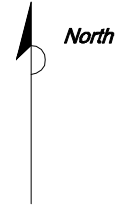
FIGURE 4
BENZENE ISO-CONCENTRATION MAP
 2/2/07
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 3/30/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK

LEWELLING BOULEVARD



- LEGEND:**
- RW-1 RECOVERY WELL LOCATION
 - ⊕ MW-1 MONITORING WELL LOCATION
 - AS-1 AIR SPARGING WELL LOCATION
 - (4,900) TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 - - 500 - - LINE OF EQUAL CONCENTRATION OF TPHg IN GROUNDWATER
 - NS NOT SAMPLED

- UTILITIES**
- T — TELEPHONE LINE (OVERHEAD)
 - - S - - SEWER LINE (BURIED)

NOTE:
 BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

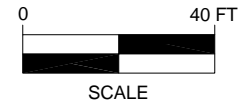


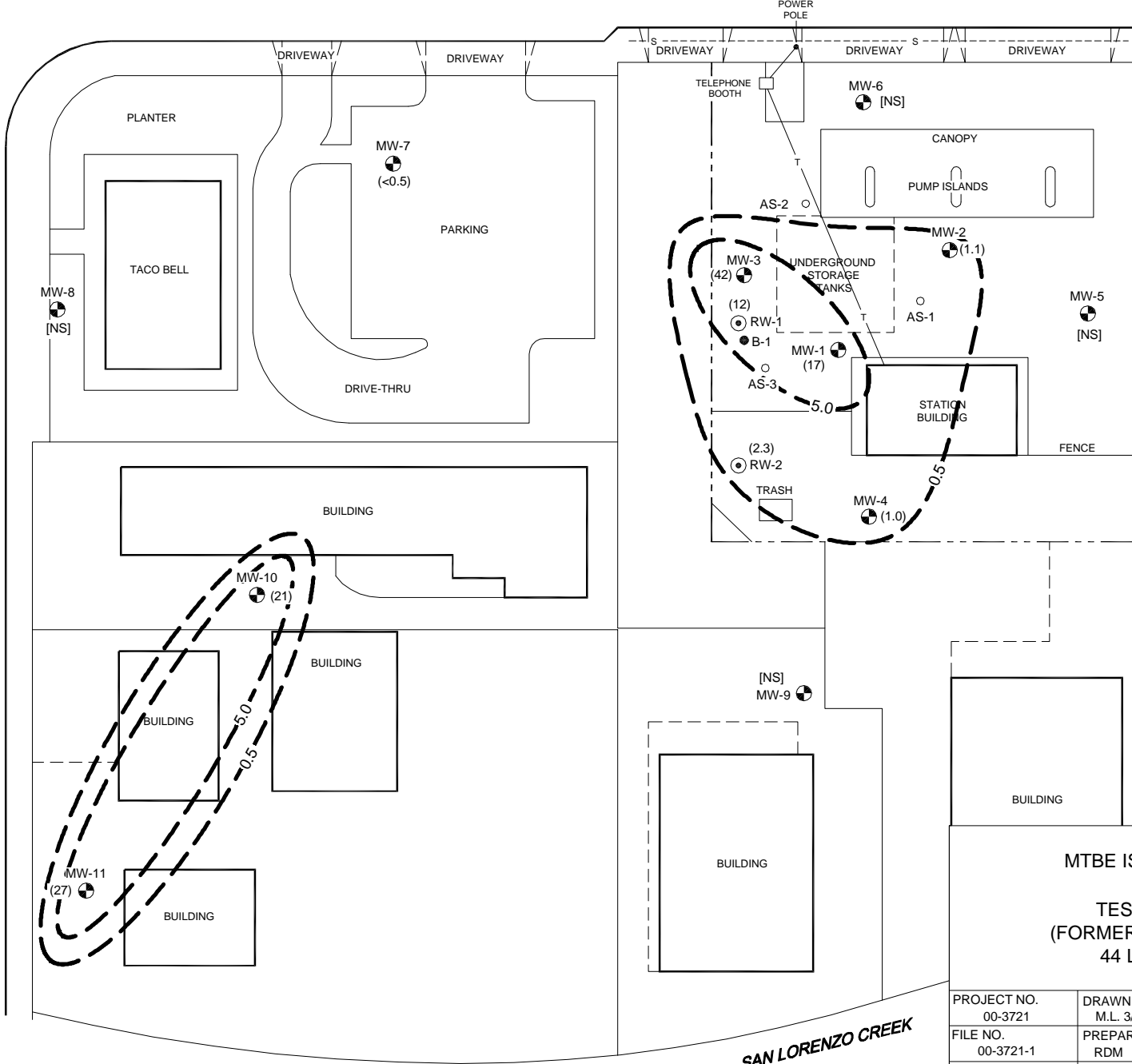
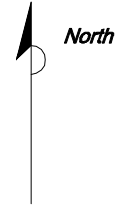
FIGURE 5
TPHg ISO-CONCENTRATION MAP
 2/2/07
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 3/30/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK

LEWELLING BOULEVARD



- LEGEND:**
- ⊙ RW-1 RECOVERY WELL LOCATION
 - ⊕ MW-1 MONITORING WELL LOCATION
 - AS-1 AIR SPARGING WELL LOCATION
 - (42) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 - - - 5.0 - - - LINE OF EQUAL CONCENTRATION OF MTBE IN GROUNDWATER
 - NS NOT SAMPLED

- UTILITIES**
- T — TELEPHONE LINE (OVERHEAD)
 - - - S - - - SEWER LINE (BURIED)

NOTE:
 BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

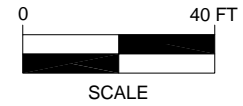


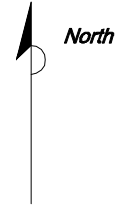
FIGURE 6
MTBE ISO-CONCENTRATION MAP
 2/2/07
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 3/30/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK

LEWELLING BOULEVARD



LEGEND:

- ⊙ RW-1 RECOVERY WELL LOCATION
- ⊕ MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- (110) TOTAL XYLENES CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 50 — LINE OF EQUAL CONCENTRATION OF TOTAL XYLENES IN GROUNDWATER
- NS NOT SAMPLED

UTILITIES

- T — TELEPHONE LINE (OVERHEAD)
- - - S - - - SEWER LINE (BURIED)

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/92
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

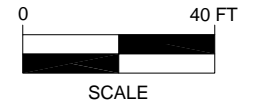
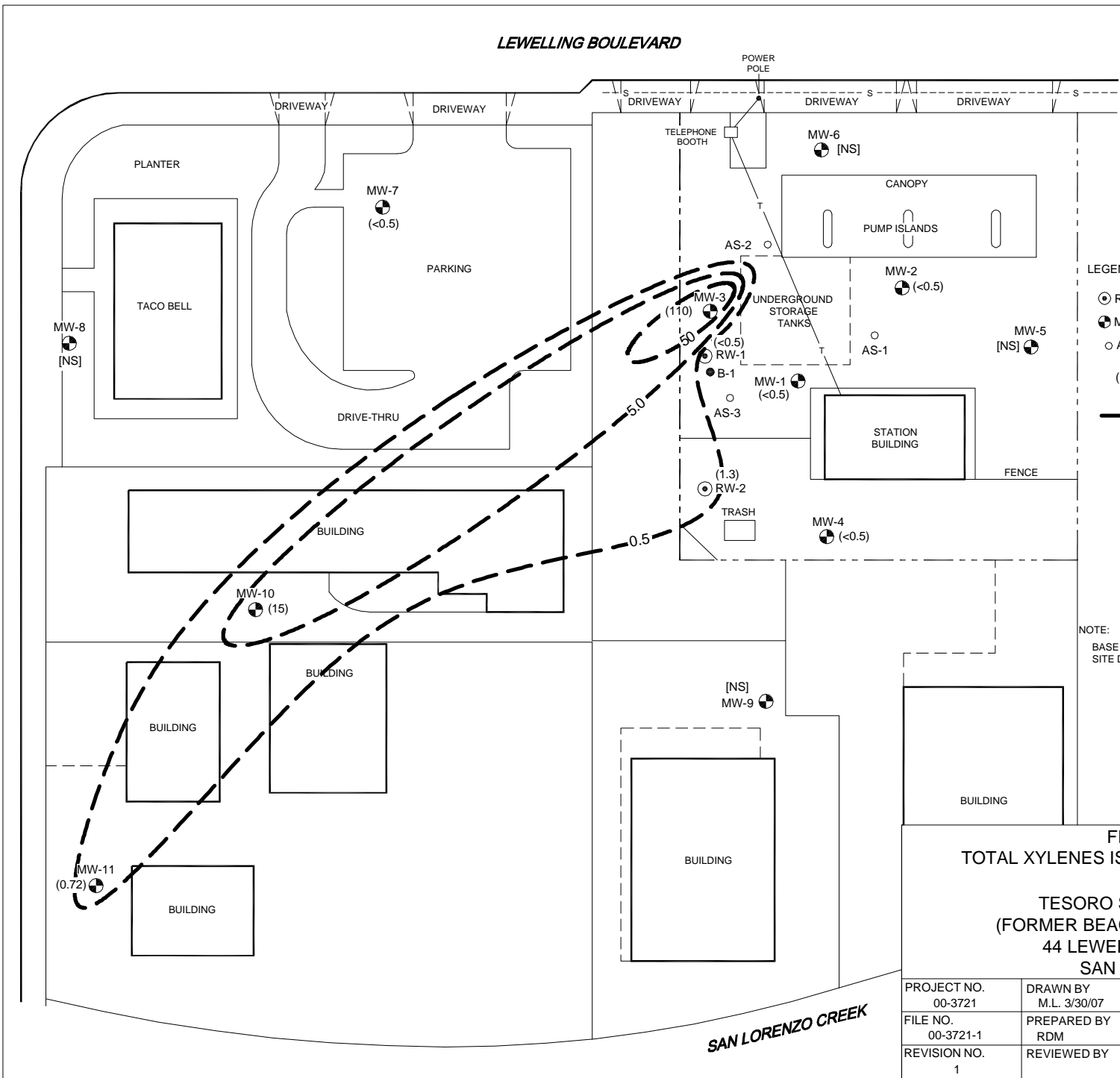


FIGURE 7
TOTAL XYLENES ISO-CONCENTRATION MAP
2/2/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 3/30/07
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK



Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Sampling

Client: <u>Tesoro</u>		Sample Data: <u>2/2/2006</u>					
Site: <u>Tesor Station 67107</u>		Project Number: <u>02-67107</u>					
<u>41</u> Lewelling Blvd, San Lorenzo, CA		Well Designation: <u>MW-1</u>					
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time:	<u>0803</u> hours				
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing					
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____					
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____					
Height of Riser	<u>12"</u>	Type of well box <u>Pomulo</u>					
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"						
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	_____	Submersible Pump	_____				
2" PVC Bailer	_____	Dedicated Bailer	_____				
4" PVC Bailer	_____	Centrifugal Pump	_____				
		<u>Peristaltic Pump</u>	<u>X</u>				
Sampling -							
Disposable Bailer	_____	Teflon Bailer	_____				
		Disposable Tubing	<u>X</u>				
Well Purging							
Well Diameter:	2" <input checked="" type="checkbox"/> 4" _____ 6" _____ 8" _____						
Purge Vol. Multiplier	0.16	0.65	1.47				
Initial Measurement	_____	Recharge Measurement	_____				
Time:	<u>0803</u>	Time:	_____				
Depth of Well	<u>33.6'</u>	Depth to Water	_____				
Depth to Water	<u>16.57'</u>		_____				
		Calculated Purge	<u>8.19</u>				
		Actual Purge	<u>1.5 gal</u>				
Sample							
Start Purge	<u>1118</u>	Sample Time	<u>1136</u>				
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1123</u>	<u>66.9</u>	<u>6.96</u>	<u>642</u>	<u>2.58</u>	<u>-102</u>	<u>1.0</u>	<u>0.5 gal</u>
<u>1126</u>	<u>66.7</u>	<u>7.00</u>	<u>660</u>	<u>2.63</u>	<u>-141</u>	<u>1.0</u>	<u>1.0 gal</u>
<u>1133</u>	<u>66.5</u>	<u>6.92</u>	<u>645</u>	<u>2.38</u>	<u>-140</u>	<u>1.0</u>	<u>1.5 gal</u>
Sample Appearance <u>CLOUDY</u>				Lock <u>ok</u>			
Equipment Replacement							
Lock	<u>ok</u>	Well Cap	<u>ok</u>	Bolts	<u>ok</u>	Box	<u>ok</u>
Remarks:							

Client: <u>Tesoro</u>	Sample Data: <u>2/2/2006</u>
Site: <u>Tesor Station 67107</u>	Project Number: <u>02-67107</u>
<u>44 Lewelling Blvd, San Lorenzo, CA</u>	Well Designation: <u>MW-2</u>

Signature: _____

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0801</u> hours
Standing water	<input checked="" type="radio"/> Yes <input type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>5"</u>	
Well Box	8" 12" <input checked="" type="radio"/> 24" Type of well box	<u>Not marked</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

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

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement		Recharge Measurement		Calculated Purge <u>9.0</u>
Time: <u>0801</u>		Time: _____		Actual Purge <u>2.5</u>
Depth of Well	<u>34.35</u>	Depth to Water	_____	
Depth to Water	<u>15.60</u>			

Sample

Start Purge 1024 Sample Time 1054

Time	Temperature	pH	E.C.	d.D.O.	ORP	Fe+2	Volume
1029	67.6	6.90	588	2.68	656	0.0	0.5
1034	64.3	6.31	599	2.31	68	0.0	1.0
1039	64.2	6.63	675	1.90	54	0.0	1.5
1044	66.4	6.71	648	1.96	47	0.0	2.0
1049	66.86	6.70	642	2.45	64	0.0	2.5

Sample Appearance Clear Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts ok Box ok

Remarks: _____

Client: Tesoro Sample Data: 2/2/2006
 Site: Tesor Station 67107 Project Number: 02-67107
44 Jewelling Blvd, San Lorenzo, CA Well Designation: MW-3R
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0521 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 3'
 Well Box 8" 12" 24" Type of well box Not Marked
21"

Purging/Sampling Equipment

Purging - N/A

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

Sampling - GRAB

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 35.45
 Time: 0521 Time: _____ Actual Purge 2.86
 Depth of Well 30.00 Depth to Water _____
 Depth to Water 21.96

Sample

Start Purge N/A Sample Time 1236

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
1224	68.2	6.82	890	2.33	-154	1.8	
1230	68.5	6.91	890	2.32	-160	1.8	
1232	69.1	6.85	901	2.32	-161	1.8	

Sample Appearance Clear Lock N/A

Equipment Replacement

Lock N/A Well Cap ok Bolts ok Box ok

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>2/2/2006</u>
Site: <u>Tesor Station 67107</u>	Project Number: <u>02-67107</u>
<u>44 Lewelling Blvd, San Lorenzo, CA</u>	Well Designation: <u>MW-Y</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	Yes <input checked="" type="radio"/> No <input type="radio"/>	Time: <u>0754</u> hours
Standing water	<input checked="" type="radio"/> No <input type="radio"/>	above or <input checked="" type="radio"/> below casing
Top of well level	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: _____
Well cap & locked	<input checked="" type="radio"/> No <input type="radio"/>	Remark: _____
Height of Riser	<u>1"</u>	
Well Box	8" <input checked="" type="radio"/> 24" <input type="radio"/>	Type of well box <u>Diversified Well Product</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	_____	Teflon Bailer	_____	Disposable Tubing	<input checked="" type="checkbox"/>
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Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement		Calculated Purge <u>3.33</u>	
Time: <u>0754</u>	Time: _____		Actual Purge <u>1.5 gal</u>	
Depth of Well <u>24.45'</u>	Depth to Water _____			
Depth to Water <u>17.52'</u>				

Sample

Start Purge 0848 Sample Time 0906

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0853</u>	<u>63.5</u>	<u>6.58</u>	<u>771</u>	<u>4.01</u>	<u>-110</u>	<u>0</u>	<u>0.5 gal</u>
<u>0858</u>	<u>64.0</u>	<u>6.57</u>	<u>791</u>	<u>4.22</u>	<u>-112</u>	<u>0</u>	<u>1 gal</u>
<u>0907</u>	<u>65.0</u>	<u>6.58</u>	<u>795</u>	<u>3.71</u>	<u>-116</u>	<u>0</u>	<u>1.5 gal</u>

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 01 Well Cap 01 Bolts -2 Box 1 of broken

Remarks: _____

Client: <u>Tesoro</u>	Sample Data: <u>2/2/2006</u>						
Site: <u>Tesor Station 67107</u>	Project Number: <u>02-67107</u>						
<u>44 Lewelling Blvd, San Lorenzo, CA</u>	Well Designation: <u>MW-7</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0759</u> hours						
Standing water <input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing						
Top of well level <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Well cap & locked <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Height of Riser <u>1"</u>							
Well Box <u>8" (12") 24"</u> Type of well box <u>Diversified well Pacific</u>							
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailer _____	Centrifugal Pump _____						
	<u>Peristaltic Pump X</u>						
Sampling -							
Disposable Bailer _____	Teflon Bailer _____ Disposable Tubing <u>X</u>						
Well Purging							
Well Diameter: 2" <u>X</u> 4" _____ 6" _____ 8" _____							
Purge Vol. Multiplier 0.16 0.65 1.47 2.61							
Initial Measurement _____	Recharge Measurement _____						
Time: <u>0759</u>	Time: _____						
Depth of Well <u>24.17</u>	Depth to Water _____						
Depth to Water <u>14.66</u>							
	Calculated Purge <u>4.58</u>						
	Actual Purge <u>1.2 gal</u>						
Sample							
Start Purge <u>0759</u>	Sample Time <u>1011</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>0959</u>	<u>66.0</u>	<u>6.64</u>	<u>939</u>	<u>2.21</u>	<u>20</u>	<u>0.2</u>	<u>0.5 gal</u>
<u>1004</u>	<u>66.4</u>	<u>6.70</u>	<u>960</u>	<u>2.29</u>	<u>17</u>	<u>0.2</u>	<u>1.0 gal</u>
<u>1009</u>	<u>65.6</u>	<u>6.95</u>	<u>920</u>	<u>2.13</u>	<u>21</u>	<u>0.2</u>	<u>1.5 gal</u>
Sample Appearance <u>CLEAR</u>	Lock <u>OK</u>						
Equipment Replacement							
Lock <u>01</u>	Well Cap <u>01</u>	Bolts <u>01</u>	Box <u>04</u>				
Remarks: <u>Added 1 bolt</u>							

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

Well Box Condition/Traffic

Traffic Control Yes No Time: 0619 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 0.5"
 Well Box (8") 12" 24" Type of well box Brinacil Kilman

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer _____ Teflon Bailer _____ Disposable Tubing X

Well Purging

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

Initial Measurement _____ Recharge Measurement _____ Calculated Purge 6.60
 Time: 0619 Time: _____ Actual Purge 1.5
 Depth of Well 29.40 Depth to Water _____
 Depth to Water 15.64

Sample

Start Purge 1159 Sample Time 1218

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1204</u>	<u>66.6</u>	<u>7.02</u>	<u>710</u>	<u>2.42</u>	<u>-146</u>	<u>1.4</u>	<u>0.5 gal</u>
<u>1209</u>	<u>66.7</u>	<u>6.93</u>	<u>721</u>	<u>2.79</u>	<u>-143</u>	<u>1.4</u>	<u>1.0 gal</u>
<u>1215</u>	<u>69.7</u>	<u>6.57</u>	<u>740</u>	<u>2.68</u>	<u>-141</u>	<u>1.4</u>	<u>1.5 gal</u>

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts 3 stripped Box ok

Remarks: _____

Client: <u>Tesoro</u>	Sample Data: <u>2/2/2006</u>
Site: <u>Tesor Station 67107</u>	Project Number: <u>02-67107</u>
<u>44 Lewelling Blvd, San Lorenzo, CA</u>	Well Designation: <u>MW-11</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0757</u> hours
Standing water	Yes <input type="radio"/> <input checked="" type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>2"</u>	
Well Box	<input checked="" type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 24"	Type of well box <u>Brown and Kilman</u>

Purging/Sampling Equipment

Purging -	
2" Disposable Bailer _____	Submersible Pump _____
2" PVC Bailer _____	Dedicated Bailer _____
4" PVC Bailer _____	Centrifugal Pump _____
	<u>Peristaltic Pump</u> <input checked="" type="checkbox"/>

Sampling -

Disposable Bailer _____	Teflon Bailer _____	Disposable Tubing <input checked="" type="checkbox"/>
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Well Purging

Well Diameter: 2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____	
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement		Calculated Purge <u>5.20</u>	
Time: <u>0757</u>	Time: _____		Actual Purge <u>1.5 gal</u>	
Depth of Well <u>29.34</u>	Depth to Water _____			
Depth to Water <u>18.50</u>				

Sample

Start Purge <u>0926</u>	Sample Time <u>0943</u>
-------------------------	-------------------------

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
0931	63.9	6.64	753	2.52	-052	0.4	0.5 gal
0936	64.6	6.65	757	2.44	-120	0.4	1.0 gal
0941	64.6	6.68	797	2.54	-104	0.4	1.5 gal

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

Lock <u>ok</u>	Well Cap <u>ok</u>	Bolts <u>- 2</u>	Box <u>1 stripped.</u>
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Remarks: _____

Client: <u>Tesoro</u>	Sample Data: <u>2/2/2006</u>						
Site: <u>Tesor Station 67107</u>	Project Number: <u>02-67107</u>						
<u>44</u> <u>Lewelling Blvd, San Lorenzo, CA</u>	Well Designation: <u>RW-1</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control <input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0802</u> hours						
Standing water <input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing						
Top of well level <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Well cap & locked <input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>Recovery well</u>						
Height of Riser _____							
Well Box 8" 12" <u>(24")</u> Type of well box <u>Not marked.</u>							
Purging/Sampling Equipment							
Purging - <u>N/A</u>							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailer _____	Centrifugal Pump _____						
Sampling - <u>GRAB</u>							
Disposable Bailer _____	Teflon Bailer _____						
	Disposable Tubing _____						
Well Purging							
Well Diameter: 2" _____ 4" _____ 6" <u>X</u> 8" _____							
Purge Vol. Multiplier _____ 0.16 _____ 0.65 _____ 1.47 _____ 2.61 _____							
Initial Measurement _____	Recharge Measurement _____						
Time: _____	Calculated Purge <u>77.09</u>						
Depth of Well <u>34.10</u>	Actual Purge <u>N/A</u>						
Depth to Water <u>16.62</u>							
Sample							
Start Purge _____	Sample Time <u>1103</u>						
Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1056</u>	<u>66.2</u>	<u>6.99</u>	<u>781</u>	<u>2.35</u>	<u>60</u>	<u>0.4</u>	
<u>1059</u>	<u>66.4</u>	<u>7.01</u>	<u>788</u>	<u>2.26</u>	<u>56</u>	<u>0.4</u>	
<u>1100</u>	<u>68.7</u>	<u>7.02</u>	<u>769</u>	<u>2.28</u>	<u>62</u>	<u>0.4</u>	
Sample Appearance <u>Clear</u>	Lock <u>N/A</u>						
Equipment Replacement							
Lock <u>N/A</u>	Well Cap <u>ok</u>	Bolts <u>4 stripped</u>	Box <u>ok</u>				
Remarks:							

Client: Tesoro Sample Data: 2/2/2006
 Site: Tesor Station 67107 Project Number: 02-67107
44 Jewelling Blvd, San Lorenzo, CA Well Designation: RW-2
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0804 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: Recovery well
 Well cap & locked Yes No Remark: Recovery well
 Height of Riser 1"
 Well Box 8" 12" 24" Type of well box Not marked.
21"

Purging/Sampling Equipment

Purging - N/A

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

Sampling - Grab

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 56.14
 Time: 0804 Time: _____ Actual Purge N/A
 Depth of Well 30.00 Depth to Water _____
 Depth to Water 17.27

Sample

Start Purge _____ Sample Time 1146

Time	Temperature	pH	E.C.	D.O.	ORP	Fe+2	Volume
<u>1140</u>	<u>68.9</u>	<u>7.01</u>	<u>799</u>	<u>1.95</u>	<u>-114</u>	<u>0.6</u>	
<u>1142</u>	<u>68.1</u>	<u>7.05</u>	<u>801</u>	<u>1.96</u>	<u>-112</u>	<u>0.6</u>	
<u>1144</u>	<u>67.9</u>	<u>7.06</u>	<u>800</u>	<u>1.92</u>	<u>-117</u>	<u>0.6</u>	

Sample Appearance Clear. Lock N/A.

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



Report Number : 54704

Date : 2/8/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 9 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,

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

Joel Kiff



Report Number : 54704

Date : 2/8/2007

Subject : 9 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: _____

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over a horizontal line. The signature is stylized and cursive.

Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

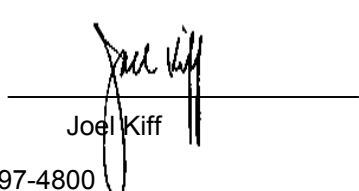
Sample : MW-1

Matrix : Water

Lab Number : 54704-01

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	17	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	6.7	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	2/7/2007

Approved By:  Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

Sample : MW-2

Matrix : Water

Lab Number : 54704-02

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	1.1	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	2/7/2007

Approved By:

Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

Sample : MW-3R

Matrix : Water

Lab Number : 54704-03

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	94	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	4.3	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	7.0	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	110	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	42	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	26	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	1500	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	113		% Recovery	EPA 8260B	2/7/2007

Approved By:

Joel Kiff

Project Name : **67107**

Project Number : **67107**

Sample : **MW-4**

Matrix : Water

Lab Number : 54704-04

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	1.0	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	2/7/2007

Approved By:

Joel Kiff

Project Name : **67107**

Project Number : **67107**

Sample : **MW-7**

Matrix : Water

Lab Number : 54704-05

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	93.4		% Recovery	EPA 8260B	2/7/2007

Approved By:

Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

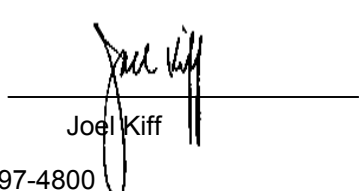
Sample : MW-10

Matrix : Water

Lab Number : 54704-06

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.72	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	2.3	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	7.4	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	15	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	21	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 50	50	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	4900	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	2/7/2007

Approved By:  Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

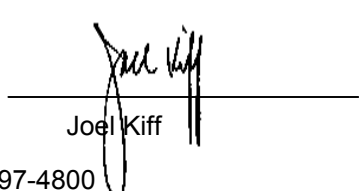
Sample : MW-11

Matrix : Water

Lab Number : 54704-07

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	0.72	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	27	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	930	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	113		% Recovery	EPA 8260B	2/7/2007

Approved By:  Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

Sample : RW-1

Matrix : Water

Lab Number : 54704-08

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	12	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	2/7/2007

Approved By:

Joel Kiff



Report Number : 54704

Date : 2/8/2007

Project Name : 67107

Project Number : 67107

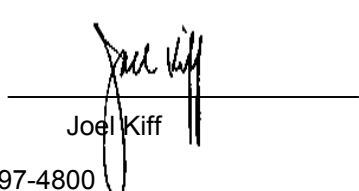
Sample : RW-2

Matrix : Water

Lab Number : 54704-09

Sample Date :2/2/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/8/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/8/2007
Ethylbenzene	0.75	0.50	ug/L	EPA 8260B	2/8/2007
Total Xylenes	1.3	0.50	ug/L	EPA 8260B	2/8/2007
Methyl-t-butyl ether (MTBE)	2.3	0.50	ug/L	EPA 8260B	2/8/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/8/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/8/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/8/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/8/2007
TPH as Gasoline	1100	50	ug/L	EPA 8260B	2/8/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/8/2007
4-Bromofluorobenzene (Surr)	94.9		% Recovery	EPA 8260B	2/8/2007

Approved By:  Joel Kiff

Report Number : 54704

Date : 2/8/2007

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	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	102		%	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	109		%	EPA 8260B	2/7/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/7/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
Methanol	< 50	50	ug/L	EPA 8260B	2/7/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	2/7/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/7/2007
Toluene - d8 (Surr)	100		%	EPA 8260B	2/7/2007
4-Bromofluorobenzene (Surr)	96.9		%	EPA 8260B	2/7/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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Approved By:  _____
 Joel Kiff

KIFF ANALYTICAL, LLC

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

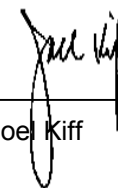
Project Name : **67107**Project Number : **67107**

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	54675-01	<0.50	40.0	40.0	38.2	36.7	ug/L	EPA 8260B	2/7/07	95.6	91.8	4.04	70-130	25
Toluene	54675-01	<0.50	40.0	40.0	38.5	37.9	ug/L	EPA 8260B	2/7/07	96.3	94.6	1.70	70-130	25
Tert-Butanol	54675-01	<5.0	200	200	193	196	ug/L	EPA 8260B	2/7/07	96.6	97.8	1.23	70-130	25
Methyl-t-Butyl Ether	54675-01	<0.50	40.0	40.0	41.2	40.5	ug/L	EPA 8260B	2/7/07	103	101	1.53	70-130	25
Benzene	54709-08	<0.50	40.0	40.0	40.0	38.6	ug/L	EPA 8260B	2/7/07	100	96.6	3.46	70-130	25
Toluene	54709-08	<0.50	40.0	40.0	40.4	39.4	ug/L	EPA 8260B	2/7/07	101	98.5	2.62	70-130	25
Tert-Butanol	54709-08	<5.0	200	200	189	187	ug/L	EPA 8260B	2/7/07	94.4	93.5	0.940	70-130	25
Methyl-t-Butyl Ether	54709-08	<0.50	40.0	40.0	35.9	35.0	ug/L	EPA 8260B	2/7/07	89.9	87.5	2.67	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



QC Report : Laboratory Control Sample (LCS)

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	2/7/07	86.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/7/07	90.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/7/07	91.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/7/07	91.9	70-130
Benzene	40.0	ug/L	EPA 8260B	2/7/07	99.7	70-130
Toluene	40.0	ug/L	EPA 8260B	2/7/07	99.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/7/07	93.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/7/07	90.0	70-130

KIFF ANALYTICAL, LLC

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

Approved By:



 Joel Kiff



Report Number : 54704

Date : 2/8/2007

Analysis Summary

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-7		MW-10		MW-11		RW-1	
Sample Date			2/2/2007		2/2/2007		2/2/2007		2/2/2007		2/2/2007		2/2/2007		2/2/2007		2/2/2007	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	94	0.50	ND	0.50	ND	0.50	0.72	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	4.3	0.50	ND	0.50	ND	0.50	2.3	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	7.0	0.50	ND	0.50	ND	0.50	7.4	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	110	0.50	ND	0.50	ND	0.50	15	0.50	0.72	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	17	0.50	1.1	0.50	42	0.50	1.0	0.50	ND	0.50	21	0.50	27	0.50	12
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	6.7	5.0	ND	5.0	26	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	ND	50	ND	50	1500	50	ND	50	ND	50	4900	50	930	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		100		100		99.9		101		100		97.1		99.2		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		112		95.0		113		110		93.4		112		113		109

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236



Analysis Summary

Report Number : 54704

Date : 2/8/2007

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

Project Name :67107
Project Number : 67107

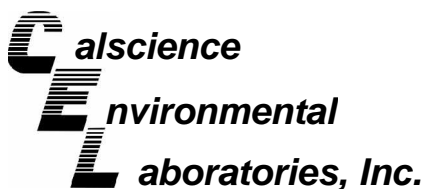
Sample Name		RW-2		
Sample Date		2/2/2007		
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	0.75
Total Xylenes	EPA 8260B	ug/L	0.50	1.3
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	2.3
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
Methanol	EPA 8260B	ug/L	50	ND
Ethanol	EPA 8260B	ug/L	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	1100
Toluene - d8 (Surr)	EPA 8260B	%		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		94.9

MRL = Method Reporting Limit
ND = Not Detected

Approved By,



Joel Kiff



February 13, 2007

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

Subject: **CalScience Work Order No.: 07-02-0341**
Client Reference: 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/7/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Nowak', is written over a light blue horizontal line.

CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



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

Date Received: 02/07/07
Work Order No: 07-02-0341
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-02-0341-1	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A

Parameter	Result	RL	DF	Qual	Units
Iron	4.33	0.100	1		mg/L

MW-2	07-02-0341-2	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

MW-3R	07-02-0341-3	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	1.33	0.100	1		mg/L

MW-4	07-02-0341-4	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

MW-7	07-02-0341-5	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

MW-10	07-02-0341-6	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	0.907	0.100	1		mg/L

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

Analytical Report



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

Date Received: 02/07/07
Work Order No: 07-02-0341
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-11	07-02-0341-7	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A

Parameter	Result	RL	DF	Qual	Units
Iron	0.758	0.100	1		mg/L

RW-1	07-02-0341-8	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
------	--------------	----------	---------	----------	----------	------------

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

RW-2	07-02-0341-9	02/02/07	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	0.327	0.100	1		mg/L

Method Blank	097-01-003-6,877	N/A	Aqueous	02/08/07	02/09/07	070208L04A
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Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

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

Analytical Report



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

Date Received: 02/07/07
Work Order No: 07-02-0341

Project: 67107

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	07-02-0341-1	02/02/07	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	6.6	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	284	5.0	1		mg/L	N/A	02/08/07	SM 2320B

MW-2	07-02-0341-2	02/02/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.6	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	242	5.0	1		mg/L	N/A	02/08/07	SM 2320B


MW-3R	07-02-0341-3	02/02/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	5.3	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	420	5.0	1		mg/L	N/A	02/08/07	SM 2320B

MW-4	07-02-0341-4	02/02/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.8	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	260	5.0	1		mg/L	N/A	02/08/07	SM 2320B

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



Analytical Report



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

Date Received: 02/07/07
Work Order No: 07-02-0341

Project: 67107

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-7	07-02-0341-5	02/02/07	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.1	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	396	5.0	1		mg/L	N/A	02/08/07	SM 2320B

MW-10	07-02-0341-6	02/02/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	4.6	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	362	5.0	1		mg/L	N/A	02/08/07	SM 2320B

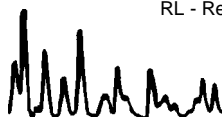
MW-11	07-02-0341-7	02/02/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	3.4	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	416	5.0	1		mg/L	N/A	02/08/07	SM 2320B

RW-1	07-02-0341-8	02/02/07	Aqueous
------	--------------	----------	---------

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Carbon, Total Organic	2.8	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	340	5.0	1		mg/L	N/A	02/08/07	SM 2320B

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



Analytical Report



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

Date Received: 02/07/07
Work Order No: 07-02-0341

Project: 67107

Page 3 of 3

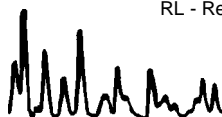
Client Sample Number	Lab Sample Number	Date Collected	Matrix
RW-2	07-02-0341-9	02/02/07	Aqueous

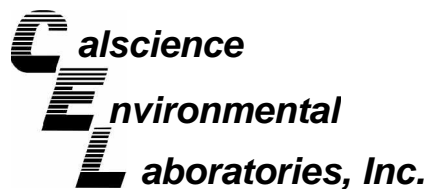
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Carbon, Total Organic	3.8	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	328	5.0	1		mg/L	N/A	02/08/07	SM 2320B

Method Blank					N/A			Aqueous
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Carbon, Total Organic	ND	0.50	1		mg/L	N/A	02/08/06	EPA 415.1
Alkalinity, Total (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/08/07	SM 2320B

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





Quality Control - Spike/Spike Duplicate



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

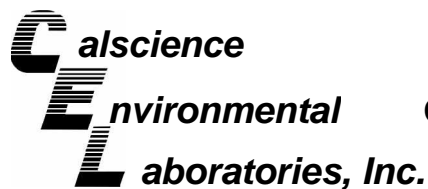
Date Received: 02/07/07
Work Order No: 07-02-0341
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-02-0368-1	Aqueous	ICP 3300	02/08/07	02/09/07	070208S04

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Iron	94	95	65-149	1	0-21	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

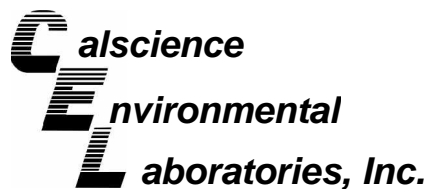
Date Received: N/A
Work Order No: 07-02-0341

Project: 67107

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	MW-2	02/08/06	N/A	116	112	70-130	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



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

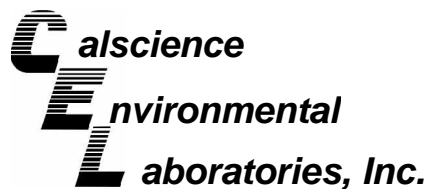
Date Received: N/A
Work Order No: 07-02-0341

Project: 67107

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Alkalinity, Total (as CaCO ₃)	SM 2320B	07-02-0340-1	02/08/07	496	496	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 07-02-0341
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-6,877	Aqueous	ICP 3300	02/08/07	02/09/07	070208L04A

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Iron	101	103	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit



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

Date Received: N/A
 Work Order No: 07-02-0341

Project: 67107

Matrix : Aqueous

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Conc. Added</u>	<u>Conc. Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
Carbon, Total Organic	EPA 415.1	099-05-097-2,522	02/08/06	N/A	5.0	5.3	106	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-02-0341

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





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

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

Lab No. **0341**

Project Contact (Hardcopy or PDF to): **Troy Turpen** EDF Report? Yes No **Chain-of-Custody Record and Analysis Request**

Company/Address: **Kiff Analytical, LLC** Recommended but not mandatory to complete this section:

Phone No.: FAX No.: **Sampling Company Log Code: RDMR**

Project Number: **67107** P.O. No.: **54704** **Global ID: T0600101411**

Project Name: **67107** **EDF Deliverable to (Email Address): inbox@kiffanalytical.com**

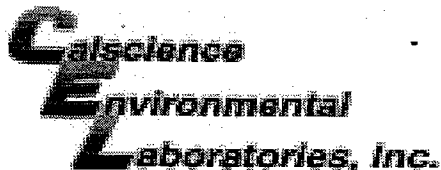
E-mail address: inbox@kiffanalytical.com

Sample Designation	Sampling		Container				Preservative				Matrix		Alkalinity by SM2320B	Total Organic Carbon by EPA 415.1	Total Iron by EPA 6010					Date due:	For Lab Use Only	
	Date	Time	Glass	Poly	Sleeve	Amber	HCl	HNO3	H2SO4	NONE	Na2S2O3	WATER										SOIL
MW-1	02/02/07	1136	1	2				1	1	1		X		X	X	X					X	
MW-2	02/02/07	1054	1	2				1	1	1		X		X	X	X					X	
MW-3R	02/02/07	1236	1	2				1	1	1		X		X	X	X					X	
MW-4	02/02/07	0906	1	2				1	1	1		X		X	X	X					X	
MW-7	02/02/07	1011	1	2				1	1	1		X		X	X	X					X	
MW-10	02/02/07	1218	1	2				1	1	1		X		X	X	X					X	
MW-11	02/02/07	0943	1	2				1	1	1		X		X	X	X					X	
RW-1	02/02/07	11:03	1	2				1	1	1		X		X	X	X					X	
RW-2	02/02/07	11:48	1	2				1	1	1		X		X	X	X					X	

Relinquished by: Hardip Kandola <i>Kiff Analytical</i>	Date: 02/06/05	Time: 1900	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by: CO	Date: 2/7/07	Time: 0800	Received by Laboratory: Wobata CEA

Remarks:

Bill to: **Accounts Payable**



WORK ORDER #: 07 - 02 - 0341

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL

DATE: 2/7/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

- 3.1 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: WVB

CUSTODY SEAL INTACT:

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

Initial: WVB

SAMPLE CONDITION:

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

Initial: WVB

COMMENTS:

Received 1-250ml w/ H₂SO₄ for samples (-1-9) at 1825 on 02-07-07 (via Kiff). ~~02-07-07~~

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

February 13, 2007

CLS Work Order #: CQB0188
COC #: 54704

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 02/06/07 16:55. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

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

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

KIFF Analytical 2795 Second St. Suite 300 Davis, CA 95616	Project: 67107 Project Number: 67107 Project Manager: Troy Turpen	CLS Work Order #: CQB0188 COC #: 54704
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CQB0188

		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# 54704 Page 1 of 1
Project Contact (Hardcopy or PDF to): Troy Turpen		EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request		
Company/Address: Kiff Analytical, LLC		Recommended but not mandatory to complete this section: Sampling Company Log Code: RDMR		Analysis Request		Date due: February 13, 2007
Phone No.:	FAX No.:	Global ID: T0600101411		Disolved CO ₂ (SM4500-CO2D)		For Lab Use Only
Project Number: 67107	P.O. No.: 54704	EDF Deliverable to (Email Address): inbox@kiffanalytical.com				
Project Name: 67107		E-mail address: inbox@kiffanalytical.com				
Project Address:		Sampling	Container	Preservative	Matrix	
Sample Designation	Date	Time	Glass Poly Sleeve Amber	HCl HNO3 H2SO4 NONE Na2S2O8	WATER SOIL	
MW-1	02/02/06	11:36	1		X	X
MW-2	02/02/06	10:54	1		X	X
MW-3R	02/02/06	12:36	1		X	X
MW-4	02/02/06	09:02	1		X	X
MW-7	02/02/06	10:11	1		X	X
MW-10	02/02/06	12:18	1		X	X
MW-11	02/02/06	09:43	1		X	X
RW-1	02/02/06	11:03	1		X	X
RW-2	02/02/06	11:48	1		X	X
Relinquished by: <i>[Signature]</i> KIFF Analytical		Date: 02/07/06	Time: 1655	Received by:		Remarks: 300 Bill to: Accounts Payable
Relinquished by:		Date:	Time:	Received by:		
Relinquished by:		Date:	Time:	Received by Laboratory:		
				300R 2-6-7 1655		

Feb 06 07 05:03p Kiff Analytical 5302974802 p.1

CALIFORNIA LABORATORY SERVICES

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02/13/07 10:16

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

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

CLS Work Order #: CQB0188
COC #: 54704

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CQB0188-01) Water Sampled: 02/02/07 11:36 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	37	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-2 (CQB0188-02) Water Sampled: 02/02/07 10:54 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	48	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-3R (CQB0188-03) Water Sampled: 02/02/07 12:36 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	69	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-4 (CQB0188-04) Water Sampled: 02/02/07 09:02 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	54	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-7 (CQB0188-05) Water Sampled: 02/02/07 10:11 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	59	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-10 (CQB0188-06) Water Sampled: 02/02/07 12:18 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	64	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
MW-11 (CQB0188-07) Water Sampled: 02/02/07 09:43 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	37	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
RW-1 (CQB0188-08) Water Sampled: 02/02/07 11:03 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	33	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	
RW-2 (CQB0188-09) Water Sampled: 02/02/07 11:48 Received: 02/06/07 16:55									
Carbon Dioxide as CO2	28	5.0	mg/L	1	CQ01042	02/07/07	02/07/07	SM 4500C	

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

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

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

CLS Work Order #: CQB0188
COC #: 54704

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CQ01042 - General Preparation

Blank (CQ01042-BLK1)

Prepared & Analyzed: 02/07/07

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

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02/13/07 10:16

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

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

CLS Work Order #: CQB0188
COC #: 54704

Notes and Definitions

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

CA DOHS ELAP Accreditation/Registration Number 1233

3249 Fitzgerald Road Rancho Cordova, CA 95742 www.californialab.com 916-638-7301 Fax: 916-638-4510

Project Contact (Hardcopy or PDF To):
Edward Munsch
 Company / Address:
RDM Env.
 Phone #: 916 415 1134 Fax #: 916 415 1154
 Project #: 67107 P.O. #:
 Project Name: 67107

California EDF Report? Yes No
 Sampling Company Log Code:
 Global ID:
 EDF Deliverable To (Email Address):
 Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Project Address:
444 Leelling.
San Lorenzo.

Sample Designation	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air
MW-1	2/2/07	1136	3	3	1			3	1	2	X		
MW-2	2/2/07	1054	3	3	1			3	1	2	X		
MW-3R	2/2/07	1236	3	3	1			3	1	2	X		
MW-4	2/2/07	0906	3	3	1			3	1	2	X		
MW-7	2/2/07	1011	3	3	1			3	1	2	X		
MW-10	2/2/07	1214	3	3	1			3	1	2	X		
MW-11	2/2/07	0943	3	3	1			3	1	2	X		
RW-1	2/2/07	1103	3	3	1			3	1	2	X		
RW-2	2/2/07	1148	3	3	1			3	1	2	X		

Analysis Request													TAT
MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb													<input type="checkbox"/> 12 hr
MTBE (EPA 8260B) @ 0.5 ppb													<input type="checkbox"/> 24 hr
BTEX (EPA 8260B)	X	X											<input type="checkbox"/> 48 hr
TPH Gas (EPA 8260B)	X	X											<input type="checkbox"/> 72 hr
5 Oxygenates (EPA 8260B)	X												<input type="checkbox"/> 1 wk
7 Oxygenates (EPA 8260B)	X												
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 80107)	X	X											
WEL Lead (EPA 80107)	X	X											
Total Iron	X	X											
Dissolved CO ₂	X	X											

Relinquished by: Douglas Hoff Date: Time: Received by:
 Relinquished by: Date: Time: Received by:
 Relinquished by: Date: 020607 Time: 1454 Received by Laboratory: [Signature] Kiff Analytical

Remarks: STAT
Email Copy to RDM
 Bill to: Rob Donovan / TESORO
 For Lab Use Only: Sample Receipt
 Temp °C: 3.4 Initials: ADG Date: 020607 Time: 1753 Therm. ID #: IR-5 Coolant Present: (Yes) / No

Appendix C

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



Report Number : 54537

Date : 2/1/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Water Samples
Project Name : Tesoro Station 67107
Project Number : 67107
P.O. 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,

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

Joel Kiff



Report Number : 54537

Date : 2/1/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW- INF**

Matrix : Water

Lab Number : 54537-01

Sample Date :1/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	58	0.50	ug/L	EPA 8260B	1/27/2007
Toluene	3.0	0.50	ug/L	EPA 8260B	1/27/2007
Ethylbenzene	5.4	0.50	ug/L	EPA 8260B	1/27/2007
Total Xylenes	50	0.50	ug/L	EPA 8260B	1/27/2007
Methyl-t-butyl ether (MTBE)	21	0.50	ug/L	EPA 8260B	1/27/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-Butanol	12	5.0	ug/L	EPA 8260B	1/27/2007
TPH as Gasoline	1400	50	ug/L	EPA 8260B	1/27/2007
Toluene - d8 (Surr)	114		% Recovery	EPA 8260B	1/27/2007
4-Bromofluorobenzene (Surr)	96.4		% Recovery	EPA 8260B	1/27/2007

Approved By:

Joel Kiff



Report Number : 54537

Date : 2/1/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW- MID**

Matrix : Water

Lab Number : 54537-02

Sample Date :1/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	18	0.50	ug/L	EPA 8260B	1/27/2007
Toluene	0.90	0.50	ug/L	EPA 8260B	1/27/2007
Ethylbenzene	0.94	0.50	ug/L	EPA 8260B	1/27/2007
Total Xylenes	14	0.50	ug/L	EPA 8260B	1/27/2007
Methyl-t-butyl ether (MTBE)	16	0.50	ug/L	EPA 8260B	1/27/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-Butanol	8.5	5.0	ug/L	EPA 8260B	1/27/2007
TPH as Gasoline	400	50	ug/L	EPA 8260B	1/27/2007
Toluene - d8 (Surr)	115		% Recovery	EPA 8260B	1/27/2007
4-Bromofluorobenzene (Surr)	97.5		% Recovery	EPA 8260B	1/27/2007

Approved By:

Joel Kiff



Report Number : 54537

Date : 2/1/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-EFF**

Matrix : Water

Lab Number : 54537-03

Sample Date :1/23/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/27/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/27/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/27/2007
Toluene - d8 (Surr)	113		% Recovery	EPA 8260B	1/27/2007
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	1/27/2007

Approved By:

Joel Kiff

Report Number : 54537

Date : 2/1/2007

QC Report : Method Blank Data

Project Name : **Tesoro Station 67107**

Project Number : **67107**

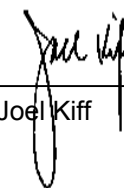
<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/26/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/26/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/26/2007
Toluene - d8 (Surr)	114		%	EPA 8260B	1/26/2007
4-Bromofluorobenzene (Surr)	97.1		%	EPA 8260B	1/26/2007

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 54537

Date : 2/1/2007

QC Report : Matrix Spike/ Matrix Spike Duplicate

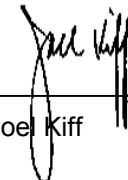
Project Name : **Tesoro Station 67107**

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	54509-02	<0.50	40.0	40.0	40.0	39.3	ug/L	EPA 8260B	1/26/07	99.9	98.2	1.75	70-130	25
Toluene	54509-02	<0.50	40.0	40.0	43.2	41.9	ug/L	EPA 8260B	1/26/07	108	105	3.11	70-130	25
Tert-Butanol	54509-02	<5.0	200	200	205	205	ug/L	EPA 8260B	1/26/07	102	103	0.0383	70-130	25
Methyl-t-Butyl Ether	54509-02	<0.50	40.0	40.0	37.6	36.5	ug/L	EPA 8260B	1/26/07	93.9	91.3	2.85	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  _____
Joel Kiff

Report Number : 54537

Date : 2/1/2007

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro Station 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	1/26/07	94.4	70-130
Toluene	40.0	ug/L	EPA 8260B	1/26/07	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/26/07	95.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/26/07	89.2	70-130

KIFF ANALYTICAL, LLC

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

Approved By:


Joel Kiff



Report Number : 54537

Date : 2/1/2007

Analysis Summary

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

Project Name : Tesoro Station 67107

Project Number : 67107

Sample Name			GW- INF		GW- MID		GW-EFF	
Sample Date			1/23/2007		1/23/2007		1/23/2007	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	58	0.50	18	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	3.0	0.50	0.90	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	5.4	0.50	0.94	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	50	0.50	14	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	21	0.50	16	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	12	5.0	8.5	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	1400	50	400	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		114		115		113
4-Bromofluorobenzene (Surr)	EPA 8260B	%		96.4		97.5		97.8

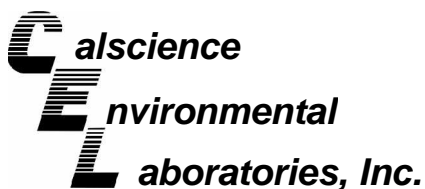
MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236



February 02, 2007

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

Subject: **CalScience Work Order No.: 07-01-1557**
Client Reference: Tesoro Station 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/27/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Nowak', is written over a white background.

CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



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

Date Received: 01/27/07
Work Order No: 07-01-1557

Project: Tesoro Station 67107

Page 1 of 1

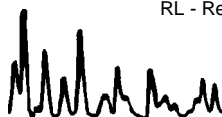
Client Sample Number	Lab Sample Number	Date Collected	Matrix
GW-Eff	07-01-1557-1	01/23/07	Aqueous

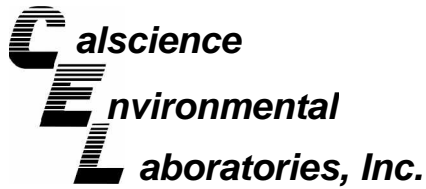
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	01/31/07	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	01/30/07	01/30/07	EPA 410.4

Method Blank					N/A			Aqueous
---------------------	--	--	--	--	-----	--	--	---------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	01/31/07	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	01/30/07	01/30/07	EPA 410.4

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





Quality Control - Duplicate



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

Date Received: N/A
Work Order No: 07-01-1557

Project: Tesoro Station 67107

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	EPA 410.4	07-01-1466-2	01/30/07	23	23	0	0-25	
Solids, Total Suspended	EPA 160.2	07-01-1694-1	01/31/07	147	150	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-01-1557

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





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

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

1557

Lab No. _____ Page 1 of 1

Project Contact (Hardcopy or PDF to):
Troy Turpen

EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Company/Address:
Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Analysis Request

Phone No.: _____

FAX No.: _____

Sampling Company Log Code:

Project Number:
67107

P.O. No.:
54537

Global ID:

EDF Deliverable to (Email Address):

Project Name:
Tesoro Station 67107

E-mail address:
inbox@kiffanalytical.com

Project Address:

Sampling

Container

Preservative

Matrix

Sample Designation

Date Time

Glass Poly Amber Sleeve

HCl HNO₃ ICE NONE H₂SO₄

WATER SOIL

C.O.D

TSS

Date due:

February 2, 2007

For Lab Use Only

GW-Eff

01/23/07 10:50

1 1

1 1

X

X

X

X

Relinquished by:

Date

Time

Received by:

Remarks:

Relinquished by: Troy Turpen - Kiff Analytical

01/23/07

1900

Received by:

Relinquished by:

Date

Time

Received by:

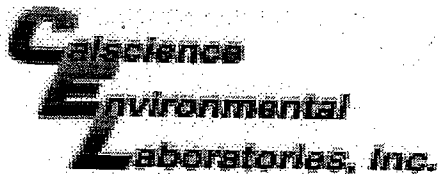
Relinquished by: G.O

1/23/07

1130

Received by Laboratory: *[Signature]*

Bill to: **Accounts Payable**



WORK ORDER #: 07 - 0 1 - 1 5 5 7

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kipp

DATE: 1/27/07

TEMPERATURE SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

- 2.7 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: [checked] No (Not Intact): Not Present:

Initial: [Signature]

SAMPLE CONDITION:

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

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.

Project Contact (Hardcopy or PDF To): Richard Munch California EDF Report? Yes No

Company / Address: RDM Sampling Company Log Code:

Phone #: (916) 521-7010 Fax #: (916) 415-1154 Global ID:

Project #: 67107 P.O. #: 67107 EDF Deliverable To (Email Address):

Project Name: Tesoro Station 67107 Sample Signature: [Signature]

Project Address: San Lorenzo, CA

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			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)	C.O.D.	TSI	TAT	For Lab Use Only	
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil																			Air
GW-Inf	1/23	10:55	4					X			X				X	X															01
GW-MID	1/23	10:53	4					X			X				X	X															02
GW-Eff	1/23	10:50	4					X		X	X				X	X										X	X				03

Relinquished by: [Signature] Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: 012607 Time: 1515 Received by Laboratory: [Signature] KIFF Analytical

Remarks: [Signature] STAT

Bill to: Tesoro Petroleum / Rob Brown

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
1.4	CIY	012607	177	FR5	(Yes) / No



Report Number : 55001

Date : 02/27/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Water Samples
Project Name : Tesoro Station 67107
Project Number : 67107
P.O. 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,

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

Joel Kiff



Report Number : 55001

Date : 02/27/2007

Subject : 3 Water Samples
Project Name : Tesoro Station 67107
Project Number : 67107
P.O. Number : 67107

Case Narrative

Sample GW-MID was analyzed by EPA Method 8260B using bottles that contained headspace bubbles greater than 1/4 inch in diameter.

Approved By: _____

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over a horizontal line. Below the line, the name "Joel Kiff" is printed in a standard black font.



Report Number : 55001

Date : 02/27/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-Inf**

Matrix : Water

Lab Number : 55001-01

Sample Date :02/21/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	48	0.50	ug/L	EPA 8260B	02/24/2007
Toluene	3.8	0.50	ug/L	EPA 8260B	02/24/2007
Ethylbenzene	63	0.50	ug/L	EPA 8260B	02/24/2007
Total Xylenes	94	0.50	ug/L	EPA 8260B	02/24/2007
Methyl-t-butyl ether (MTBE)	16	0.50	ug/L	EPA 8260B	02/24/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/24/2007
TPH as Gasoline	980	50	ug/L	EPA 8260B	02/24/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/24/2007
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	02/24/2007

Approved By:

Joel Kiff



Report Number : 55001

Date : 02/27/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-MID**

Matrix : Water

Lab Number : 55001-02

Sample Date :02/21/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Methyl-t-butyl ether (MTBE)	0.93	0.50	ug/L	EPA 8260B	02/24/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/24/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/24/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/24/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/24/2007
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	02/24/2007

Approved By:

Joel Kiff



Report Number : 55001

Date : 02/27/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-Eff**

Matrix : Water

Lab Number : 55001-03

Sample Date :02/21/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/23/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/23/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/23/2007
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	02/23/2007

Approved By:

Joel Kiff

Report Number : 55001

Date : 02/27/2007

QC Report : Method Blank Data

Project Name : **Tesoro Station 67107**

Project Number : **67107**

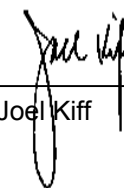
<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/23/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/23/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/23/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	02/23/2007
4-Bromofluorobenzene (Surr)	108		%	EPA 8260B	02/23/2007

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
------------------	-----------------------	-------------------------------	--------------	------------------------	----------------------

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 55001

Date : 02/27/2007

QC Report : Matrix Spike/ Matrix Spike Duplicate

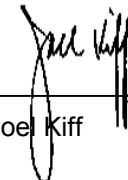
Project Name : **Tesoro Station 67107**

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	54995-01	<0.50	40.0	40.0	38.6	37.7	ug/L	EPA 8260B	2/23/07	96.6	94.2	2.50	70-130	25
Toluene	54995-01	<0.50	40.0	40.0	40.0	38.7	ug/L	EPA 8260B	2/23/07	100	96.7	3.49	70-130	25
Tert-Butanol	54995-01	<5.0	200	200	200	201	ug/L	EPA 8260B	2/23/07	100	100	0.241	70-130	25
Methyl-t-Butyl Ether	54995-01	0.89	40.0	40.0	39.8	39.8	ug/L	EPA 8260B	2/23/07	97.2	97.2	0.0165	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  _____
Joel Kiff

Report Number : 55001

Date : 02/27/2007

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro Station 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	2/23/07	94.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/23/07	97.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/23/07	98.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/23/07	98.1	70-130

KIFF ANALYTICAL, LLC

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

Approved By:

Joel Kiff





Report Number : 55001

Date : 02/27/07

Analysis Summary

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

Project Name : Tesoro Station 67107

Project Number : 67107

Sample Name			GW-Inf		GW-MID		GW-Eff	
Sample Date			02/21/07		02/21/07		02/21/07	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	48	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	3.8	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	63	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	94	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	16	0.50	0.93	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	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	980	50	ND	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		101		101		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		109		110		107

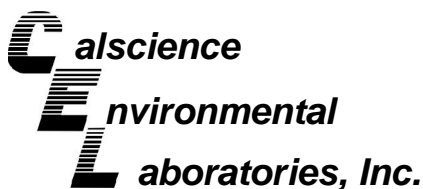
MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236



March 02, 2007

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

Subject: **Calscience Work Order No.: 07-02-1563**
Client Reference: Tesoro Station 67107

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/24/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



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

Date Received: 02/24/07
Work Order No: 07-02-1563

Project: Tesoro Station 67107

Page 1 of 1

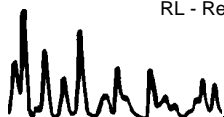
Client Sample Number	Lab Sample Number	Date Collected	Matrix
GW-Eff	07-02-1563-1	02/21/07	Aqueous

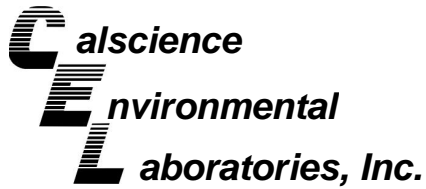
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	02/27/07	EPA 160.2
Chemical Oxygen Demand	11	5.0	1		mg/L	02/28/07	02/28/07	EPA 410.4

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	02/27/07	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	02/28/07	02/28/07	EPA 410.4

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





Quality Control - Duplicate



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

Date Received: N/A
Work Order No: 07-02-1563

Project: Tesoro Station 67107

Matrix: Aqueous

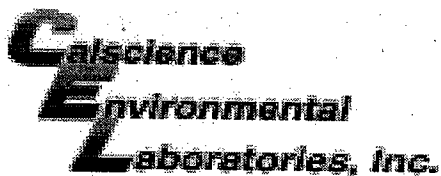
<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	EPA 410.4	07-02-1701-2	02/28/07	9.0	9.0	0	0-25	
Solids, Total Suspended	EPA 160.2	07-02-1560-1	02/27/07	31	34	9	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-02-1563

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





WORK ORDER #: 07 - 02 - 1563

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 02-24-07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): Cooler: [checked] No (Not Intact): Not Present:

Initial: NC

SAMPLE CONDITION:

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

Initial: NC

COMMENTS:

Multiple horizontal lines for handwritten comments.



Report Number : 55737

Date : 4/7/2007

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,

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

Joel Kiff



Report Number : 55737

Date : 4/7/2007

Project Name : **Tesoro St 67107**

Project Number : **67107**

Sample : **EFF**

Matrix : Water

Lab Number : 55737-01

Sample Date :3/31/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/4/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/4/2007
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	4/4/2007
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8260B	4/4/2007

Approved By:

Joel Kiff



Report Number : 55737

Date : 4/7/2007

Project Name : Tesoro St 67107

Project Number : 67107

Sample : MID

Matrix : Water

Lab Number : 55737-02

Sample Date :3/31/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/4/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/4/2007
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	4/4/2007
4-Bromofluorobenzene (Surr)	93.6		% Recovery	EPA 8260B	4/4/2007

Approved By:

Joel Kiff



Report Number : 55737

Date : 4/7/2007

Project Name : **Tesoro St 67107**

Project Number : **67107**

Sample : **INF**

Matrix : Water

Lab Number : 55737-03

Sample Date :3/31/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	18	0.50	ug/L	EPA 8260B	4/4/2007
Toluene	1.2	0.50	ug/L	EPA 8260B	4/4/2007
Ethylbenzene	16	0.50	ug/L	EPA 8260B	4/4/2007
Total Xylenes	24	0.50	ug/L	EPA 8260B	4/4/2007
Methyl-t-butyl ether (MTBE)	14	0.50	ug/L	EPA 8260B	4/4/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/4/2007
TPH as Gasoline	280	50	ug/L	EPA 8260B	4/4/2007
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	4/4/2007
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	4/4/2007

Approved By:

Joel Kiff

Report Number : 55737

Date : 4/7/2007

QC Report : Method Blank Data

Project Name : **Tesoro St 67107**

Project Number : **67107**

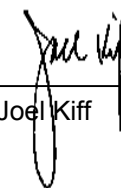
<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/4/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/4/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/4/2007
Toluene - d8 (Surr)	99.8		%	EPA 8260B	4/4/2007
4-Bromofluorobenzene (Surr)	94.2		%	EPA 8260B	4/4/2007

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



QC Report : Matrix Spike/ Matrix Spike Duplicate

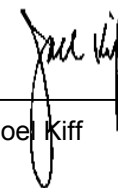
Project Name : **Tesoro St 67107**Project Number : **67107**

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	55687-13	<0.50	39.9	39.9	41.6	41.3	ug/L	EPA 8260B	4/3/07	104	103	0.813	70-130	25
Toluene	55687-13	<0.50	39.9	39.9	40.4	40.0	ug/L	EPA 8260B	4/3/07	101	100	1.23	70-130	25
Tert-Butanol	55687-13	<5.0	200	200	206	202	ug/L	EPA 8260B	4/3/07	103	101	2.08	70-130	25
Methyl-t-Butyl Ether	55687-13	<0.50	39.9	39.9	40.3	43.7	ug/L	EPA 8260B	4/3/07	101	110	8.10	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 55737

Date : 4/7/2007

QC Report : Laboratory Control Sample (LCS)

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	4/3/07	105	70-130
Toluene	40.0	ug/L	EPA 8260B	4/3/07	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/3/07	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/3/07	98.6	70-130

KIFF ANALYTICAL, LLC

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

Approved By:

Joel Kiff





Report Number : 55737

Date : 4/7/2007

Analysis Summary

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

Project Name : Tesoro St 67107

Project Number : 67107

Sample Name			EFF		MID		INF	
Sample Date			3/31/2007		3/31/2007		3/31/2007	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	18
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	1.2
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	16
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	24
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	14
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	ND
TPH as Gasoline	EPA 8260B	ug/L	50	ND	50	ND	50	280
Toluene - d8 (Surr)	EPA 8260B	%		103		99.3		99.4
4-Bromofluorobenzene (Surr)	EPA 8260B	%		99.1		93.6		94.2

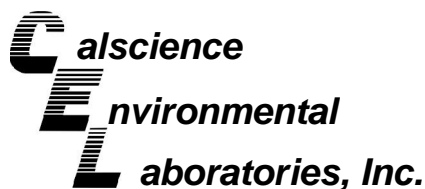
MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236



April 10, 2007

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

Subject: **CalScience Work Order No.: 07-04-0216**
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 4/4/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Analytical Report



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

Date Received: 04/04/07
Work Order No: 07-04-0216

Project: Tesoro St 67107

Page 1 of 1

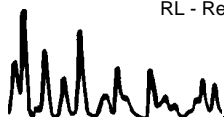
Client Sample Number	Lab Sample Number	Date Collected	Matrix
EFF	07-04-0216-1	03/31/07	Aqueous

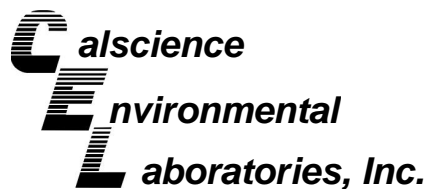
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	04/04/07	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	04/04/07	04/04/07	EPA 410.4

Method Blank					N/A			Aqueous
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	04/04/07	EPA 160.2
Chemical Oxygen Demand	ND	5.0	1		mg/L	04/04/07	04/04/07	EPA 410.4

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





Quality Control - Duplicate



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

Date Received: N/A
Work Order No: 07-04-0216

Project: Tesoro St 67107

Matrix: Aqueous

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chemical Oxygen Demand	EPA 410.4	EFF	04/04/07	ND	ND	NA	0-25	
Solids, Total Suspended	EPA 160.2	07-04-0140-4	04/04/07	ND	ND	NA	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-04-0216

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





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

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

Lab No. 0216 Page 1 of 1

Project Contact (Hardcopy or PDF to):
Troy Turpen

Company/Address:
Kiff Analytical, LLC

Phone No.: FAX No.:

Project Number: **67107** P.O. No.: **55737**

Project Name:
Tesoro St 67107

Project Address:

EDF Report? ___ Yes X No

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Chain-of-Custody Record and Analysis Request

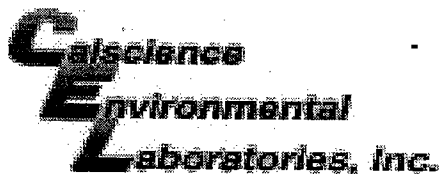
E-mail address:
inbox@kiffanalytical.com

Sample Designation	Sampling		Container			Preservative					Matrix			Chemical Oxygen Demand by EPA 410.4	Total Suspended Solids by EPA 160.2	Date due:	For Lab Use Only			
	Date	Time	VOA	Poly	Sleeve	Amber	Glass	HNO ₃	H ₂ SO ₄	Na ₂ S ₂ O ₃	ZnAc ₂ & NaOH	NONE	WATER					SOIL	Air	
EFF	03/31/07	1140				1	1	1				1	X				X	X	April 10, 2007	

Relinquished by:	Date	Time	Received by:
KIFF Analytical	04/03/07	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	4/4/07	0900	

Remarks:

Bill to: **Accounts Payable**



WORK ORDER #: **07** - -

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kitt

DATE: 4/4/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

Initial: JP

CUSTODY SEAL INTACT:

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

Initial: JP

SAMPLE CONDITION:

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

Initial: JP

COMMENTS:
