# THIRD 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), 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 System Status Report dated 15 May 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).

Total petroleum hydrocarbons as gasoline (TPH-g) were detected in wells MW-3, RW-2, and MW-10 at concentrations greater than 500 micrograms per liter (ug/L). MTBE in MW-10 and MW-11 persisted at higher concentrations than expected. Monitoring well RW-2, which had exhibited increases in concentrations of benzene, toluene, ethylbenzene, total xylenes and MTBE in the last quarter, now shows detections similar to those observed in recent sampling events. Measured oxidation/reduction potential (ORP) and dissolved oxygen (DO) values for the on-site and down gradient monitoring wells indicate anoxic conditions.

Well MW-12 has been added to the Groundwater Monitoring Plan. TPH-g was the only parameter detected in the groundwater samples collected this quarter from MW-12. To confirm these results, the sample chromatograms were requested from Kiff Analytical. Further evaluation of the potential origin of these compounds is currently being conducted.

In general, the southwestern edge of the plume appears to be impacted by persistent levels of TPH-g and MTBE. Therefore, options for the addition of oxygen to the site are currently being evaluated as persistent anoxic conditions appear to be a limiting factor for intrinsic biodegradation and natural attenuation of residuals at this site.

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

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## 1.0 SITE BACKGROUND

Site description 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). A site topographic map and site map are shown in Figures 1 and 2, respectively.

## 2.0 FIELD ACTIVITIES

Groundwater sampling, gauging and remedial operation/maintenance activities were performed on 18 July 2007 and are described in Appendix A. Static groundwater levels in monitoring wells MW-1 through MW-12, RW-1 and RW-2 were measured. 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, dissolved oxygen (DO), oxidation-reduction potential (ORP), specific conductance (SC), pH and temperature measurements were performed to determine intrinsic aquifer conditions at the time of sample collection.

## 3.0 REMEDIATION SYSTEM

In the Fourth Quarter 2006, a series of water level measurements were taken while extraction was operating on wells MW-3R and RW-2. These results indicated drawdown in wells as far up and down-gradient as MW-2 and MW-10. (For detailed information on these pumping tests, refer to the Fourth Quarter 2006 Monitoring/Remediation Status Report.)

Currently, wells MW-3R, RW-1, and RW-2 are operating as extraction wells. During the Third Quarter 2007 the groundwater recovery and treatment system operated without any issues. GAC in the system was changed out on 2 August 2007.

## 4.0 ANALYTICAL PROGRAM

Groundwater samples collected during the 18 July 2007 sampling event were submitted under a completed COC and analyzed by Kiff Analytical, LLC, a State-certified laboratory (#2236), for volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, total xylenes (BTEX), MTBE, TPH-g and other fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B. A detailed description of the analytical program (laboratory reports and chains of custody) can be found in Appendices B and C.

TPH-g has been detected in down gradient wells MW-10 and MW-11, and recently in the newly installed MW-12. To further evaluate these results, the sample chromatograms were requested from the laboratory. Based on further evaluation of the chromatograms, the compounds detected by the analysis are not specific to gasoline. If it is determined that the current method of analysis is incorrectly identifying and quantifying TPH-g, Tesoro will conduct additional sampling during the Fourth Quarter 2007 and analyze the samples using forensic methods to verify the presence of these compounds.

## 5.0 GROUNDWATER RESULTS

Analytical results are summarized in the attached Table 1 and Figures (4 through 7). Results are generally consistent with recent trends, showing a decline in benzene and total xylenes concentrations. Following a slight rise in concentrations in the last quarter, MTBE has decreased in most wells. TPH-g levels this quarter indicate a persistent plume of this compound to the southwest of the site. However,

concentrations in these wells continue to decline from these measured during the 1st Quarter 2007 sampling event. Historical analytical data is included in Appendix D.

Monitoring well MW-12, installed on 25 June 2007, was added to the monitoring program for the Third Quarter 2007. Results from a groundwater sample collected immediately after installation exhibited TPH-g at 480 ug/L (Table 3). All other analytes were below reporting limits. During quarterly sampling conducted on 18 July 2007, TPH-g was the only parameter detected (68 ug/L). The lower concentration of TPH-g observed during the quarterly sampling event suggests that the higher levels detected immediately after installation may be a result of the installation process. To confirm the concentration of TPH-g at this location, MW-12 will be included in the quarterly monitoring program.

## 6.0 REMEDIATION RESULTS

During the operation of the treatment system, groundwater flow was observed to be generally towards well RW-1 (Figure 3). During the Third Quarter 2007, approximately 1.26 lbs of contaminants were extracted from the groundwater recovery and treatment system. Contaminants were detected in the mid-carbon samples during the 5 July 2007 and 30 September 2007 sampling events (Table 4). There were no detections in the effluent samples. 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 377,309 gallons at an average recovery rate of 3.36 gallons per minute, which is approximately twice the rate of recovery observed during the operation of MW-3R and RW-2. Influent, mid, and effluent groundwater treatment system samples were collected for analysis of BTEX, fuel oxygenates and TPH-g on 5 July 2007 and 30 September 2007. Maximum influent concentration of contaminants detected was 200 ug/L for TPH-g on 5 July 2007. Contaminants were not detected in the effluent samples collected and analyzed during the Third Quarter.

All historical remediation system data is included in Appendix E.

## 7.0 CONCLUSIONS

In general, groundwater quality is improving on-site and overall site-wide compound concentrations are decreasing. To the southwest of the site, MTBE and TPH-g are persisting at concentrations greater than levels detected in 2006 but are continuing to decline from the 1st and 2nd quarterly monitoring events conducted in 2007.

Recent results indicate the need for additional remedial measures in order to achieve plume stability and attain site closure goals. 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 contaminants is most likely due to oxygen-limited conditions in the subsurface. Ozone ($O_3$) and/or pure oxygen ($O_2$) injection or similar technology will be evaluated as an effective enhancement to the current groundwater recovery system.

## 8.0 RECOMMENDATIONS AND PROPOSED ACTIVITIES

Based on our review of the data, we recommend:

- Continue operation of the re-configured groundwater recovery and treatment system;

- Update the Site Conceptual Model as needed and continue quarterly groundwater compliance reporting to summarize monitoring and remediation activity;
- Evaluate the potential costs for the addition of oxygen injection to the area southwest of the recovery system to enhance the intrinsic biodegradation processes active at the site.

## 9.0 STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

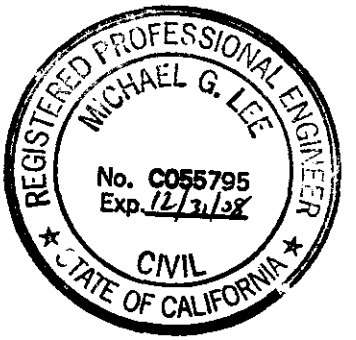
The conclusions presented herein are based solely upon the agreed upon scope of work outlined in this report. RDM makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this investigation. 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 Reg. Civil Engineer No. C055795




Attachments

## 10.0 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**

**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 | 05/28/98 | 43.67 | NM | NC | 120 | <10 | 39 | 55 | 7,800 | 9,300 | NA | No free product or sheen |
| (Cont.) | 08/19/98 | | 14.58 | 29.09 | 12 | <2.5 | 6.0[c] | 3.8[c] | <250[c] | 2,200 | NA | No free product or sheen |
| | 11/17/98 | | 15.39 | 28.28 | 8.3 | <2.5 | 9.2 | 7.6 | 860 | 4,200 | NA | No free product or sheen |
| | 02/18/99 | | 13.52 | 30.15 | 2.7 | <2.5 | <2.5 | 3.9 | 310 | 4,200 | NA | No free product or sheen |
| | 06/24/99 | | 15.02 | 28.65 | 10 | <2.5 | 12 | 6.5 | 860 | 3,400 | NA | No free product or sheen |
| | 08/30/99 | | 15.87 | 27.80 | 2.0 | <0.5 | 3.9 | 2.0 | 140 | 2,800 | NA | No free product or sheen |
| | 11/09/99 | | 16.65 | 27.02 | <0.5 | <0.5 | 3.1 | 2.0 | 170 | 1,500 | NA | No free product or sheen |
| | 03/22/00 | | 13.96 | 29.71 | 2.8 | <2.0 | 3.6 | <2.0 | <200 | 1,200 | NA | No free product or sheen |
| | 06/12/00 | | 15.23 | 28.44 | 1.3 | <1.0 | <1.0 | <1.0 | 190 | 640 | NA | No free product or sheen |
| | 11/15/00 | | 17.05 | 26.62 | <1.0 | <0.1 | <1.0 | <1.0 | 240 | 960 | NA | No free product or sheen |
| | 02/26/01 | | 15.46 | 28.21 | 1.2 | <1.0 | <1.0 | <1.0 | <100 | 2,800 | NA | No free product or sheen |
| | 05/21/01 | | 16.22 | 27.45 | <2.0 | <2.0 | <2.0 | <2.0 | <200 | 540 | NA | No free product or sheen |
| | 09/05/01 | | 11.25 | 32.42 | 7.0 | <2.0 | <2.0 | <2.0 | <200 | 550 | NA | No free product or sheen |
| | 11/07/01 | | 18.01 | 25.66 | <2.0 | <2.0 | <2.0 | <2.0 | 290 | 750 | NA | No free product or sheen |
| | 02/11/02 | 45.98 | 15.77 | 30.21 | <1.0 | <1.0 | <1.0 | <1.0 | 270 | 450 | NA | No free product or sheen |
| | 06/03/02 | | 16.35 | 29.63 | <2.0 | <2.0 | <2.0 | <2.0 | 310 | 610 | 26[e] | No free product or sheen |
| | 08/06/02 | | 17.00 | 28.98 | <0.5 | <0.5 | <0.5 | <0.5 | 170 | 540 | 20[e] | No free product or sheen |
| | 11/14/02 | | 16.93 | 29.05 | <2.0 | <2.0 | <2.0 | <2.0 | 490 | 900 | ND | No free product or sheen |
| | 02/20/03 | | 15.74 | 30.24 | <1.0 | <1.0 | <1.0 | <1.0 | 210 | 320 | ND | No free product or sheen |
| | 05/15/03 | | 15.60 | 30.38 | <1.5 | <1.5 | <1.5 | <1.5 | 400 | 670 | ND | No free product or sheen |
| | 07/31/03 | | 16.60 | 29.38 | <1.5 | <1.5 | <1.5 | <1.5 | 380 | 620 | ND | No free product or sheen |
| | 10/28/03 | | 17.35 | 28.63 | <1.0 | <1.0 | <1.0 | <1.0 | 230 | 470 | ND | No free product or sheen |
| | 02/28/04 | | 14.65 | 31.33 | <0.5 | <0.5 | <0.5 | <0.5 | 300 | 400 | ND | No free product or sheen |
| | 04/16/04 | | 15.44 | 30.54 | <1.5 | <1.5 | <1.5 | <1.5 | <200 | 510 | ND | No free product or sheen |
| | 07/16/04 | | 15.99 | 29.99 | <1.5 | <1.5 | <1.5 | <1.5 | 280 | 660 | ND | No free product or sheen |
| | 11/13/04 | | 15.98 | 30.00 | <1.0 | <1.0 | <1.0 | <1.0 | <100 | 530 | 19[e] | No free product or sheen |
| | 02/04/05 | | 15.27 | 30.71 | <1.0 | <1.0 | <1.0 | <1.0 | 140 | 610 | 18[e] | No free product or sheen |
| | 04/13/05 | | 14.31 | 31.67 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 19 | 12[e] | No free product or sheen |
| | 08/10/05 | | 15.77 | 30.21 | <0.5 | <0.5 | <0.5 | <0.5 | 100 | 170 | 17[e] | No free product or sheen |
| | 11/05/05 | | 16.25 | 29.73 | <0.5 | <0.5 | <0.5 | <0.5 | 220 | 95 | 24[e] | No free product or sheen |
| | 01/30/06 | | 14.67 | 31.31 | <0.5 | <0.5 | <0.5 | <0.5 | 92 | 120 | 20[e] | No free product or sheen |
| | 04/28/06 | | 13.70 | 32.28 | <0.5 | <0.5 | <0.5 | <0.5 | 57 | 18 | 13[e] | No free product or sheen |
| | 08/15/06 | | 15.52 | 30.46 | <0.5 | <0.5 | <0.5 | <0.5 | 60 | 15 | 10[e] | No free product or sheen |
| | 10/26/06 | | 16.59 | 29.39 | <0.5 | <0.5 | <0.5 | <0.5 | 110 | 34 | 6.2[e] | No free product or sheen |
| | 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 |
| | 04/30/07 | | 16.17 | 29.81 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.5 | ND | No free product or sheen |
| | 07/18/07 | | 16.90 | 29.08 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.94 | 5.5[e], 68[f] | No free product or sheen |

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

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 02/18/99 | 43.09 | 14.07 | 29.02 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 13,000 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 14.70 | 28.39 | <15 | <0.5 | <0.5 | <0.5 | 180 | 39,000 | NA | No free product or sheen |
| | 08/30/99 | | 15.46 | 27.63 | <25 | <25 | <25 | <25 | <2,500 | 18,000 | NA | No free product or sheen |
| | 11/09/99 | | 16.03 | 27.06 | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 14,000 | NA | No free product or sheen |
| | 03/22/00 | | 13.05 | 30.04 | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 54,000 | NA | No free product or sheen |
| | 06/12/00 | | 14.50 | 28.59 | <20 | <20 | <20 | <20 | <2,000 | 53,000 | NA | No free product or sheen |
| | 11/15/00 | | 16.28 | 26.81 | <50 | <50 | <50 | <50 | <5,000 | 35,000 | NA | No free product or sheen |
| | 02/26/01 | | 14.98 | 28.11 | <20 | <20 | <20 | <20 | <2,000 | 2,800 | NA | No free product or sheen |
| | 05/21/01 | | 15.45 | 27.64 | <25 | <25 | <25 | <25 | <5,000 | 20,000 | NA | No free product or sheen |
| | 09/05/01 | | 15.17 | 27.92 | <20 | <20 | <20 | <20 | <2,000 | 12,000 | NA | No free product or sheen |
| | 11/07/01 | | 17.05 | 26.04 | <20 | <20 | <20 | <20 | <2,000 | 7,600 | NA | No free product or sheen |
| | 02/11/02 | 45.23 | 13.29 | 31.94 | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 1,500 | NA | No free product or sheen |
| | 06/03/02 | | 14.84 | 30.39 | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 2,200 | 190[e] | No free product or sheen |
| | 08/06/02 | | 14.85 | 30.38 | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 3,300 | 110[e] | No free product or sheen |
| | 11/14/02 | | 15.35 | 29.88 | <10 | <10 | <10 | <10 | <1,000 | 3,200 | 120[e] | No free product or sheen |
| | 02/20/03 | | 14.08 | 31.15 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 160 | ND | No free product or sheen |
| | 05/15/03 | | 14.55 | 30.68 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 270 | ND | No free product or sheen |
| | 07/31/03 | | 15.30 | 29.93 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 300 | ND | No free product or sheen |
| | 10/28/03 | | 14.93 | 30.30 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1,600 | 20[e], 1.8[f] | No free product or sheen |
| | 02/28/04 | | 13.56 | 31.67 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 340 | ND | No free product or sheen |
| | 04/16/04 | | 14.40 | 30.83 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 130 | 35[e] | No free product or sheen |
| | 07/16/04 | | 15.03 | 30.20 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 68 | ND | No free product or sheen |
| | 11/13/04 | | 15.00 | 30.23 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 35 | ND | No free product or sheen |
| | 02/04/05 | | 14.26 | 30.97 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 22 | ND | No free product or sheen |
| | 04/13/05 | | 13.19 | 32.04 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 11 | ND | No free product or sheen |
| | 08/10/05 | | 14.84 | 30.39 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | ND | No free product or sheen |
| | 11/05/05 | | 15.39 | 29.84 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 11 | ND | No free product or sheen |
| | 01/30/06 | | 13.54 | 31.69 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.2 | ND | No free product or sheen |
| | 04/28/06 | | 12.55 | 32.68 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.3 | ND | No free product or sheen |
| | 08/15/06 | | 14.57 | 30.66 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.7 | ND | No free product or sheen |
| | 10/26/06 | | 15.54 | 29.69 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.9 | ND | No free product or sheen |
| | 02/02/07 | | 15.60 | 29.63 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.1 | ND | No free product or sheen |
| | 04/30/07 | | 15.19 | 30.04 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.85 | ND | No free product or sheen |
| | 07/18/07 | | 15.96 | 29.27 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.2 | 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 | 03/31/98 | 43.10 | 11.55 | 31.55 | 1,800 | 600 | 410 | 1,400 | 12,000 | 510 | NA | No free product or sheen |
| (Cont.) | 05/26/98 | | 12.80 | 30.30 | NS | NS | NS | NS | NS | NS | NA | No free product or sheen |
| | 05/28/98 | | NM | NC | 1,500 | 400 | 280 | 870 | 6,500 | 480 | NA | No free product or sheen |
| | 08/19/98 | | 14.27 | 28.83 | 130 | 11 | 24 | 60 | 1,400 | 140 | NA | No free product or sheen |
| | 11/17/98 | | 15.11 | 27.99 | 48 | 3.5 | 9.9 | 14 | 510 | 120 | NA | No free product or sheen |
| | 02/18/99 | | 13.30 | 29.80 | 67 | 28 | 24 | 81 | 690 | 88 | NA | No free product or sheen |
| | 06/24/99 | | 14.44 | 28.66 | 27 | 21 | 8.6 | 32 | 540 | 61 | NA | No free product or sheen |
| | 08/30/99 | | 15.05 | 28.05 | 12 | 12 | 3.2 | 13 | 250 | 50 | NA | No free product or sheen |
| | 11/09/99 | | 15.72 | 27.38 | 9.8 | 5.3 | 3.4 | 10 | 230 | 48 | NA | No free product or sheen |
| | 03/22/00 | | 13.21 | 29.89 | 180 | 47 | 46 | 100 | 1,500 | 80 | NA | No free product or sheen |
| | 06/12/00 | | 14.31 | 28.79 | 100 | 6.2 | 20 | 25 | 920 | 76 | NA | No free product or sheen |
| | 11/15/00 | | 16.13 | 26.97 | 280 | 5.0 | 21 | 20 | 1,100 | 140 | NA | No free product or sheen |
| | 02/26/01 | | 14.48 | 28.62 | 14 | 4.3 | 3.1 | 11 | 140 | 230 | NA | No free product or sheen |
| | 05/21/01 | | 15.30 | 27.80 | 36 | 0.72 | 1.0 | 2.2 | 510 | 280 | NA | No free product or sheen |
| | 09/05/01 | | 16.10 | 27.00 | 59 | 0.53 | 0.75 | 0.57 | 390 | 620 | NA | No free product or sheen |
| | 11/07/01 | | 17.40 | 25.70 | 170 | 2.3 | 4.9 | 4.8 | 830 | 900 | NA | No free product or sheen |
| | 02/11/02 | 45.21 | 13.56 | 31.65 | 17 | <2.5 | 4.7 | 7.9 | 370 | 1,200 | NA | No free product or sheen |
| | 06/03/02 | | 15.54 | 29.67 | 120 | <2.5 | 5.6 | 8.4 | 460 | 1,400 | 140[e] | No free product or sheen |
| | 08/06/02 | | 16.20 | 29.01 | 110 | <5.0 | <5.0 | <5.0 | 800 | 2,200 | 170[e] | No free product or sheen |
| | 11/14/02 | | 16.50 | 28.71 | 89 | <10 | <10 | <10 | 1,400 | 2,800 | 210[e] | No free product or sheen |
| | 02/20/03 | | 14.99 | 30.22 | 14 | <5.0 | <5.0 | <5.0 | <500 | 2,300 | 97[e] | No free product or sheen |
| | 05/15/03 | | 14.96 | 30.25 | 43 | <5.0 | <5.0 | <5.0 | <500 | 2,000 | 87[e] | No free product or sheen |
| | 07/31/03 | | 15.40 | 29.81 | 280 | <5.0 | 6.6 | 7.4 | 1,500 | 1,600 | 130[e] | No free product or sheen |
| | 10/28/03 | | 16.20 | 29.01 | 140 | 1.6 | 6.5 | 4.0 | 2,200 | 1,100 | 74[e], 0.75[f] | No free product or sheen |
| | 02/28/04 | | 13.86 | 31.35 | 99 | 31 | 12 | 52 | 1,200 | 1,500 | 82[e] | No free product or sheen |
| | 04/16/04 | | 14.89 | 30.32 | 95 | 19 | 12 | 48 | 1,200 | 1,100 | 340[e] | No free product or sheen |
| | 07/16/04 | | 15.42 | 29.79 | 94 | 27 | 9.4 | 38 | 980 | 810 | 580[e] | No free product or sheen |
| | 11/13/04 | | 14.97 | 30.24 | 580 | 52 | 440 | 1,600 | 9,000 | 450 | 440[e] | No free product or sheen |
| | 02/04/05 | | 14.22 | 30.99 | 350 | 29 | 260 | 1,100 | 5,400 | 270 | 390[e] | No free product or sheen |
| | 04/13/05 | | 13.44 | 31.77 | 1,300 | 84 | 1,200 | 3,200 | 20,000 | 290 | 150[e] | No free product or sheen |
| | 08/10/05 | | 14.80 | 30.41 | 400 | 23 | 340 | 1,200 | 7,100 | 110 | 160[e] | No free product or sheen |
| | 11/05/05 | | 15.22 | 29.99 | 230 | 10 | 250 | 600 | 4,100 | 81 | 200[e] | No free product or sheen |
| | 01/30/06 | | 13.69 | 31.52 | 460 | 20 | 470 | 1,000 | 6,100 | 85 | 190[e] | No free product or sheen |
| | 04/28/06 | | 12.68 | 32.53 | 510 | 15 | 490 | 940 | 8,200 | 81 | 90[e] | No free product or sheen |
| | 08/15/06 | | 14.54 | 30.67 | 470 | 11 | 500 | 680 | 5,600 | 80 | 92[e] | No free product or sheen |
| | 10/26/06 | | 23.85 | 21.36 | 82 | 4.2 | 38 | 220 | 1,800 | 53 | 45[e] | No free product or sheen |
| | 02/02/07 | | 21.96 | 23.25 | 94 | 4.3 | 7.0 | 110 | 1,500 | 42 | 26[e] | No free product or sheen |
| | 04/30/07 | | 19.40 | 25.81 | 240 | 17 | 280 | 300 | 3,700 | 38 | 22[e] | No free product or sheen |
| | 07/18/07 | | 23.11 | 22.10 | 85 | 1.5 | 3.6 | 20 | 690 | 29 | 17[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 | |
| | 08/28/92 | | NM | NC | 6.6 | 1.3 | 1.6 | 3.1 | 1,700 | NA | NA | |
| | 11/19/92 | | 21.58 | 23.08 | <0.5 | <0.5 | <0.5 | <0.5 | 400 | NA | NA | |
| | 02/03/93 | | 16.98 | 27.68 | <0.5 | <0.5 | <0.5 | <0.5 | 1,100 | NA | NA | |
| | 06/23/93 | | 17.23 | 27.43 | <0.5 | <0.5 | <0.5 | <0.5 | 120 | NA | NA | No free product or sheen |
| | 09/22/93 | | 18.83 | 25.83 | <0.5 | <0.5 | <0.5 | <0.5 | 110 | NA | NA | No free product or sheen |
| | 01/24/94 | | 18.86 | 25.80 | <0.5 | <0.5 | <0.5 | <0.5 | 260 | NA | NA | |
| | 04/07/94 | | 17.90 | 26.76 | <0.5 | <0.5 | <0.5 | <0.5 | 430 | NA | NA | No free product or sheen |
| | 06/07/94 | | 18.08 | 26.58 | <0.5 | <0.5 | <0.5 | <0.5 | 150 | NA | NA | No free product or sheen |
| | 09/28/94 | | 19.70 | 24.96 | <0.5 | <0.5 | <0.5 | <0.5 | 75 | NA | NA | No free product or sheen |
| | 12/14/94 | | 18.55 | 26.11 | <0.5 | <0.5 | <0.5 | <0.5 | 160 | NA | NA | No free product or sheen |
| | 03/15/95 | | 16.14 | 28.52 | <0.5 | <0.5 | <0.5 | <0.5 | 500 | NA | NA | No free product or sheen |
| | 06/13/95 | | 16.41 | 28.25 | <0.5 | <0.5 | <0.5 | <0.5 | 210[a] | NA | NA | No free product or sheen |
| | 09/28/95 | | 17.88 | 26.78 | <0.5 | <0.5 | <0.5 | <0.5 | 140[a] | NA | NA | No free product or sheen |
| | 12/28/95 | | 17.81 | 26.85 | <0.5 | <0.5 | <0.5 | <0.5 | 510[a] | <5.0 | NA | No free product or sheen |
| | 03/12/96 | | 14.77 | 29.89 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/11/96 | | 15.88 | 28.78 | <0.5 | <0.5 | <0.5 | <0.5 | 50[a] | <5.0 | NA | No free product or sheen |
| | 10/02/96 | | 17.40 | 27.26 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 01/28/97 | | 14.11 | 30.55 | <0.5 | <0.5 | <0.5 | <0.5 | 270[a] | <5.0 | NA | No free product or sheen |
| | 05/20/97 | | 16.24 | 28.42 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/18/97 | | 17.59 | 27.07 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 09/29/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 11/05/97 | | 18.24 | 26.42 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0/<0.5[b] | NA | No free product or sheen |
| | 03/31/98 | | 13.61 | 31.05 | <0.5 | <0.5 | <0.5 | <0.5 | 110 | <5.0 | NA | No free product or sheen |
| | 05/26/98 | | 14.78 | 29.88 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | 94 | <5.0 | NA | No free product or sheen |
| | 08/19/98 | | 16.15 | 28.51 | <0.5[c] | <0.5[c] | <0.5[c] | <0.5[c] | 120[c] | 46[c] | NA | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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 | 11/17/98 | 44.66 | 16.93 | 27.73 | 1.3 | <0.5 | <0.5 | <0.5 | <50 | 780 | NA | No free product or sheen |
| (Cont.) | 02/18/99 | | 15.30 | 29.36 | 8.2 | <0.5 | <0.5 | <0.5 | 130 | 240 | NA | No free product or sheen |
| | 06/24/99 | | 16.35 | 28.31 | <1.0 | <0.5 | <0.5 | <0.5 | <50 | 2,100 | NA | No free product or sheen |
| | 08/30/99 | | 17.12 | 27.54 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 17.60 | 27.06 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2,500 | NA | No free product or sheen |
| | 03/22/00 | | 14.98 | 29.68 | <0.5 | <0.5 | <0.5 | <0.5 | 69 | 12,000 | NA | No free product or sheen |
| | 06/12/00 | | 16.26 | 28.40 | <20 | <20 | <20 | <20 | <2,000 | 17,000 | NA | No free product or sheen |
| | 11/15/00 | | 17.98 | 26.68 | <1.0 | <1.0 | <1.0 | <1.0 | <100 | 17,000 | NA | No free product or sheen |
| | 02/26/01 | | 16.31 | 28.35 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 17.15 | 27.51 | <25 | <25 | <25 | <25 | <5,000 | 13,000 | NA | No free product or sheen |
| | 09/05/01 | | 18.22 | 26.44 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/07/01 | | 19.01 | 25.65 | <10 | <10 | <10 | <10 | <1,000 | 3,800 | NA | No free product or sheen |
| | 02/11/02 | 46.98 | 16.68 | 30.30 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 06/03/02 | | 17.29 | 29.69 | <2.0 | <2.0 | <2.0 | <2.0 | <200 | 1,100 | 38[e], 2.0[f] | No free product or sheen |
| | 08/06/02 | | 17.92 | 29.06 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/14/02 | | 17.92 | 29.06 | <2.0 | <2.0 | <2.0 | <2.0 | <200 | 700 | ND | No free product or sheen |
| | 02/20/03 | | 16.72 | 30.26 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 05/15/03 | | 16.51 | 30.47 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 73 | ND | No free product or sheen |
| | 07/31/03 | | 17.41 | 29.57 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 10/28/03 | | 18.30 | 28.68 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 65 | ND | No free product or sheen |
| | 02/28/04 | | 15.82 | 31.16 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/16/04 | | 16.42 | 30.56 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 6.2 | ND | No free product or sheen |
| | 07/16/04 | | 16.94 | 30.04 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/13/04 | | 17.00 | 29.98 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 50 | ND | No free product or sheen |
| | 02/04/05 | | 16.25 | 30.73 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/13/05 | | 15.33 | 31.65 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/10/05 | | 16.74 | 30.24 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/05/05 | | 17.23 | 29.75 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 01/30/06 | | 15.62 | 31.36 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 3.5 | ND | No free product or sheen |
| | 04/28/06 | | 14.71 | 32.27 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.89 | ND | No free product or sheen |
| | 08/15/06 | | 16.46 | 30.52 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 8.8 | ND | No free product or sheen |
| | 10/26/06 | | 17.45 | 29.53 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.7 | ND | No free product or sheen |
| | 02/02/07 | | 17.52 | 29.46 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.0 | ND | No free product or sheen |
| | 04/30/07 | | 17.10 | 29.88 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 07/18/07 | | 17.81 | 29.17 | <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-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 |

**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-5 | 02/18/99 | 43.79 | 14.23 | 29.56 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 15.29 | 28.50 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 08/30/99 | | 16.07 | 27.72 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 16.61 | 27.18 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 03/22/00 | | 13.81 | 29.98 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/12/00 | | 15.08 | 28.71 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/15/00 | | 16.71 | 27.08 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/26/01 | | 15.05 | 28.74 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 15.91 | 27.88 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 09/05/01 | | 16.99 | 26.80 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/07/01 | | 17.51 | 26.28 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/11/02 | 46.12 | 14.31 | 31.81 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 14.96 | 31.16 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 08/06/02 | | 15.65 | 30.47 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/14/02 | | 15.69 | 30.43 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/20/03 | | 14.19 | 31.93 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/15/03 | | 15.44 | 30.68 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 07/31/03 | | 16.48 | 29.64 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 10/28/03 | | 16.92 | 29.20 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/28/04 | | 14.64 | 31.48 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/16/04 | | 15.28 | 30.84 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/16/04 | | 15.88 | 30.24 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/13/04 | | 15.98 | 30.14 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/04/05 | | 15.17 | 30.95 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/13/05 | | 14.12 | 32.00 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/10/05 | | 15.69 | 30.43 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/05/05 | | 16.32 | 29.80 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 01/30/06 | | 14.49 | 31.63 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/28/06 | | 13.51 | 32.61 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/15/06 | | 15.46 | 30.66 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 10/26/06 | | 16.42 | 29.70 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/02/07 | | 16.49 | 29.63 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/30/07 | | 16.10 | 30.02 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/18/07 | | 16.80 | 29.32 | 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-6 | 02/18/92 | 42.47 | 15.87 | 26.60 | 4.8 | <0.5 | <0.5 | <0.5 | 370 | NA | NA | |
| | 05/14/92 | | 16.04 | 26.43 | <0.5 | <0.5 | <0.5 | <0.5 | 120 | NA | NA | |
| | 08/27/92 | | 18.17 | 24.30 | 1.2 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 11/19/92 | | 19.30 | 23.17 | 1.3 | <0.5 | 1 | 1.1 | 66 | NA | NA | |
| | 02/03/93 | | 14.60 | 27.87 | 1.9 | 2.6 | 23 | 12 | 100 | NA | NA | |
| | 06/23/93 | | 15.00 | 27.47 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/22/93 | | 16.66 | 25.81 | 2.2 | 3.8 | 0.53 | 2.7 | 81 | NA | NA | No free product or sheen |
| | 01/24/94 | | 16.52 | 25.95 | <0.5 | <0.5 | <0.5 | <0.5 | 98 | NA | NA | |
| | 04/07/94 | | 15.70 | 26.77 | 0.71 | <0.5 | <0.5 | <0.5 | 150 | NA | NA | No free product or sheen |
| | 06/07/94 | | 15.88 | 26.59 | <0.5 | <0.5 | <0.5 | <0.5 | 180 | NA | NA | No free product or sheen |
| | 09/28/94 | | 17.51 | 24.96 | <0.5 | <0.5 | <0.5 | <0.5 | 100 | NA | NA | No free product or sheen |
| | 12/14/94 | | 16.27 | 26.20 | <0.5 | <0.5 | <0.5 | <0.5 | 140 | NA | NA | No free product or sheen |
| | 03/15/95 | | 13.52 | 28.95 | <0.5 | <0.5 | <0.5 | <0.5 | 110 | NA | NA | No free product or sheen |
| | 06/13/95 | | 13.96 | 28.51 | <0.5 | 0.87 | <0.5 | <0.5 | 150[a] | NA | NA | No free product or sheen |
| | 09/28/95 | | 15.61 | 26.86 | 0.78 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 12/28/95 | | 15.54 | 26.93 | <0.5 | <0.5 | <0.5 | 6.3 | 410 | 70 | NA | No free product or sheen |
| | 01/30/96 | | NM | NC | 1.0 | <0.5 | <0.5 | 11 | 81 | 46 | NA | Not measured |
| | 03/12/96 | | 11.88 | 30.59 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7 | NA | No free product or sheen |
| | 06/11/96 | | 13.52 | 28.95 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 10/02/96 | | 15.10 | 27.37 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 01/28/97 | | 11.18 | 31.29 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 05/20/97 | | 14.00 | 28.47 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/18/97 | | 15.54 | 26.93 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 09/29/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 11/05/97 | | 16.25 | 26.22 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0/2.8[b] | NA | No free product or sheen |
| | 03/31/98 | | 10.60 | 31.87 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 05/26/98 | | 12.01 | 30.46 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/19/98 | | 13.60 | 28.87 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |

**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-6 | 11/17/98 | 42.47 | 14.53 | 27.94 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| (Cont.) | 02/18/99 | | 12.39 | 30.08 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/24/99 | | 13.89 | 28.58 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 08/30/99 | | 14.75 | 27.72 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 15.18 | 27.29 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 03/22/00 | | 12.30 | 30.17 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/12/00 | | 13.69 | 28.78 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/15/00 | | 15.73 | 26.74 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/26/01 | | 14.42 | 28.05 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 15.23 | 27.24 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 09/05/01 | | 16.31 | 26.16 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/07/01 | | 17.01 | 25.46 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/11/02 | 44.79 | 15.72 | 29.07 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 16.39 | 28.40 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 08/06/02 | | 18.90 | 25.89 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/14/02 | | 18.93 | 25.86 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/20/03 | | 15.64 | 29.15 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/15/03 | | 14.07 | 30.72 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 07/31/03 | | 15.21 | 29.58 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 10/28/03 | | 15.73 | 29.06 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/28/04 | | 13.12 | 31.67 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/16/04 | | 13.92 | 30.87 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/16/04 | | 14.53 | 30.26 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/13/04 | | 14.62 | 30.17 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/04/05 | | 13.74 | 31.05 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/13/05 | | 15.59 | 29.20 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/10/05 | | 14.33 | 30.46 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/05/05 | | 14.98 | 29.81 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 01/30/06 | | 12.99 | 31.80 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/28/06 | | 11.90 | 32.89 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/15/06 | | 14.13 | 30.66 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 10/26/06 | | 15.08 | 29.71 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/02/07 | | 15.16 | 29.63 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/30/07 | | 14.76 | 30.03 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/18/07 | | 15.53 | 29.26 | 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-7 | 02/18/92 | 41.54 | 15.51 | 26.03 | 16 | <0.5 | 10 | 16 | 670 | NA | NA | |
| | 05/14/92 | | 15.41 | 26.13 | 44 | <0.5 | 38 | 88 | 1,500 | NA | NA | |
| | 08/27/92 | | 17.45 | 24.09 | 400 | 5.8 | 290 | 1,400 | 23,000 | NA | NA | |
| | 11/19/92 | | 18.54 | 23.00 | 29 | <0.5 | 10 | 53 | 330 | NA | NA | |
| | 02/03/93 | | 14.10 | 27.44 | 200 | <0.5 | 110 | 480 | 2,000 | NA | NA | |
| | 06/23/93 | | 14.33 | 27.21 | 20 | <0.5 | 16 | 16 | 280 | NA | NA | No free product or sheen |
| | 09/22/93 | | 15.92 | 25.62 | 71 | 2.2 | 33 | 210 | 860 | NA | NA | No free product or sheen |
| | 01/24/94 | | 16.07 | 25.47 | 61 | <1.3 | 10 | 160 | 900 | NA | NA | |
| | 04/07/94 | | 15.10 | 26.44 | 53 | <0.5 | 7.1 | 49 | 630 | NA | NA | |
| | 06/07/94 | | 15.16 | 26.38 | 55 | <0.5 | 14 | 24 | 730 | NA | NA | No free product or sheen |
| | 09/28/94 | | 16.82 | 24.72 | 21 | <0.5 | 2.3 | 3.1 | 300 | NA | NA | No free product or sheen |
| | 12/14/94 | | 15.75 | 25.79 | 19 | <0.5 | 3.3 | 32 | 430 | NA | NA | No free product or sheen |
| | 03/15/95 | | 14.00 | 27.54 | 0.88 | <0.5 | <0.5 | <0.5 | 70 | NA | NA | No free product or sheen |
| | 06/13/95 | | 13.44 | 28.10 | 7.3 | 0.79 | 7.6 | 8.9 | 190 | NA | NA | No free product or sheen |
| | 09/28/95 | | 14.84 | 26.70 | 1.5 | <0.5 | 1.2 | 0.84 | 60 | NA | NA | No free product or sheen |
| | 12/28/95 | | 14.55 | 26.99 | <0.5 | <0.5 | 0.91 | 0.69 | 60 | 10 | NA | No free product or sheen |
| | 03/12/96 | | 11.88 | 29.66 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 11 | NA | No free product or sheen |
| | 06/11/96 | | 13.52 | 28.58 | <0.5 | <0.5 | <0.5 | <0.5 | 79 | 16 | NA | No free product or sheen |
| | 10/02/96 | | 14.50 | 27.04 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 26 | NA | No free product or sheen |
| | 01/28/97 | | 11.08 | 30.46 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 13 | NA | No free product or sheen |
| | 05/20/97 | | 13.46 | 28.08 | <0.5 | 0.85 | <0.5 | <0.5 | 78 | 40 | NA | No free product or sheen |
| | 08/18/97 | | 14.95 | 26.59 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | NA | No free product or sheen |
| | 09/29/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NA | Not measured |
| | 11/05/97 | | 15.43 | 26.11 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 8.9/8.0[b] | NA | No free product or sheen |
| | 03/31/98 | | 10.25 | 31.29 | <0.5 | <0.5 | <0.5 | 1.3 | <5.0 | 6 | NA | No free product or sheen |
| | 05/26/98 | | 11.45 | 30.09 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 10 | NA | No free product or sheen |
| | 08/19/98 | | 13.08 | 28.46 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 27 | NA | No free product or sheen |
| | 11/17/98 | | 13.93 | 27.61 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 30 | NA | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-7 | 02/18/99 | 41.54 | 12.16 | 29.38 | <0.5 | <0.5 | <0.5 | <0.5 | 51 | 22 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 13.35 | 28.19 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 08/30/99 | | 14.23 | 27.31 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 14.60 | 26.94 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 16 | NA | No free product or sheen |
| | 03/22/00 | | 11.91 | 29.63 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | NA | No free product or sheen |
| | 06/12/00 | | 13.28 | 28.26 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/15/00 | | 15.12 | 26.42 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 17 | NA | No free product or sheen |
| | 02/26/01 | | 13.46 | 28.08 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 05/21/01 | | 14.31 | 27.23 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 09/05/01 | | 15.42 | 26.12 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/07/01 | | 16.18 | 25.36 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.4 | NA | Not Sampled |
| | 02/11/02 | 43.85 | 13.76 | 30.09 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 14.33 | 29.52 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 08/06/02 | | 15.04 | 28.81 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/14/02 | | 15.05 | 28.80 | <0.5 | <0.5 | <0.5 | <0.5 | <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 |
| | 04/30/07 | | 14.26 | 29.59 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 07/18/07 | | 14.92 | 28.93 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 02/18/92 | 42.26 | 16.57 | 25.69 | <0.5 | <0.5 | 9.5 | <0.5 | 1,200 | NA | NA | |
| | 05/14/92 | | 16.24 | 26.02 | <0.5 | <0.5 | <0.5 | <0.5 | 130 | NA | NA | |
| | 08/27/92 | | 18.28 | 23.98 | <0.5 | <0.5 | <0.5 | <0.5 | 140 | NA | NA | |
| | 11/19/92 | | 19.32 | 22.94 | <0.5 | <0.5 | 2.0 | <0.5 | 320 | NA | NA | |
| | 02/03/93 | | 14.87 | 27.39 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 06/23/93 | | 15.18 | 27.08 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/22/93 | | 18.79 | 23.47 | <0.5 | 0.67 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 01/24/94 | | 17.06 | 25.20 | <0.5 | <0.5 | <0.5 | <0.5 | 290 | NA | NA | |
| | 04/07/94 | | 15.95 | 26.31 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 06/07/94 | | 15.10 | 27.16 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/28/94 | | 17.63 | 24.63 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 12/14/94 | | 16.66 | 25.60 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 03/15/95 | | 14.30 | 27.96 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 06/13/95 | | 14.37 | 27.89 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/28/95 | | 15.62 | 26.64 | NS | NS | NS | NS | NS | NA | NA | No free product or sheen |
| | 12/28/95 | | 15.62 | 26.64 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 03/12/96 | | 12.75 | 29.51 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/11/96 | | 13.94 | 28.32 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 10/02/96 | | 15.41 | 26.85 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 01/28/97 | | 12.30 | 29.96 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 05/20/97 | | 14.42 | 27.84 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/18/97 | | 16.16 | 26.10 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 09/29/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 11/05/97 | | 16.25 | 26.01 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0/<0.5[b] | NA | No free product or sheen |
| | 03/31/98 | | 11.49 | 30.77 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 05/26/98 | | 12.60 | 29.66 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/19/98 | | 14.15 | 28.11 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free Product or sheen |
| | 11/17/98 | | 14.98 | 27.28 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 02/18/99 | 42.26 | 13.41 | 28.85 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 14.35 | 27.91 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 08/30/99 | | 15.16 | 27.10 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 15.61 | 26.65 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 03/22/00 | | 13.17 | 29.09 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/12/00 | | 14.19 | 28.07 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/15/00 | | 16.04 | 26.22 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/26/01 | | 12.99 | 29.27 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 13.86 | 28.40 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 09/05/01 | | 14.91 | 27.35 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/07/01 | | 15.62 | 26.64 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/11/02 | 44.85 | 13.55 | 31.30 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 13.96 | 30.89 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 08/06/02 | | 15.82 | 29.03 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/14/02 | | 15.86 | 28.99 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/20/03 | | 14.70 | 30.15 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/15/03 | | 14.50 | 30.35 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 07/31/03 | | 15.73 | 29.12 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 10/28/03 | | 16.14 | 28.71 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/28/04 | | 14.02 | 30.83 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/16/04 | | 14.52 | 30.33 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/16/04 | | 14.88 | 29.97 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/13/04 | | 15.12 | 29.73 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/04/05 | | 14.17 | 30.68 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/13/05 | | 13.16 | 31.69 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/10/05 | | 14.41 | 30.44 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/05/05 | | 14.87 | 29.98 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 01/30/06 | | 13.65 | 31.20 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/28/06 | | 12.63 | 32.22 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/15/06 | | 14.42 | 30.43 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 10/26/06 | | 15.32 | 29.53 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/02/07 | | 15.52 | 29.33 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/30/07 | | 15.15 | 29.70 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 07/18/07 | | 15.80 | 29.05 | <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-9 | 02/18/92 | 44.94 | 18.87 | 26.07 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 05/14/92 | | 18.55 | 26.39 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 08/27/92 | | 20.80 | 24.14 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 11/19/92 | | 21.90 | 23.04 | <0.5 | <0.5 | <0.5 | 1.3 | <50 | NA | NA | |
| | 02/03/93 | | 17.25 | 27.69 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 06/23/93 | | 17.61 | 27.33 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/22/93 | | 19.18 | 25.76 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 01/24/94 | | 19.17 | 25.77 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | |
| | 04/07/94 | | 18.23 | 26.71 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 06/07/94 | | 18.40 | 26.54 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/28/94 | | 20.01 | 24.93 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 12/14/94 | | 18.88 | 26.06 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 03/15/95 | | 16.24 | 28.70 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 06/13/95 | | 16.75 | 28.19 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 09/28/95 | | 18.04 | 26.90 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 12/28/95 | | 17.87 | 27.07 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 03/12/96 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 06/11/96 | | 16.26 | 28.68 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 10/02/96 | | 17.74 | 27.20 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 01/28/97 | | 14.51 | 30.43 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 05/20/97 | | 16.73 | 28.21 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 08/18/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 09/29/97 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 11/05/97 | | 18.61 | 26.33 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0/<0.5[b] | NA | No free product or sheen |
| | 03/31/98 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 05/26/98 | | 15.28 | 29.66 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | NS | NS | NS | NS | NS | NS | NS | Not measured |
| | 08/19/98 | | 16.55 | 28.39 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 11/17/98 | | 17.32 | 27.62 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-9 | 02/18/99 | 44.94 | 15.74 | 29.20 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 16.73 | 28.21 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 08/30/99 | | 17.48 | 27.46 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 17.98 | 26.96 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 03/22/00 | | 15.46 | 29.48 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 06/12/00 | | 16.70 | 28.24 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/15/00 | | 18.65 | 26.29 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/26/01 | | 14.80 | 30.14 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 15.68 | 29.26 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 09/05/01 | | 16.70 | 28.24 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/07/01 | | 17.23 | 27.71 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/11/02 | 47.26 | 17.16 | 30.10 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 17.66 | 29.60 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | No free product or sheen |
| | 08/06/02 | | 18.26 | 29.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 11/14/02 | | 18.33 | 28.93 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/20/03 | | 16.85 | 30.41 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/15/03 | | 16.63 | 30.63 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 07/31/03 | | 17.58 | 29.68 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 10/28/03 | | 17.93 | 29.33 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 02/28/04 | | 16.22 | 31.04 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/16/04 | | 16.82 | 30.44 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 07/16/04 | | 17.33 | 29.93 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/13/04 | | 17.42 | 29.84 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/04/05 | | 16.68 | 30.58 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/13/05 | | 15.78 | 31.48 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/10/05 | | 17.11 | 30.15 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 11/05/05 | | 17.59 | 29.67 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 01/30/06 | | 16.06 | 31.20 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/28/06 | | 12.50 | 34.76 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 08/15/06 | | 16.87 | 30.39 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 10/26/06 | | 17.87 | 29.39 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 02/02/07 | | 17.88 | 29.38 | NS | NS | NS | NS | NS | NS | NA | Not Sampled |
| | 04/30/07 | | 17.48 | 29.78 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 07/18/07 | | 18.15 | 29.11 | <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-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 |
| | 04/30/07 | | 15.30 | 29.35 | <0.5 | 2.2 | 7.6 | 16 | 4,300 | 13 | ND | No free product or sheen |
| | 07/18/07 | | 15.91 | 28.74 | <0.5 | 0.97 | <0.5 | 3.4 | 2,700 | 4.8 | 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 | 02/18/99 | 45.00 | 16.87 | 28.13 | 8.0 | <0.5 | 1.4 | <0.5 | 390 | 44 | NA | No free product or sheen |
| (Cont.) | 06/24/99 | | 17.50 | 27.50 | 4.6 | <0.5 | 0.66 | <0.5 | 610 | 59 | NA | No free product or sheen |
| | 08/30/99 | | 18.19 | 26.81 | NS | NS | NS | NS | NS | NS | NS | Not sampled |
| | 11/09/99 | | 18.64 | 26.36 | 0.87 | <0.5 | <0.5 | <0.5 | 250 | 66 | NA | No free product or sheen |
| | 03/22/00 | | 16.52 | 28.48 | <0.5 | <0.5 | <0.5 | <0.5 | 330 | 100 | NA | No free product or sheen |
| | 06/12/00 | | 17.44 | 27.56 | <0.5 | <0.5 | <0.5 | <0.5 | 52 | 49 | NA | No free product or sheen |
| | 11/15/00 | | 19.07 | 25.93 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.8 | NA | |
| | 02/26/01 | | 17.80 | 27.20 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/21/01 | | 18.23 | 26.77 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 30 | NA | No free product or sheen |
| | 09/05/01 | | 19.21 | 25.79 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/07/01 | | 19.80 | 25.20 | <0.5 | <0.5 | <0.5 | <0.5 | 360 | 330 | NA | No free product or sheen |
| | 02/11/02 | 47.36 | 17.40 | 29.96 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 06/03/02 | | 18.30 | 29.06 | <0.5 | <0.5 | <0.5 | <0.5 | 120 | 220 | 13[e] | No free product or sheen |
| | 08/06/02 | | 18.80 | 28.56 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 11/14/02 | | 18.94 | 28.42 | <1.0 | <1.0 | <1.0 | <1.0 | 240 | 380 | ND | No free product or sheen |
| | 02/20/03 | | 17.46 | 29.90 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 05/15/03 | | 17.64 | 29.72 | <0.5 | <0.5 | <0.5 | <0.5 | 160 | 170 | ND | No free product or sheen |
| | 07/31/03 | | 18.81 | 28.55 | NS | NS | NS | NS | NS | NS | NS | Not Sampled |
| | 10/28/03 | | 19.20 | 28.16 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 35 | ND | No free product or sheen |
| | 02/28/04 | | 17.33 | 30.03 | <0.5 | <0.5 | <0.5 | <0.5 | 360 | 140 | ND | No free product or sheen |
| | 04/16/04 | | 17.67 | 29.69 | <0.5 | <0.5 | <0.5 | <0.5 | 440 | 110 | ND | No free product or sheen |
| | 07/16/04 | | 18.01 | 29.35 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 10 | ND | No free product or sheen |
| | 11/13/04 | | 18.19 | 29.17 | <0.5 | <0.5 | <0.5 | <0.5 | 230 | 49 | ND | No free product or sheen |
| | 02/04/05 | | 17.47 | 29.89 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.0 | ND | No free product or sheen |
| | 04/13/05 | | 16.81 | 30.55 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | ND | No free product or sheen |
| | 08/10/05 | | 17.74 | 29.62 | NS | NS | NS | NS | NS | NS | NS | Not Accessible |
| | 11/05/05 | | 18.14 | 29.22 | <0.5 | 0.71 | <0.5 | 1.6 | 310 | 4.8 | ND | No free product or sheen |
| | 01/30/06 | | 17.11 | 30.25 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.0 | ND | No free product or sheen |
| | 04/28/06 | | 16.49 | 30.87 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.8 | ND | No free product or sheen |
| | 08/15/06 | | 17.61 | 29.75 | <0.5 | <0.5 | <0.5 | <0.5 | 65 | 9.1 | ND | No free product or sheen |
| | 10/26/06 | | 18.32 | 29.04 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.3 | ND | No free product or sheen |
| | 02/02/07 | | 18.50 | 28.86 | <0.5 | <0.5 | <0.5 | 0.72 | 930 | 27 | ND | No free product or sheen |
| | 04/30/07 | | 18.17 | 29.19 | <0.5 | 0.58 | <0.5 | 0.64 | 740 | 28 | ND | No free product or sheen |
| | 07/18/07 | | 18.71 | 28.65 | <0.5 | <0.5 | <0.5 | <0.5 | 490 | 19 | ND | No free product or sheen |
| MW-12 | 07/18/07 | NM | 18.00 | NC | <0.5 | <0.5 | <0.5 | <0.5 | 68 | <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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW-1 | 05/14/92 | 43.17 | 16.88 | 26.29 | NS | NS | NS | NS | NS | NS | NS | |
| | 05/15/92 | | NM | NC | 270 | 62 | 29 | 140 | 790 | NA | NA | |
| | 08/27/92 | | 19.05 | 24.12 | 1,300 | 200 | 68 | 810 | 24,000 | NA | NA | |
| | 11/19/92 | | 21.11 | 22.07 | NS | NS | NS | NS | NS | NS | NS | |
| | 02/03/92 | | 15.48 | 27.69 | 71 | 35 | 22 | 110 | 620 | NA | NA | |
| | 06/23/93 | | 28.25 | 14.92 | 30 | 33 | 9.8 | 35 | 220 | NA | NA | No free product or sheen |
| | 09/22/93 | | 17.83 | 25.34 | 800 | 400 | 170 | 910 | 4,100 | NA | NA | No free product or sheen |
| | 01/24/94 | | 24.00 | 19.17 | 33 | 6 | 6.9 | 23 | 190 | NA | NA | |
| | 04/07/94 | | 16.05 | 27.12 | 110 | 57 | 32 | 260 | 1,500 | NA | NA | No free product or sheen |
| | 06/07/94 | | 16.00 | 27.17 | 130 | 51 | 45 | 180 | 1,700 | NA | NA | No free product or sheen |
| | 09/28/94 | | 18.35 | 24.82 | 54 | 9.2 | 12 | 29 | 350 | NA | NA | No free product or sheen |
| | 12/14/94 | | 19.50 | 23.67 | 6.8 | 2.1 | 1.2 | 3.4 | 79 | NA | NA | No free product or sheen |
| | 03/15/95 | | 17.00 | 26.17 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 04/10/95 | | NM | NC | 54 | 11 | 11 | 69 | 410 | NA | NA | Not measured |
| | 06/13/95 | | 14.95 | 28.22 | 1,600 | 780 | 340 | 1,400 | 8,200 | NA | NA | No free product or sheen |
| | 09/28/95 | | 27.63 | 15.54 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | No free product or sheen |
| | 12/28/95 | | 14.54 | 28.63 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | No free product or sheen |
| | 03/12/96 | | 11.02 | 32.15 | <0.5 | <0.5 | <0.5 | <0.5 | 86 | 110 | NA | No free product or sheen |
| | 06/11/96 | | 14.52 | 28.65 | 38 | 11 | 4.7 | 50 | 230 | 68 | NA | No free product or sheen |
| | 10/02/96 | | 15.53 | 27.64 | 68 | 29 | 14 | 75 | 360 | 47 | NA | No free product or sheen |
| | 01/28/97 | | 12.59 | 30.58 | 0.77 | <0.5 | <0.5 | <0.5 | <50 | 9 | NA | No free product or sheen |
| | 05/20/97 | | 14.85 | 28.32 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 32 | NA | No free product or sheen |
| | 08/18/97 | | 16.19 | 26.98 | 25 | <0.5 | <0.5 | 3.6 | 220 | 170 | NA | No free product or sheen |
| | 09/29/97 | | NM | NC | 240 | 2.8 | 51 | 55 | 900 | 230 | NA | Not measured |
| | 11/05/97 | | 16.95 | 26.22 | 340 | 3.2 | 59 | 78 | 1,300 | 240/220[b] | NA | No free product or sheen |
| | 03/31/98 | | 11.85 | 31.32 | 450 | 130 | 200 | 940 | 4,100 | 4,100 | NA | No free product or sheen |
| | 05/26/98 | | 13.13 | 30.04 | NS | NS | NS | NS | NS | NS | NS | No free product or sheen |
| | 05/28/98 | | NM | NC | 830 | 210 | 170 | 720 | 17,000 | 14,000 | NA | No free product or sheen |
| | 08/19/98 | | 14.70 | 28.47 | 20 | <2.5 | 7.1 | 15 | 540 | 2,100 | NA | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW-1 | 11/17/98 | 43.17 | 15.54 | 27.63 | 7.8 | <2.5 | 5.6 | <2.5 | 630 | 730 | NA | No free product or sheen |
| (cont) | 02/18/99 | | 13.75 | 29.42 | 6.7 | 1.6 | 3.2 | 15 | 180 | 100 | NA | No free product or sheen |
| | 06/24/99 | | 14.96 | 28.21 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 42 | NA | No free product or sheen |
| | 08/30/99 | | 15.75 | 27.42 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 79 | NA | No free product or sheen |
| | 11/09/99 | | 17.45 | 25.72 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 78 | NA | No free product or sheen |
| | 03/22/00 | | 13.51 | 29.66 | 1.2 | <0.5 | <0.5 | <0.5 | <50 | 17 | NA | No free product or sheen |
| | 06/12/00 | | 13.65 | 29.52 | <0.5 | <0.5 | <0.5 | 1.0 | <50 | 40 | NA | No free product or sheen |
| | 11/15/00 | | 29.45 | 13.72 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 290 | NA | No free product or sheen |
| | 02/26/01 | | 28.40 | 14.77 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 360 | NA | No free product or sheen |
| | 05/21/01 | | 43.17 | 27.81 | 4.1 | 1.6 | 1.8 | 23 | 100 | 170 | NA | No free product or sheen |
| | 09/05/01 | | 26.90 | 16.27 | 33 | <0.5 | <0.5 | <0.5 | 73 | 310 | NA | No free product or sheen |
| | 11/07/01 | | 28.41 | 14.76 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 240 | NA | No free product or sheen |
| | 02/11/02 | 45.47 | 27.61 | 17.86 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 21 | NA | No free product or sheen |
| | 06/03/02 | | 26.90 | 18.57 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 160 | 7.7[e] | No free product or sheen |
| | 08/06/02 | | 25.56 | 19.91 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 190 | 6.0[e] | No free product or sheen |
| | 11/14/02 | | 24.83 | 20.64 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 170 | ND | No free product or sheen |
| | 02/20/03 | | 23.56 | 21.91 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 120 | ND | No free product or sheen |
| | 05/15/03 | | 22.80 | 22.67 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 110 | ND | No free product or sheen |
| | 07/31/03 | | 21.71 | 23.76 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 99 | ND | No free product or sheen |
| | 10/28/03 | | 22.07 | 23.40 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 88 | ND | No free product or sheen |
| | 02/28/04 | | 19.32 | 26.15 | 1.3 | <0.5 | <0.5 | <0.5 | <50 | 52 | ND | No free product or sheen |
| | 04/16/04 | | 23.95 | 21.52 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 57 | ND | No free product or sheen |
| | 07/16/04 | | 30.04 | 15.43 | 0.72 | <0.5 | <0.5 | <0.5 | <50 | 100 | 7.2[e] | No free product or sheen |
| | 11/13/04 | | 15.63 | 29.84 | 1.0 | <0.5 | <0.5 | <0.5 | <50 | 71 | ND | No free product or sheen |
| | 02/04/05 | | 18.57 | 26.90 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 45 | ND | No free product or sheen |
| | 04/13/05 | | 24.21 | 21.26 | 1.1 | <0.5 | <0.5 | <0.5 | <50 | 52 | 12[e] | No free product or sheen |
| | 08/10/05 | | 33.59 | 11.88 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 29 | ND | No free product or sheen |
| | 11/05/05 | | 25.63 | 19.84 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 27 | ND | No free product or sheen |
| | 01/30/06 | | 24.39 | 21.08 | 0.61 | <0.5 | <0.5 | 1.3 | <50 | 23 | ND | No free product or sheen |
| | 04/28/06 | | 16.32 | 29.15 | 0.69 | <0.5 | <0.5 | 1.6 | <50 | 16 | ND | No free product or sheen |
| | 08/15/06 | | 34.04 | 11.43 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | ND | No free product or sheen |
| | 10/26/06 | | 25.48 | 19.99 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 16 | ND | No free product or sheen |
| | 02/02/07 | | 16.62 | 28.85 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | ND | No free product or sheen |
| | 04/30/07 | | Dry | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 8.5 | ND | No free product or sheen |
| | 07/18/07 | | 30.72 | 14.75 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.3 | ND | No free product or sheen |

**TABLE 1**

**GROUND WATER MONITORING DATA**

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

| Monitoring Well | Date | Top of Riser Elevation (ft) | Depth to Water (ft) | Ground Water Elevation (ft) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | TPH as gasoline (µg/L) | MTBE (µg/L) | Oxygenates (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW-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 |
| | 04/30/07 | | 18.35 | 26.65 | 190 | 13 | 230 | 230 | 3,300 | 32 | 18[e] | No free product or sheen |
| | 07/18/07 | | 17.95 | 27.05 | <0.5 | <0.5 | 1.1 | 3.2 | 810 | 2.2 | 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 |
| | 09/19/06 | NM | NM | NC | NS | NS | NS | NS | NS | NS | NS | Pump Broken |
| | 02/05/07 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 05/29/07 | 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 |
| | 09/19/06 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 02/05/07 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 05/29/07 | NM | NM | NC | <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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DW-246 * | 09/19/06 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 02/05/07 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 7.0[e] ** | No free product or sheen |
| | 02/21/07 | NM | NM | NC | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | ND | No free product or sheen |
| | 05/29/07 | 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

[g] Methanol

* = Domestic Water Wells (used as irrigation wells) Located at 15800 & 15808 Via Cordoba and 246 Peach Drive, San Lorenzo, CA.

** = Property owner had the RDM technician sample a faucet plumbed to city water. RDM re-sampled the 246 Peach Well on 2-21-07.

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 | | | |
| | 04/30/07 | 7.03 | 1.01 | 48 | 596 | 66.9 | 48 | 1.2 | 288 | 3.3 | 0.541 |
| | | 6.62 | 1.08 | 46 | 599 | 66.8 | | 1.2 | | | |
| | | 6.82 | 1.11 | 46 | 599 | 66.8 | | 1.2 | | | |
| | 07/18/07 | 7.25 | 1.61 | -134 | 691 | 68.6 | 41 | 1.5 | 320 | 5.3 | 0.650 |
| | | 7.19 | 1.56 | -144 | 698 | 68.5 | | 1.5 | | | |
| | | 7.18 | 1.64 | -143 | 704 | 68.7 | | 1.5 | | | |
| 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 | 6.42 | 66.8 | | 0.0 | | | |
| | 04/30/07 | 7.57 | 0.57 | 43 | 532 | 68.2 | 41 | 0.0 | 258 | 2.6 | <0.10 |
| | | 7.14 | 0.60 | 42 | 528 | 68.1 | | 0.0 | | | |
| | | 7.07 | 0.56 | 40 | 528 | 68.1 | | 0.0 | | | |
| | 07/18/07 | 7.28 | 1.37 | 55 | 608 | 69.1 | 40 | 0.5 | 260 | 6 | <0.10 |
| | | 7.27 | 1.29 | 57 | 607 | 68.9 | | 0.5 | | | |
| | | 7.23 | 1.31 | 56 | 608 | 68.8 | | 0.5 | | | |

**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-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 | | | | |
| | 04/30/07 | NM | NM | NM | NM | NM | 90 | NM | 456 | 4.5 | 2.76 | |
| | 07/18/07 | NM | NM | NM | NM | NM | 73 | NM | 420 | 8.7 | 29 | |
| 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 | <0.10 | |
| | | 6.57 | 4.22 | -112 | 791 | 64.0 | | 0.0 | | | | |
| | | 6.56 | 3.71 | -116 | 7.85 | 65.0 | | 0.0 | | | | |
| | 04/30/07 | 7.44 | 1.95 | -132 | 616 | 67.7 | 52 | 0.0 | 256 | 2.6 | <0.10 | |
| | | 7.06 | 1.87 | -147 | 638 | 67.0 | | 0.0 | | | | |
| | | 7.12 | 1.91 | -142 | 640 | 69.6 | | 0.0 | | | | |
| | 07/18/07 | 7.30 | 2.13 | -54 | 823 | 67.4 | 51 | 0.3 | 260 | 6 | <0.10 | |
| | | 7.26 | 1.99 | -55 | 832 | 66.9 | | 0.3 | | | | |
| | | 7.27 | 1.97 | -56 | 839 | 66.6 | | 0.3 | | | | |
| MW-7 | 04/30/07 | 7.37 | 1.28 | -109 | 760 | 56.0 | 82 | 0.0 | 448 | 3.5 | <0.10 | |
| | | 7.35 | 1.19 | -107 | 695 | 55.7 | | 0.0 | | | | |
| | | 7.11 | 1.17 | -112 | 723 | 55.7 | | 0.0 | | | | |

**TABLE 2**

**MNA MONITORING DATA**

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

| Monitoring Well | Date | pH | D.O. (ppm) | ORP | Specific Conductivity | Temperature | Dissolved $CO_2$ (ppm) | Ferrous Iron ($Fe^{+2}$) | Total Alkalinity (ppm) | Total Organic Carbon (ppm) | Total Iron (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 04/30/07 | 7.96 | 0.87 | -116 | 522 | 66.3 | 42 | 0.0 | 260 | 2.8 | <0.10 |
| | | 8.04 | 0.82 | -117 | 521 | 66.3 | | 0.0 | | | |
| | | 7.32 | 0.86 | -115 | 523 | 66.2 | | 0.0 | | | |
| | 07/18/07 | 7.31 | 1.49 | -93 | 594 | 68.5 | 43 | 0.4 | 250 | 6 | <0.10 |
| | | 7.28 | 1.56 | -85 | 564 | 68.3 | | 0.4 | | | |
| | | 7.24 | 1.57 | -86 | 562 | 68.3 | | 0.4 | | | |
| MW-9 | 04/30/07 | 7.43 | 1.78 | 30 | 639 | 66.0 | 32 | 0.0 | 266 | 2.4 | <0.10 |
| | | 7.30 | 1.73 | 31 | 631 | 65.3 | | 0.0 | | | |
| | | 7.23 | 1.69 | 28 | 622 | 65.1 | | 0.0 | | | |
| | 07/18/07 | 7.33 | 1.60 | -15 | 1202 | 66.6 | 66 | 0.5 | 380 | 7 | <0.10 |
| | | 7.26 | 1.63 | -15 | 1129 | 66.5 | | 0.5 | | | |
| | | 7.23 | 1.63 | -15 | 1142 | 66.6 | | 0.5 | | | |

**TABLE 2**

**MNA MONITORING DATA**

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

| Monitoring Well | Date | pH | D.O. (ppm) | ORP | Specific Conductivity | Temperature | Dissolved $CO_2$ (ppm) | Ferrous Iron ($Fe^{+2}$) | Total Alkalinity (ppm) | Total Organic Carbon (ppm) | Total Iron (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-10 | 08/15/06 | 6.84 | 1.18 | -59 | 908 | 72.7 | 95 | 0.0 | 480 | 4.7 | 1.63 |
| | | 6.83 | 1.25 | -64 | 906 | 72.9 | | 1.6 | | | |
| | | 6.82 | 1.28 | -62 | 910 | 72.4 | | 1.6 | | | |
| | 10/26/06 | 7.01 | 1.27 | -182 | 797 | 71.6 | 84 | 0.8 | 418 | 4.6 | 1.36 |
| | | 6.93 | 1.25 | -183 | 803 | 73.3 | | 0.8 | | | |
| | | 6.90 | 1.23 | -185 | 812 | 74.1 | | 0.8 | | | |
| | 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 | | | |
| | 04/30/07 | 7.97 | 0.97 | -83 | 640 | 67.3 | 49 | 1.4 | 372 | 4.1 | 0.864 |
| | | 7.33 | 0.94 | -86 | 640 | 67.1 | | 1.4 | | | |
| | | 7.24 | 0.95 | -85 | 640 | 66.6 | | 1.4 | | | |
| | 07/18/07 | 7.26 | 1.47 | -22 | 663 | 69.7 | 53 | 1.3 | 340 | 8 | 870 |
| | | 7.19 | 1.38 | -23 | 663 | 69.6 | | 1.3 | | | |
| | | 7.18 | 1.40 | -23 | 663 | 69.6 | | 1.3 | | | |
| 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 | | | |
| | 04/30/07 | 7.17 | 1.78 | -19 | 749 | 66.6 | 64 | 1.4 | 436 | 4.2 | 0.528 |
| | | 6.75 | 1.81 | -20 | 756 | 66.7 | | 1.4 | | | |
| | | 6.70 | 1.89 | -22 | 756 | 66.9 | | 1.4 | | | |
| | 07/18/07 | 7.34 | 1.24 | -185 | 685 | 67.4 | 82 | 0.0 | 430 | 4.0 | 620 |
| | | 7.26 | 1.19 | -200 | 698 | 67.3 | | 0.0 | | | |
| | | 7.19 | 1.21 | -201 | 700 | 67.3 | | 0.0 | | | |
| MW-12 | 07/18/07 | 7.39 | 1.42 | -101 | 835 | 67.3 | <5.0 | 0.0 | 370 | 6.0 | <0.10 |
| | | 7.35 | 1.34 | -102 | 829 | 67.3 | | 0.0 | | | |
| | | 7.34 | 1.32 | -103 | 824 | 67.3 | | 0.0 | | | |

**TABLE 2**

**MNA MONITORING DATA**

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

| Monitoring Well | Date | pH | D.O. (ppm) | ORP | Specific Conductivity | Temperature | Dissolved $CO_2$ (ppm) | Ferrous Iron ($Fe^{+2}$) | Total Alkalinity (ppm) | Total Organic Carbon (ppm) | Total Iron (ppm) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 7.69 | 68.7 | | 0.4 | | | | |
| | 04/30/07 | NM | NM | NM | NM | NM | 26 | NM | 356 | 2.5 | 1.38 | |
| | 07/18/07 | NM | NM | NM | NM | NM | 65 | NM | 350 | 3.1 | 1.4 | |
| 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 | | | | |
| | 04/30/07 | NM | NM | NM | NM | NM | 39 | NM | 436 | 3.8 | 3.17 | |
| | 07/18/07 | NM | NM | NM | NM | NM | 50 | NM | 340 | <1.0 | 39 | |

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

**TABLE 3**
**Soil Sample Analytical Results**

Tesoro Station No. 67107 (former Beacon Station No. 3721)
44 Lewelling Boulevard
San Lorenzo, California

| Sample ID | Date | Depth (feet) | Benzene (mg/kg) | Toluene (mg/kg) | Ethyl-benzene (mg/kg) | Total Xylenes (mg/kg) | TPH as gasoline (mg/kg) | Fuel Oxygenates (mg/kg) | Total Lead (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|
| Soil Borings | | | | | | | | | |
| DP-1-24' | 06/25/07 | 24 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 8.5 | <0.0050 | NA |
| DP-1-28' | 06/25/07 | 28 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 1.2 | <0.0050 | NA |
| DP-1-36' | 06/25/07 | 36 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| DP-1-40' | 06/25/07 | 40 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| DP-2-16' | 06/25/07 | 16 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| DP-2-24' | 06/25/07 | 24 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| DP-3-24.5' | 06/26/07 | 24.5 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 8.3 | <0.0050 | NA |
| DP-3-28' | 06/26/07 | 28 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| DP-3-36' | 06/26/07 | 36 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | NA |
| Soil Stockpile (Drill Cuttings) | | | | | | | | | |
| SP-1a,b | 06/26/07 | -- | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <1.0 | <0.0050 | 7.42 |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 10/4/2000 | 190,140 | | 0 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/17/2000 | 190,140 | | 0 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/10/2000 | 190,440 | | 300 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/29/2000 | 200,600 | | 10,460 | Influent | 14 | <0.5 | <0.5 | 1.1 | 96 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| 12/7/2000 | 201,010 | | 410 | Influent | 14 | <0.5 | <0.5 | <0.5 | 56 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| 12/20/2000 | 218,900 | | 17,890 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/04/01 | 218,970 | | 70 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/19/01 | 110 | | 100 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | * | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| 02/15/01 | 12,730 | | 12,620 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/23/01 | 21,900 | | 9,170 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 240 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.8 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.3 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.4 | <10 | 5.0 | 7.63 |
| 03/01/01 | 22,260 | | 360 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | <10 | <5.0 | 7.49 |
| 03/23/01 | 50,000 | | 27,740 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 04/05/01 | 118,900 | | 68,900 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 320 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 65 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 9.2 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 7.79 |
| 04/18/01 | 140,190 | | 21,290 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 05/15/01 | 159,810 | | 19,620 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 05/21/01 | 172,540 | | 12,730 | Influent | 3.8 | 1.4 | 1.3 | 16 | 67 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | <10 | <5.0 | 7.90 |
| 06/05/01 | 185,810 | | 13,270 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 06/21/01 | 185,830 | | 20 | Influent | 2.9 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | <10 | <5.0 | 7.44 |
| 07/05/01 | 186,000 | | 170 | Influent | 3.6 | <0.5 | <0.5 | <0.5 | <50 | 290 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | 100 | 8.3 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 47 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 6.99 |
| 07/16/01 | NM | | NM | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 08/17/01 | 186,040 | | 40 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 08/24/01 | 207,160 | | 21,120 | Influent | 8.5 | <0.5 | <0.5 | 1.4 | <50 | 370 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | 100 | 62 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 90 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 25 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 7.79 |
| 09/06/01 | 233,430 | | 26,270 | Influent | 66 | 0.93 | <0.5 | 6.3 | 150 | 650 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 6.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 67 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 24 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 7.62 |
| 09/29/01 | 239,410 | | 5,980 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/08/01 | 273,690 | | 34,280 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 10/19/01 | 273,800 | | 110 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/02/01 | 352,260 | | 78,460 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/23/01 | 394,260 | | 42,000 | Influent | 22 | <2.0 | <2.0 | <2.0 | <200 | 630 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 31 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 9.07/7.82** |
| 12/13/01 | 400,690 | | 6,430 | Influent | 5.7 | <1.0 | <1.0 | <1.0 | <100 | 370 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 31 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | NA | 7.66** |
| 12/27/2001 | 437,150 | | 36,460 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/17/02 | 437,340 | | 190 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 240 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 25 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 7.54** |
| 01/29/02 | 461,150 | | 23,810 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/13/02 | 477,300 | | 16,150 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/18/02 | 507,110 | | 29,810 | Influent | 0.6 | <0.5 | <0.5 | 2.1 | <50 | 180 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.8 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | <5.0 | 7.68** |
| 03/08/02 | 509,940 | | 2,830 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 03/20/02 | 561,510 | | 51,570 | Influent | 1.2 | <0.5 | <0.5 | 2.1 | <50 | 210 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 9.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | 11 | 52 | 7.45** |
| 04/12/02 | 568,950 | | 7,440 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 04/18/02 | 570,490 | | 1,540 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 140 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <10 | 26 | 7.8** |
| 05/13/02 | 703,960 | | 133,470 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 220 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 98 | NA | NA | NA |
| | | | | Mid-1 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | 13 | <1.0 | 7.45** |
| 05/24/02 | 762,880 | | 58,920 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 06/12/02 | 861,220 | | 98,340 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 220 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 89 | NA | NA | NA |
| | | | | Mid-1 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 23 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | <5.0 | 5 | 7.24** |
| 06/20/02 | 902,920 | | 41,700 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 07/05/02 | 976,890 | | 73,970 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 07/23/02 | 988,120 | | 11,230 | Influent | 85 | <0.5 | <0.5 | 7.3 | 220 | 520 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | 10 | 3.6 | 7.46** |
| 08/01/02 | 1,040,520 | | 52,400 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 08/21/02 | 1,132,920 | | 92,400 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 190 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 29 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 4.8 | 5.1 | <1.0 | 7.32** |
| 09/14/02 | 1,245,710 | | 112,790 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 09/23/02 | 1,268,520 | | 22,810 | Influent | 6.5 | 0.53 | 1.2 | 2.5 | <50 | 230 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | 7.7 | <1.0 | 7.47** |
| 10/07/02 | 1,332,060 | | 63,540 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 10/22/02 | 1,392,920 | | 60,860 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 150 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 69 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <5.0 | 13.0 | <1.0 | 7.48** |
| 11/11/02 | 1,411,070 | | 18,150 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/24/02 | 1,474,210 | | 63,140 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 170 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 130 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 3.2 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.95 | 10.0 | <1.0 | 7.52** |
| 12/11/02 | 1,548,430 | | 74,220 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 12/20/02 | 1,597,130 | | 48,700 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 150 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 120 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.5 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.57 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.71 | <5.0 | <1.0 | 7.58** |
| 01/03/03 | 1,671,090 | | 73,960 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/29/03 | 1,807,900 | | 136,810 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | NA | 10.0 | <1.0 | 7.47** |
| 02/17/03 | 1,904,010 | | 96,110 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/20/03 | 1,919,460 | | 15,450 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 130 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 100 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 7.2 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 7.7 | <1.0 | 7.71 |
| 03/04/03 | 1,978,940 | | 59,480 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 03/20/03 | 2,012,550 | | 33,610 | Influent | 5.7 | 0.72 | 1.5 | 5.1 | 65 | 260 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.3 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.52 | <5.0 | <1.0 | 7.42 |
| 04/01/03 | 2,072,600 | | 60,050 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 04/22/03 | 2,176,680 | | 104,080 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 120 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 69 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 70 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.1 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.72 | 16.0 | <1.0 | 7.49 |
| 05/14/03 | 2,286,720 | | 110,040 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 05/29/03 | 2,344,540 | | 57,820 | Influent | 8.0 | 1.1 | 2.6 | 6.7 | 79 | 140 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 4.3 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.7 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.77 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.66 | 5.1 | <1.0 | 7.62 |
| 06/10/03 | 2,345,770 | | 1,230 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 06/24/03 | 2,346,180 | | 410 | Influent | 3.4 | <0.5 | 0.78 | 1.2 | <50 | 250 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.2 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NS | NS | NS |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 7.7 | <1.0 | 7.42 |
| 07/02/03 | 2,384,820 | | 38,640 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 07/21/03 | 2,467,900 | | 83,080 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 110 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 83 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NS | NS | NS |
| | | | | Mid-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 18 | <1.0 | 7.84 |
| 08/06/03 | 2,537,130 | | 69,230 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 08/20/03 | 2,596,230 | | 59,100 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 82 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 63 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 11 | NS | NS | NS |
| | | | | Mid-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NR | NR | 7.24 |
| 09/07/03 | 2,603,720 | | 7,490 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 09/21/03 | 2,604,320 | | 600 | Influent | 1.0 | <0.5 | <0.5 | <0.5 | <50 | 240 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 3.0 | NS | NS | NS |
| | | | | Mid-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.61 |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 10/10/03 | 2,677,470 | | 73,150 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/30/03 | 2,756,950 | | 79,480 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 89 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 65 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | NA | NA | NA |
| | | | | Mid-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.6 | <5.0 | <1.0 | 6.88 |
| 11/16/03 | 2,821,800 | | 64,850 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/26/03 | 2,853,250 | | 31,450 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 87 | NA | NA | NA |
| | | | | Dat-Eff | 0.96 | <0.5 | <0.5 | <0.5 | <50 | 60 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.12 |
| 12/18/03 | 2,900,120 | | 46,870 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 3.2 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.28 |
| 12/29/03 | 2,956,060 | | 55,940 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/10/04 | 2,959,680 | | 3,620 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 01/28/04 | 2,959,680 | | 0 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/13/04 | 2,959,680 | | 0 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 02/28/04 | 2,960,330 | | 650 | Influent | 1.4 | <0.5 | <0.5 | <0.5 | <50 | 110 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.6 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | <1.0 | 7.48 |
| 03/15/04 | 3,051,940 | | 91,610 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 73 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 61 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.64 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 7.7 | <1.0 | 7.64 |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 03/30/04 | 3,134,660 | | 82,720 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 04/13/04 | 3,207,100 | | 72,440 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 04/19/04 | 3,224,586 | | 17,486 | Influent | 1.4 | <0.5 | <0.5 | 0.89 | <50 | 89 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.6 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.9 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | <1.0 | 7.82 |
| 05/14/04 | 3,340,018 | | 115,432 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 05/26/04 | 3,392,984 | | 52,966 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 65 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 52 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 10 | 4.2 | 7.66 |
| 06/22/04 | 3,456,780 | | 63,796 | Influent | 4.7 | <0.5 | 0.81 | 1.8 | <50 | 99 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | NR | NR | NR | NR | NR | NR | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 20.0 | <1.0 | 7.56 |
| 06/30/04 | 3,473,610 | | 16,830 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 07/06/04 | 3,491,096 | | 17,486 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 07/28/04 | 3,497,468 | | 6,372 | Influent | 0.78 | <0.5 | <0.5 | <0.5 | <50 | 120 | NA | NA | NA |
| | | | | Dat-Eff | 1.0 | <0.5 | <0.5 | <0.5 | <50 | 22 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 10.0 | 8.5 | 7.66 |
| 08/17/04 | 3,582,556 | | 85,088 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 66 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 45 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 120 | 1.4 | 7.54 |
| 08/30/04 | 3,634,100 | | 51,544 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 09/11/04 | 3,677,440 | | 43,340 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 09/18/04 | 3,708,380 | | 30,940 | Influent | <0.5 | <0.5 | <0.5 | 0.68 | <50 | 56 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 35 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.56 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 10 | 18 | 7.68 |
| 10/14/04 | 3,807,160 | | 98,780 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/28/04 | 3,859,560 | | 52,400 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 50 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 42 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.0 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 15 | <1.0 | 7.65 |
| 11/15/04 | 3,903,130 | | 43,570 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/23/04 | 3,904,650 | | 1,520 | Influent | 2.9 | <0.5 | <0.5 | <0.5 | <50 | 84 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.1 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.0 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | 7.54 |
| 12/15/04 | 3,918,320 | | 13,670 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 12/26/2004 | 3,948,170 | | 29,850 | Influent | 8.0 | <0.5 | <0.5 | <0.5 | <50 | 79 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.3 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 64 | <1.0 | 7.21 |
| 01/12/05 | 3,976,692 | | 28,522 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 1/26/2005 | 3,977,960 | | 1,268 | Influent | 4.7 | <0.5 | <0.5 | <0.5 | 62 | 31 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.93 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | <1.0 | 7.35 |
| 02/01/05 | 4,005,700 | | 27,740 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 2/27/2005 | 4,118,630 | | 112,930 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 47 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 20 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.6 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.91 | <5.0 | NM | 7.68 |
| 03/15/05 | 4,189,753 | | 71,123 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 3/24/2005 | 4,232,660 | | 42,907 | Influent | 0.55 | <0.5 | <0.5 | <0.5 | <50 | 51 | NA | NA | NA |
| | | | | Dat-Eff | 1.3 | <0.5 | <0.5 | 1.9 | <50 | 40 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.1 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.2 | <5.0 | <1.0 | 7.86 |
| 04/05/05 | 4,252,450 | | 19,790 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 4/26/2005 | 4,342,340 | | 89,890 | Influent | 10 | <0.5 | 0.68 | 3.0 | 100 | 57 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.6 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | 88*** | <0.5 | 10 | 1.1 | 7.34 |
| 05/12/05 | 4,385,510 | | 43,170 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 5/30/2005 | 4,385,970 | | 460 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 3,900 | NA | NA | NA |
| | | | | Dat-Eff | <5.0 | <5.0 | <5.0 | <5.0 | <500 | 2,300 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 38 | 69 | 7.85 |
| 06/06/05 | 4,387,750 | | 1,780 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 6/28/2005 | 4,408,580 | | 20,830 | Influent | 0.76 | <0.5 | <0.5 | <0.5 | <50 | 41 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 4.9 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | 1.1 | 7.56 |
| 07/20/05 | 4,491,369 | | 82,789 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 7/28/2005 | 4,521,260 | | 29,891 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 30 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 13 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.7 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 13 | <1.0 | 7.86 |
| 08/04/05 | 4,545,530 | | 24,270 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 8/24/2005 | 4,616,760 | | 71,230 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 22 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 4.0 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.89 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 31 | <1.0 | 7.61 |
| 09/20/05 | 4,711,090 | | 94,330 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 9/29/2005 | 4,742,630 | | 31,540 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 19 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.7 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | NA | 7.21 |
| 10/04/05 | 4,749,580 | | 6,950 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/26/2005 | 4,831,760 | | 82,180 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 19 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.42 |
| 11/07/05 | 4,832,140 | | 380 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/27/2005 | 4,833,260 | | 1,120 | Influent | 1.3 | <0.5 | <0.5 | <0.5 | <50 | 49 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 160 | <1.0 | 7.09 |
| 12/13/2005 | 4,896,978 | | 63,718 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 12/27/2005 | 4,949,960 | | 52,982 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 12 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.89 |
| 1/12/2006 | 4,964,992 | | 15,032 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 1/29/2006 | 4,969,103 | | 4,111 | Influent | 3.2 | <0.5 | 0.61 | 1.7 | <50 | 21 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.2 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | <1.0 | 7.58 |
| 2/8/2006 | 5,007,498 | | 38,395 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 2/27/2006 | 5,007,498 | | 0 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 6.1 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | <1.0 | 7.55 |
| 3/6/2006 | 5,007,534 | | 36 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 3/27/2006 | 5,030,875 | | 23,341 | Influent | 1.3 | <0.5 | <0.5 | 2.8 | <50 | 24 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | 1.1 | <50 | 19 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 6.7 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.6 | 28 | 1.8 | 7.24 |
| 4//3/2006 | 5,059,351 | | 28,476 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 4/25/2006 | 5,150,078 | | 90,727 | Influent | 2.6 | <0.5 | <0.5 | 5.0 | 74 | 22 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 13 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 11 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.8 | <5.0 | <1.0 | 7.54 |
| 5/8/2006 | 5,201,819 | | 51,741 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 5/24/2006 | 5,247,348 | | 45,529 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 18 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.8 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 10 | <1.0 | 7.21 |
| 6/6/2006 | 5,276,325 | | 28,977 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

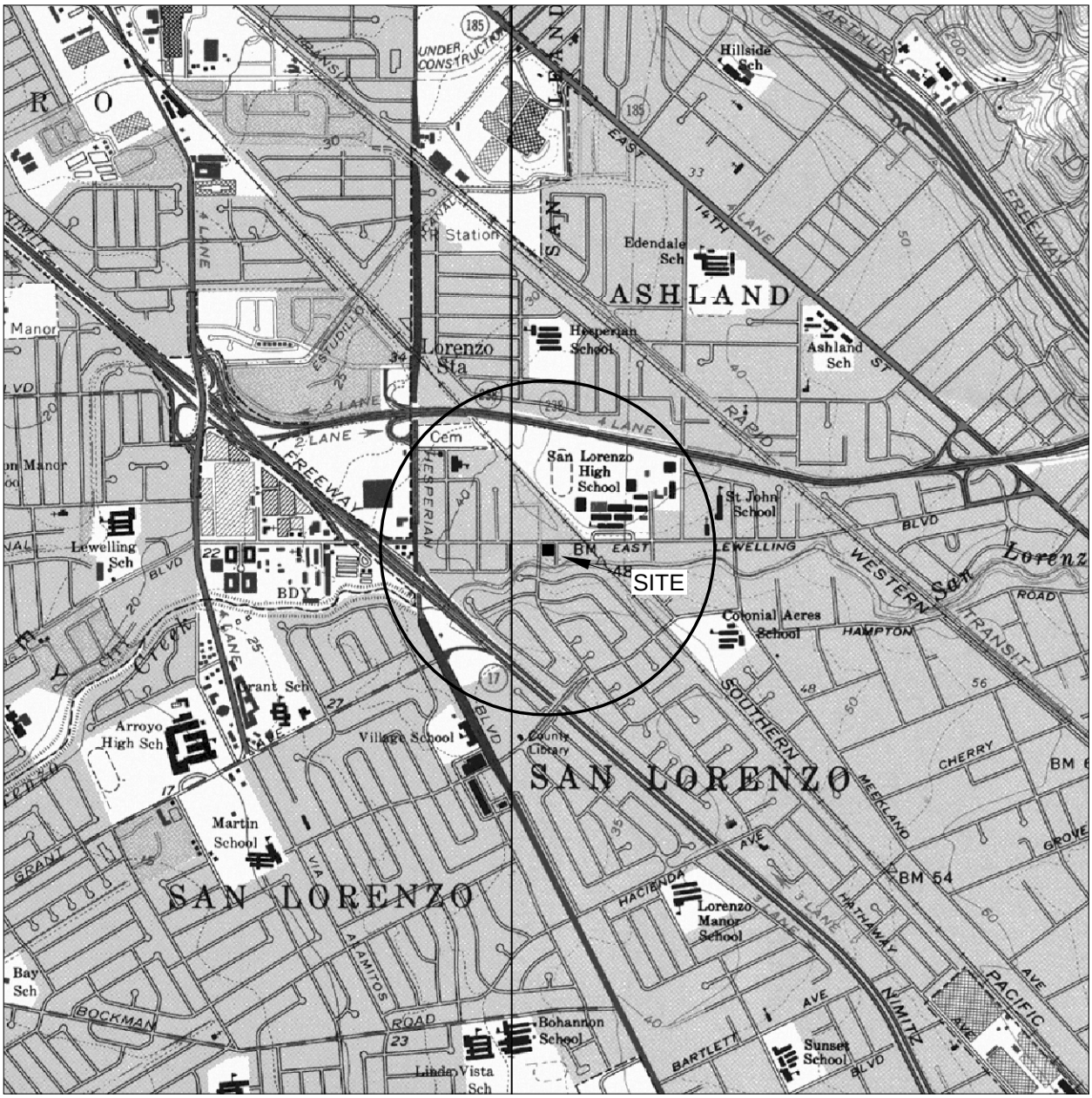
| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 6/27/2006 | 5,300,833 | | 24,508 | Influent | 1.8 | <0.5 | <0.5 | <0.5 | 74 | 26 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.3 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 2.3 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.1 | <1.0 | 7.56 |
| 7/17/2006 | 5,331,664 | | 30,831 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 7/28/2006 | 5,331,905 | | 241 | Influent | 2.3 | <0.5 | <0.5 | <0.5 | <50 | 19 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | 1.0 | 7.89 |
| 8/8/2006 | 5,355,240 | | 23,335 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 8/28/2006 | 5,380,828 | | 25,588 | Influent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 22 | NA | NA | NA |
| | | | | Dat-Eff | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 5.0 | NA | NA | NA |
| | | | | Mid-1 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | Mid-2 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 4.6 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 1.6 | <5.0 | <1.0 | 7.23 |
| 10/15/2006 | 5,381,688 | 860 | 860 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 10/26/2006 | 5,452,644 | 71,816 | 70,956 | Influent | 16 | 0.84 | 8.2 | 37 | 4,900 | 19 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.56 |
| 11/14/2006 | 5,558,023 | 177,195 | 105,379 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 11/28/2006 | 5,631,885 | 251,057 | 73,862 | Influent | 29 | 1.8 | 14 | 74 | 820 | 16 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 8.0 | NA | 7.45 |
| 12/6/2006 | 5,671,803 | 290,975 | 40,778 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 12/22/2006 | 5,751,318 | 370,490 | 79,515 | Influent | 38 | 2.1 | 9.8 | 65 | 680 | 18 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.05 |
| 1/17/2007 | 5,851,898 | 471,070 | 100,580 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 1/23/2007 | 5,859,641 | 478,813 | 7,743 | Influent | 58 | 3.0 | 5.4 | 50 | 1,400 | 21 | NA | NA | NA |
| | | | | Mid-1 | 18 | 0.9 | 0.94 | 14 | 400 | 16 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.21 |
| 2/5/2007 | 5,890,656 | 509,828 | 31,015 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 2/21/2007 | 5,966,635 | 585,807 | 75,979 | Influent | 48 | 3.8 | 63 | 94 | 980 | 16 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.93 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 11.0 | <1.0 | 7.08 |
| 3/8/2007 | 5,988,888 | 608,060 | 98,232 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 3/31/2007 | 6,102,566 | 113,678 | 113,678 | Influent | 18 | 1.2 | 16 | 24 | 280 | 14 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.17 |
| 4/17/2007 | 6,176,717 | 187,829 | 74,151 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |

Table 4
Ground Water System Performance Data Sheet
Tesoro Station No. 67107
(Former Beacon Station No. 3721)

| Site Visit (Date) | Totalizer | New Totalizer | Change in Totalizer | Sample ID | Concentrations in Micrograms per liter ( µg/L) | | | | | | ppm | | pH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | Toluene | Ethyl - Benzene | Total Xylenes | TPHg[a] | MTBE[b] | COD[c] | TSS[d] | |
| 4/23/2007 | 6,202,830 | 213,942 | 26,113 | Influent | 21 | 1.1 | 5.0 | 19 | 300 | 13 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.30 |
| 5/15/2007 | 6,292,713 | 303,825 | 115,996 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 5/29/2007 | 6,342,058 | 353,170 | 49,345 | Influent | 46 | 2.3 | 9.2 | 45 | 1,300 | 14 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.21 |
| 6/7/2007 | 6,359,808 | 370,920 | 67,095 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 6/25/2007 | 6,390,903 | 402,015 | 31,095 | Influent | <0.5 | <0.5 | 1.9 | 8.6 | 1,100 | 2.5 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | 0.79 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 12.0 | <5.0 | 7.09 |
| 7/5/2007 | 6,438,063 | 449,175 | 47,160 | Influent | 13 | <0.5 | 0.83 | 4.6 | 200 | 10 | NA | NA | NA |
| | | | | Mid-1 | 6.1 | <0.5 | <0.5 | 1.6 | 110 | 8.8 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | 5.0 | <1.0 | 7.62 |
| 7/24/2007 | 6,522,769 | 533,881 | 84,706 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 8/8/2007 | 6,575,846 | 586,958 | 53,077 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 8/27/2007 | 6,643,350 | 654,462 | 67,504 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 9/10/2007 | 6,703,699 | 714,811 | 60,349 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 9/18/2007 | 6,737,359 | 748,471 | 33,660 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 9/30/2007 | 6,768,212 | 779,324 | 30,853 | Influent | 3.0 | <0.5 | <0.5 | 0.99 | 67 | 8.4 | NA | NA | NA |
| | | | | Mid-1 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | NA | NA | NA |
| | | | | Effluent | <0.5 | <0.5 | <0.5 | <0.5 | <50 | <0.5 | <5.0 | <1.0 | 7.54 |

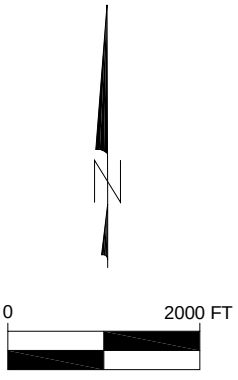
Note: System was turned off on August 28, 2006 for system upgrades.

* = changed out totalizer
** = Field Measurements
*** = Hydrocarbon reported as TPH as gasoline do not exhibit a typical gasoline chromatographic pattern for sample GW-Eff
ppm = parts per million
Notes:
a) Total Petroleum Hydrocarbons as gasoline
b) Methyl-t-butyl ether
c) C.O.D. = Chemical oxygen demand.
d) T.S.S. = Total suspended solids.
NS = Not Sampled
NA = Not Analyzed
NR = Not Reported - results not released by laboratory at the time of this submittal




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

QUADRANGLE LOCATION




SCALE 1:24,000

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

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

R D M Environmental

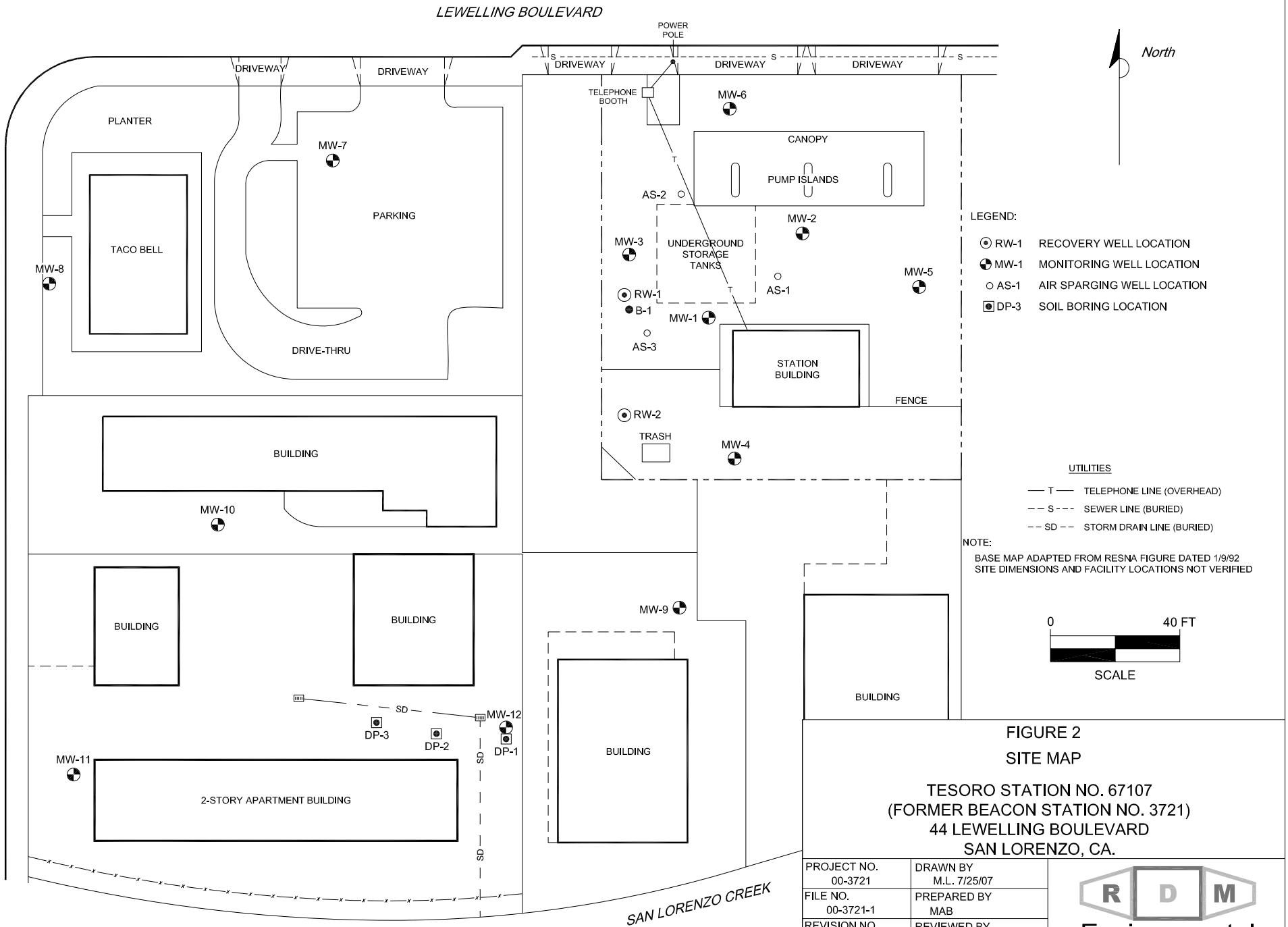



FIGURE 2

SITE MAP

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

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 7/25/07 |
| FILE NO. 00-3721-1 | PREPARED BY MAB |
| REVISION NO. 4 | REVIEWED BY |

R D M Environmental

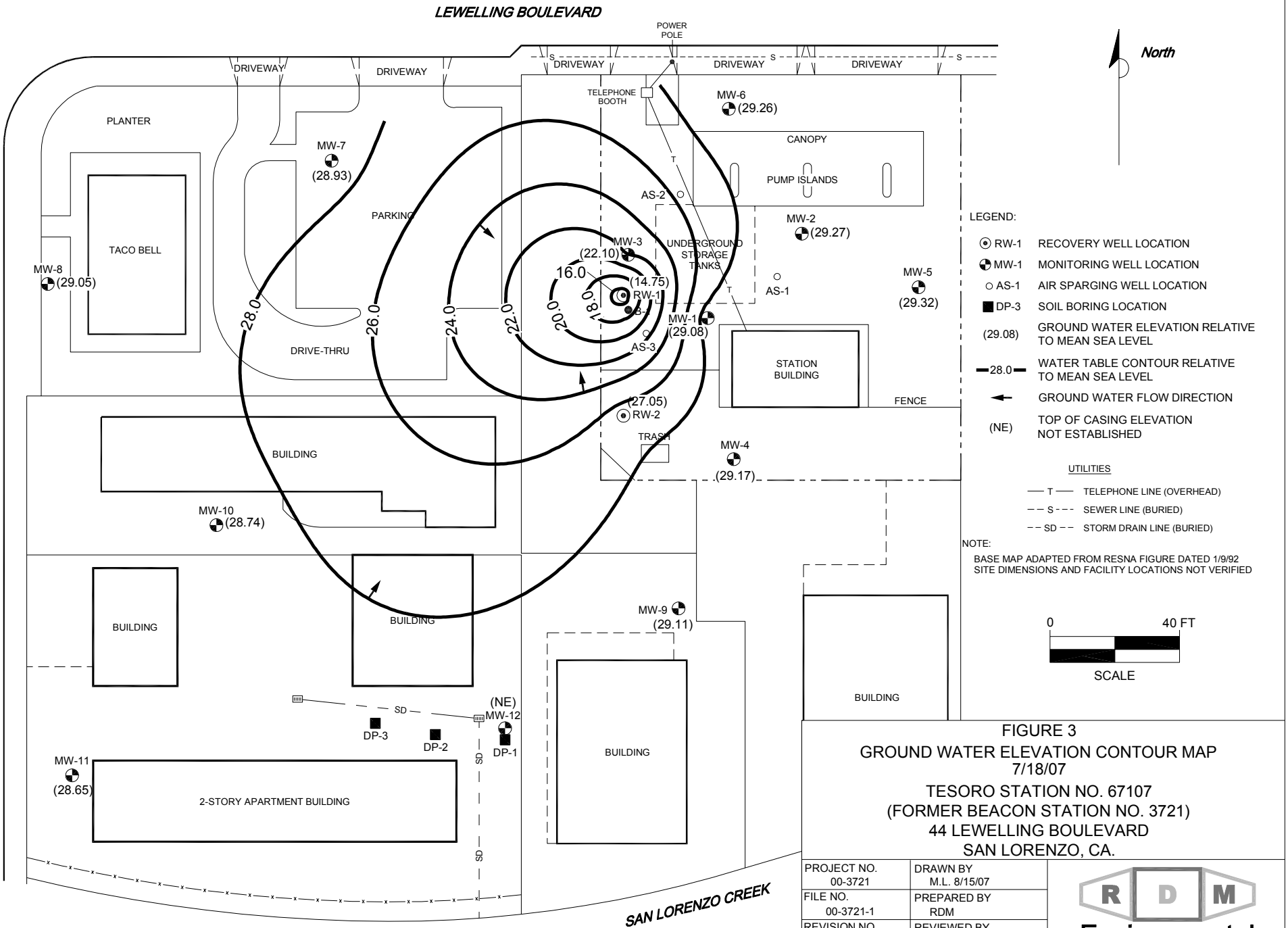



FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
7/18/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 8/15/07 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 1 | REVIEWED BY |

R D M Environmental

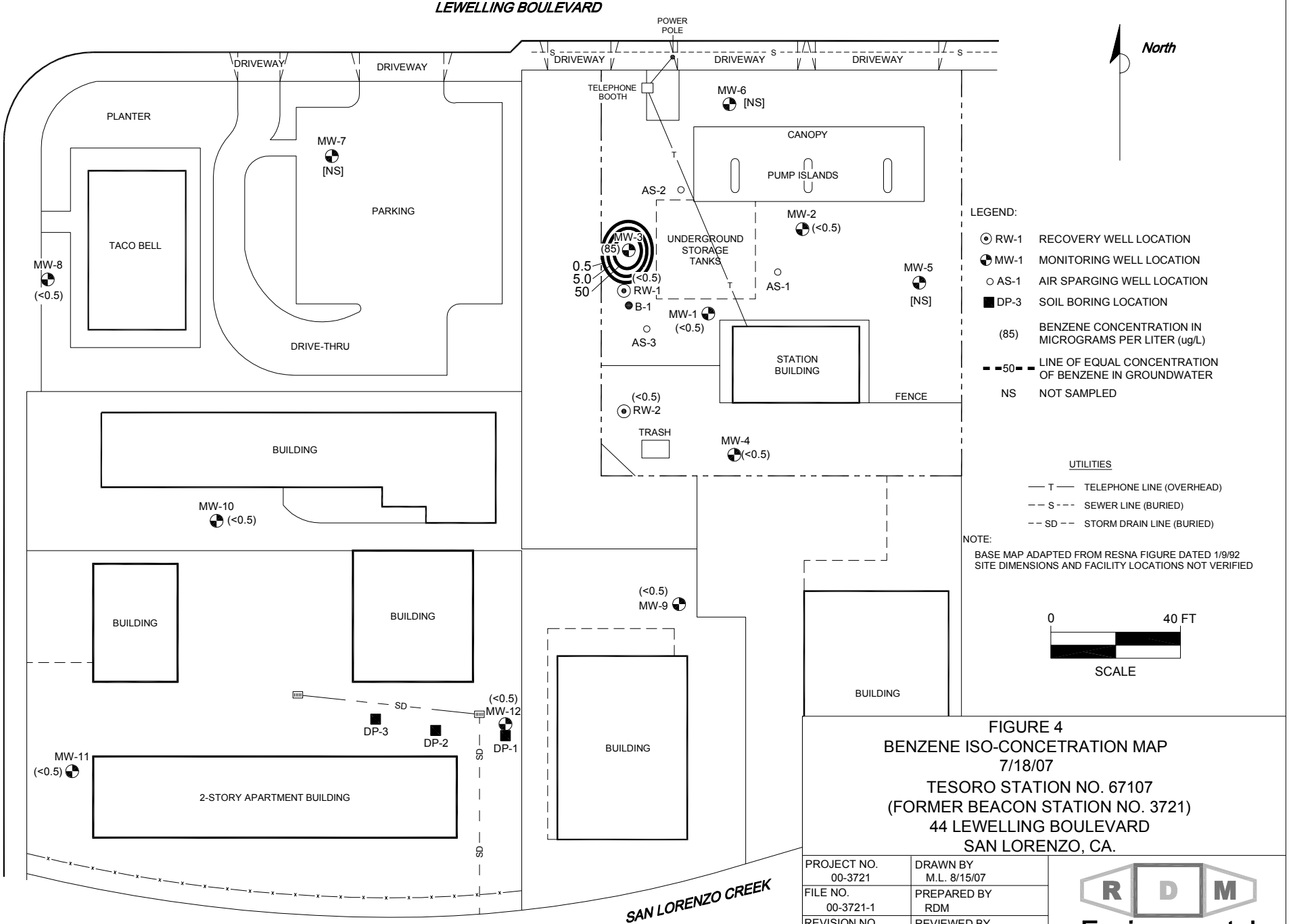



FIGURE 4
BENZENE ISO-CONCETRATION MAP
7/18/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 8/15/07 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 1 | REVIEWED BY |

RDM Environmental

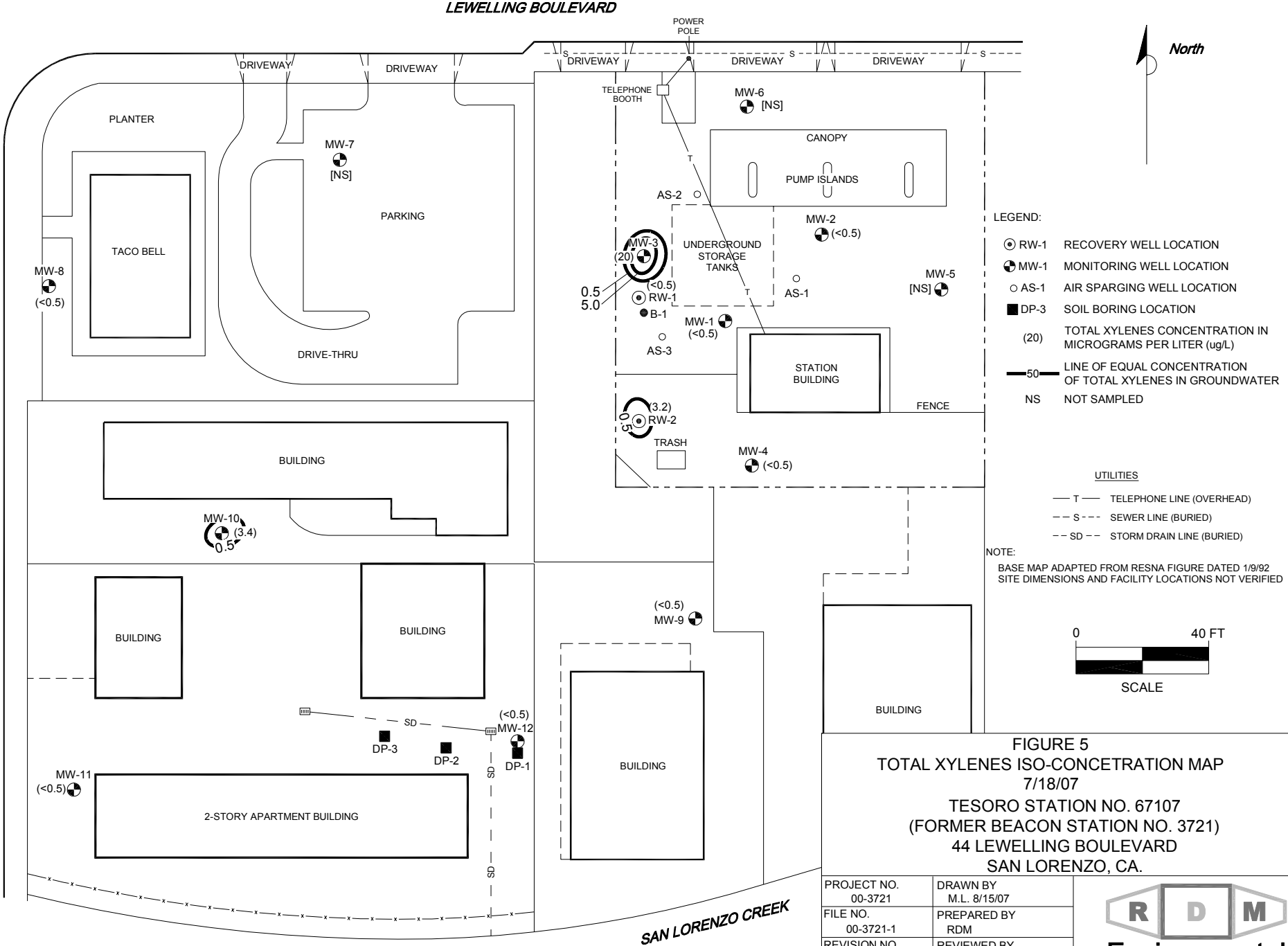



FIGURE 5
TOTAL XYLENES ISO-CONCETRATION MAP
7/18/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 8/15/07 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 1 | REVIEWED BY |

RDM Environmental

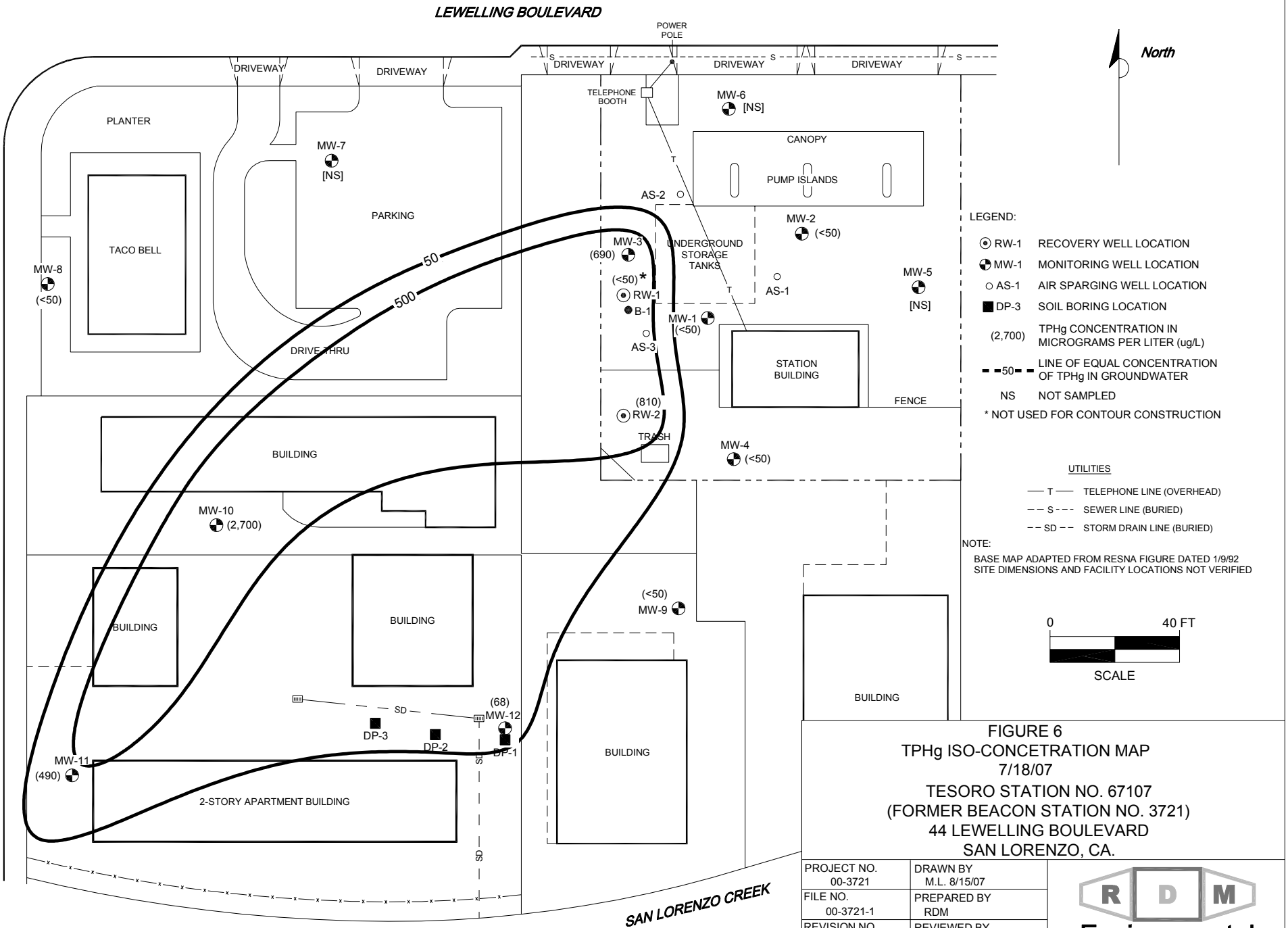



FIGURE 6
TPHg ISO-CONCETRATION MAP
7/18/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 8/15/07 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 1 | REVIEWED BY |

RDM Environmental

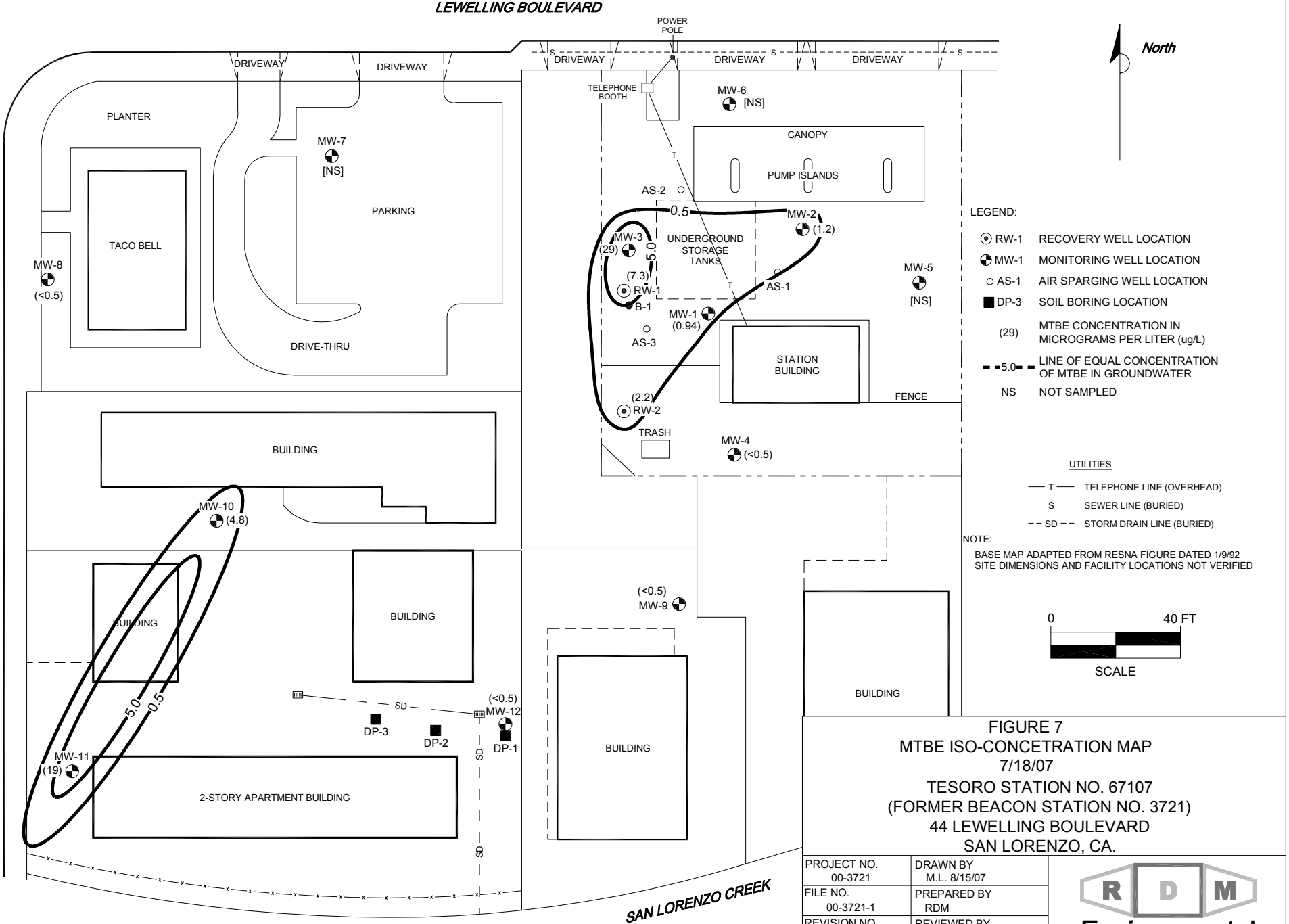



FIGURE 7
MTBE ISO-CONCETRATION MAP
7/18/07
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

| | |
|---|---|
| PROJECT NO. 00-3721 | DRAWN BY M.L. 8/15/07 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 1 | REVIEWED BY |

RDM Environmental

# Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Sampling

# RDM ENVIRONMENTAL
GROUND WATER LEVEL DATA

Project Address: Tesoro Station 67107
44 Lewelling Boulevard

Technicians : MJ ~~SB~~/DH

Date: ~~4/30/2007~~ 7/18/07

Project Number: 02-67107

Cat. Box DIA.

| | Well Number | DTW | Sample Order | Time | Depth to Water | Total Depth | ~~Depth to Product~~ | ~~Product Thickness~~ | Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1115 | MW-1 | ~~7~~ | ~~5~~ | 0819 | 16.90 | 33.64 | 8.04 | 2" | |
| 1050 | MW-2 | ~~8~~ | ~~4~~ | 0820 | 15.96 | 34.35 | 8.83 | 2" | |
| 1305 | MW-3R | ~~14~~ | 11 | 0843 | 23.11 | 30.00 | | 6" | |
| 1012 | MW-4 | ~~9~~ | ~~8~~ | 0817 | 17.81 | 24.45 | 3.19 | 2" | |
| | ~~MW-5~~ | ~~2~~ | | 0806 | 16.80 | 19.30 | — | 2" | |
| | ~~MW-6~~ | ~~3~~ | | 0808 | 15.53 | 28.43 | — | 2" | |
| | ~~MW-7~~ | ~~1~~ | | 0804 | 14.92 | 24.17 | — | 2" | |
| 0952 | MW-8 | ~~4~~ | ~~2~~ | 0812 | 15.80 | 22.99 | 3.45 | 2" | |
| 0923 | MW-9 | ~~5~~ | ~~1~~ | 0815 | 18.15 | 23.57 | 2.60 | 2" | |
| 1230 | MW-10 | ~~10~~ | 10 | 0840 | 15.91 | 29.40 | 6.48 | 2" | |
| 1205 | MW-11 | ~~11~~ | 8 | 0830 | 18.71 | 29.34 | 5.10 | 2" | |
| 1139 | MW-12 | ~~6~~ | 7 | 0823 | 14.00 | 28.50 | 5.84 | 2" | |
| 1300 | RW-1 | ~~10~~ | 6 | 0826 | 30.72 | 34.10 | | 6" | |
| 1310 | RW-2 | ~~12~~ | 9 | 0834 | 17.95 | 30.00 | | 6" | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

| | | | |
|---|---|---|---|
| Client: | Tesoro | Sample Data: | 7/18/2007 |
| Site: | Tesor Station 67107 | Project Number: | 02-67107 |
| | 44 Lewelling Blvd, San Lorenzo, CA | **Well Designation:** | MW-1 |
| Signature: | | | |

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | (Yes) No | Time: | 0819 hours |
| Standing water | Yes (No) | above or below casing | |
| Top of well level | (Yes) No | Remark: | |
| Well cap & locked | (Yes) No | Remark: | |
| Height of Riser | 6" | | |
| Well Box | 8" (12") 24" | Type of well box | not marked |

## Purging/Sampling Equipment

### Purging -

| | | | |
|---|---|---|---|
| 2" Disposable Bailer | | Submersible Pump | |
| 2" PVC Bailer | | Dedicated Bailer | |
| 4" PVC Bailers | | Centrifugal Pump | ~~X~~ |
| | | Peristaltic | X |

### Sampling -

| | | | | | |
|---|---|---|---|---|---|
| Disposable Bailer | | Teflon Bailer | | Disposable Tubing | 1 |

## 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 | 8.04 |
| Time: | 0819 | Time: | | Actual Purge | 1.5x2 |
| Depth of Well | 33.44 | Depth to Water | | | |
| Depth to Water | 16.90 | | | | |

## Sample

Start Purge: 1055 Sample Time: 1115

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1100 | 68.6 | 7.25 | 691 | 1.61 | -134 | 1.5 | | |
| 1105 | 68.5 | 7.19 | 698 | 1.56 | -144 | 1.5 | | |
| 1110 | 68.7 | 7.18 | 704 | 1.64 | -143 | 1.5 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear Lock: OK

## Equipment Replacement

Lock: OK Well Cap: OK Bolts: OK Box: OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesor Station 67107
44 Lewelling Blvd, San Lorenzo, CA
Signature:

Sample Data: 7/6/2007
Project Number: 02-67107
**Well Designation:** mw-2

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | (Yes) No | Time: | 0820 hours |
| Standing water | Yes (No) | above or below casing | |
| Top of well level | (Yes) No | Remark: | |
| Well cap & locked | (Yes) No | Remark: | |
| Height of Riser | 4" | | |
| Well Box 8" 12" (24") | Type of well box | Not marked. | |

## Purging/Sampling Equipment

### Purging -

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

### Sampling -

| | | | | | |
|---|---|---|---|---|---|
| Disposable Bailer | | Teflon Bailer | | Disposable Tubing | X |

### Well Purging

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

| | | | | | |
|---|---|---|---|---|---|
| Initial Measurement | | Recharge Measurement | | Calculated Purge | 8.83 |
| Time: | 0820 | Time: | | Actual Purge | 1.5N |
| Depth of Well | 34.35 | Depth to Water | | | |
| Depth to Water | 15.96 | | | | |

### Sample

Start Purge: 1029 Sample Time: 1050

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1034 | 69.1 | 7.26 | 608 | 1.37 | 55 | 0.5 | | |
| 1039 | 68.9 | 7.27 | 607 | 1.29 | 57 | 0.5 | | |
| 1044 | 68.8 | 7.23 | 608 | 1.31 | 56 | 0.5 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. Lock: ok

### Equipment Replacement

Lock: ok Well Cap: ok Bolts: ok Box: ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesor Station 67107
44 Lewelling Blvd, San Lorenzo, CA
Signature:

Sample Data: 7/18/2007
Project Number: 02-67107
**Well Designation:** MW-4

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | Yes (No) | Time: | 0817 hours |
| Standing water | Yes (No) | above or below casing | |
| Top of well level | (Yes) No | Remark: | |
| Well cap & locked | (Yes) No | Remark: | |
| Height of Riser | 2" | | |
| Well Box | 8" (12") 24" | Type of well box | Divers. Fred Well Prod. |

## Purging/Sampling Equipment

### Purging -

| | | | |
|---|---|---|---|
| 2" Disposable Bailer | | Submersible Pump | |
| 2" PVC Bailer | | Dedicated Bailer | |
| 4" PVC Bailers | | Centrifugal Pump | |
| | | Peristal. 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 | 3.19 |
| Time: | 0817 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 24.45 | Depth to Water | | | |
| Depth to Water | 17.81 | | | | |

## Sample

Start Purge: 0956 Sample Time: 1012

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1000 | 67.4 | 7.30 | 823 | 2.13 | -54 | 0.3 | | |
| 1004 | 66.9 | 7.26 | 832 | 1.99 | -55 | 0.3 | | |
| 1008 | 66.6 | 7.27 | 839 | 1.97 | -56 | 0.3 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. Lock: ok

## Equipment Replacement

Lock: ok Well Cap: ok Bolts: ok Box: ok

Remarks: Id broken.

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

| | | | |
|---|---|---|---|
| Client: | Tesoro | Sample Data: | 7/16/2007 |
| Site: | Tesor Station 67107 | Project Number: | 02-67107 |
| | 44 Lewelling Blvd, San Lorenzo, CA | **Well Designation:** | mw-8 |
| Signature: | BK | | |

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | (Yes) No | Time: | 0912 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 | | |
| Well Box | 8" (12") 24" | Type of well box | Morrison Dubuque |

## Purging/Sampling Equipment

### Purging -

| | | | |
|---|---|---|---|
| 2" Disposable Bailer | | Submersible Pump | |
| 2" PVC Bailer | | Dedicated Bailer | |
| 4" PVC Bailers | | Centrifugal Pump | |
| | | Peristal. 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 | 3.45 |
| Time: | 0812 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 22.99 | Depth to Water | | | |
| Depth to Water | 15.80 | | | | |

## Sample

Start Purge 0932 Sample Time 0952

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 0940 | 68.5 | 7.31 | 544 | 1.49 | -93 | 0.4 | | |
| 0944 | 68.3 | 7.28 | 564 | 1.56 | -85 | 0.4 | | |
| 0948 | 64.3 | 7.24 | 562 | 1.57 | -86 | 0.4 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance clear Lock ok

## Equipment Replacement

Lock ok Well Cap ok Bolts ok Box ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesor Station 67107
44 Lewelling Blvd, San Lorenzo, CA
Signature:

Sample Data: 7/18/2007
Project Number: 02-67107
**Well Designation:** MW-9

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | (Yes) No | Time: | 0815 hours |
| Standing water | (Yes) No | above or (below) casing | |
| Top of well level | (Yes) No | Remark: | |
| Well cap & locked | (Yes) No | Remark: | |
| Height of Riser | 2" | | |
| Well Box 8" (12") 24" | Type of well box | Diversified Well Prod. | |

## Purging/Sampling Equipment

### Purging -

| | | | |
|---|---|---|---|
| 2" Disposable Bailer | | Submersible Pump | |
| 2" PVC Bailer | | Dedicated Bailer | |
| 4" PVC Bailers | | Centrifugal Pump | |
| | | Peristal. 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 | 2.60 |
| Time: | 0815 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 23.57 | Depth to Water | | | |
| Depth to Water | 18.15 | | | | |

## Sample

Start Purge 0907 Sample Time 0923

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 0911 | 66.6 | 7.33 | 1202 | 1.60 | -15 | 0.5 | | |
| 0915 | 66.5 | 7.26 | 1129 | 1.65 | -15 | 0.5 | | |
| 0919 | 66.6 | 7.23 | 1142 | 1.63 | -15 | 0.5 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. Lock: ok

## Equipment Replacement

Lock: ok Well Cap: ok Bolts: -1 Box: ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesor Station 67107
44 Lewelling Blvd, San Lorenzo, CA
Signature:

Sample Data: 7/18/2007
Project Number: 02-67107
**Well Designation:** MW-10

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | Yes (No) | Time: 0840 | 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 | | |
| Well Box (8") 12" 24" | Type of well box | Morrison Debuque | |

## Purging/Sampling Equipment

### Purging -

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

### Sampling -

| | | | | | |
|---|---|---|---|---|---|
| Disposable Bailer | | Teflon Bailer | | Disposable Tubing | X |

## Well Purging

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

| | | | | | |
|---|---|---|---|---|---|
| Initial Measurement | | Recharge Measurement | | Calculated Purge | 6.48 |
| Time: | 0840 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 29.40 | Depth to Water | | | |
| Depth to Water | 15.91 | | | | |

## Sample

Start Purge: 1212 Sample Time: 1230

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1216 | 69.7 | 7.26 | 1663 | 1.47 | -22 | 1.3 | | |
| 1220 | 69.6 | 7.19 | 643 | 1.38 | -23 | 1.3 | | |
| 1224 | 69.6 | 7.18 | 663 | 1.40 | -23 | 1.3 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. Lock: ok

## Equipment Replacement

Lock: ok Well Cap: ok Bolts: -3 Box: ok

Remarks:

Client: Tesoro | Sample Data: 7/12/2007
Site: Tesor Station 67107 | Project Number: 02-67107
44 Lewelling Blvd, San Lorenzo, CA | **Well Designation:** MW-11
Signature:

## Well Box Condition/Traffic

| | | | |
|---|---|---|---|
| Traffic Control | (Yes) No | Time: | 0630 hours |
| Standing water | Yes (No) | above or below casing | |
| Top of well level | (Yes) No | Remark: | |
| Well cap & locked | (Yes) No | Remark: | |
| Height of Riser | 6" | | |
| Well Box (8") 12" 24" | | Type of well box | Marcrison Dubuque. |

## Purging/Sampling Equipment

### Purging -

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

### Sampling -

| | | | | | |
|---|---|---|---|---|---|
| Disposable Bailer | | Teflon Bailer | | Disposable Tubing | X |

## Well Purging

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

| | | | | | |
|---|---|---|---|---|---|
| Initial Measurement | | Recharge Measurement | | Calculated Purge | 5.10 |
| Time: | 0630 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 29.34 | Depth to Water | | | |
| Depth to Water | 18.71 | | | | |

## Sample

Start Purge 1145 | Sample Time 1205

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1149 | 67.4 | 7.34 | 685 | 1.24 | -185 | 0 | | |
| 1153 | 67.3 | 7.26 | 698 | 1.19 | -200 | 0 | | |
| 1157 | 67.3 | 7.19 | 700 | 1.21 | -201 | 0 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. | Lock: ok

## Equipment Replacement

Lock: ok | Well Cap: ok | Bolts: -1 2 Shared | Box: ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client: Tesoro
Site: Tesor Station 67107
44 Lewelling Blvd, San Lorenzo, CA
Signature:

Sample Data: 7/14/2007
Project Number: 02-67107
**Well Designation:** MW-12

## Well Box Condition/Traffic

| | | | | |
|---|---|---|---|---|
| Traffic Control | Yes | No | Time: | 0823 hours |
| Standing water | Yes | No | above or below casing | |
| Top of well level | Yes | No | Remark: | |
| Well cap & locked | Yes | No | Remark: | missing lock |
| Height of Riser | 6" | | | |
| Well Box (8") 12" 24" | | | Type of well box | Morrison Dubuque |

## Purging/Sampling Equipment

### Purging -

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

### Sampling -

| | | | | | |
|---|---|---|---|---|---|
| Disposable Bailer | | Teflon Bailer | | Disposable Tubing | Y |

## 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 | 5.04 |
| Time: | 0823 | Time: | | Actual Purge | 1.50 |
| Depth of Well | 24.50 | Depth to Water | | | |
| Depth to Water | 18.00 | | | | |

## Sample

Start Purge: 1121 Sample Time: 1139

| Time | Temperature | pH | E.C. | D.O. | ORP | Fe+2 | | Volume |
|---|---|---|---|---|---|---|---|---|
| 1125 | 67.3 | 7.39 | 835 | 1.42 | -101 | 0.0 | | |
| 1129 | 67.3 | 7.35 | 829 | 1.34 | -102 | 0.0 | | |
| 1133 | 67.3 | 7.34 | 824 | 1.32 | -103 | 0.0 | | |
| | | | | | | | | |
| | | | | | | | | |

Sample Appearance: Clear. Lock: -1

## Equipment Replacement

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Lock | -1 | Well Cap | ok | Bolts | ok | Box | ok |

Remarks:

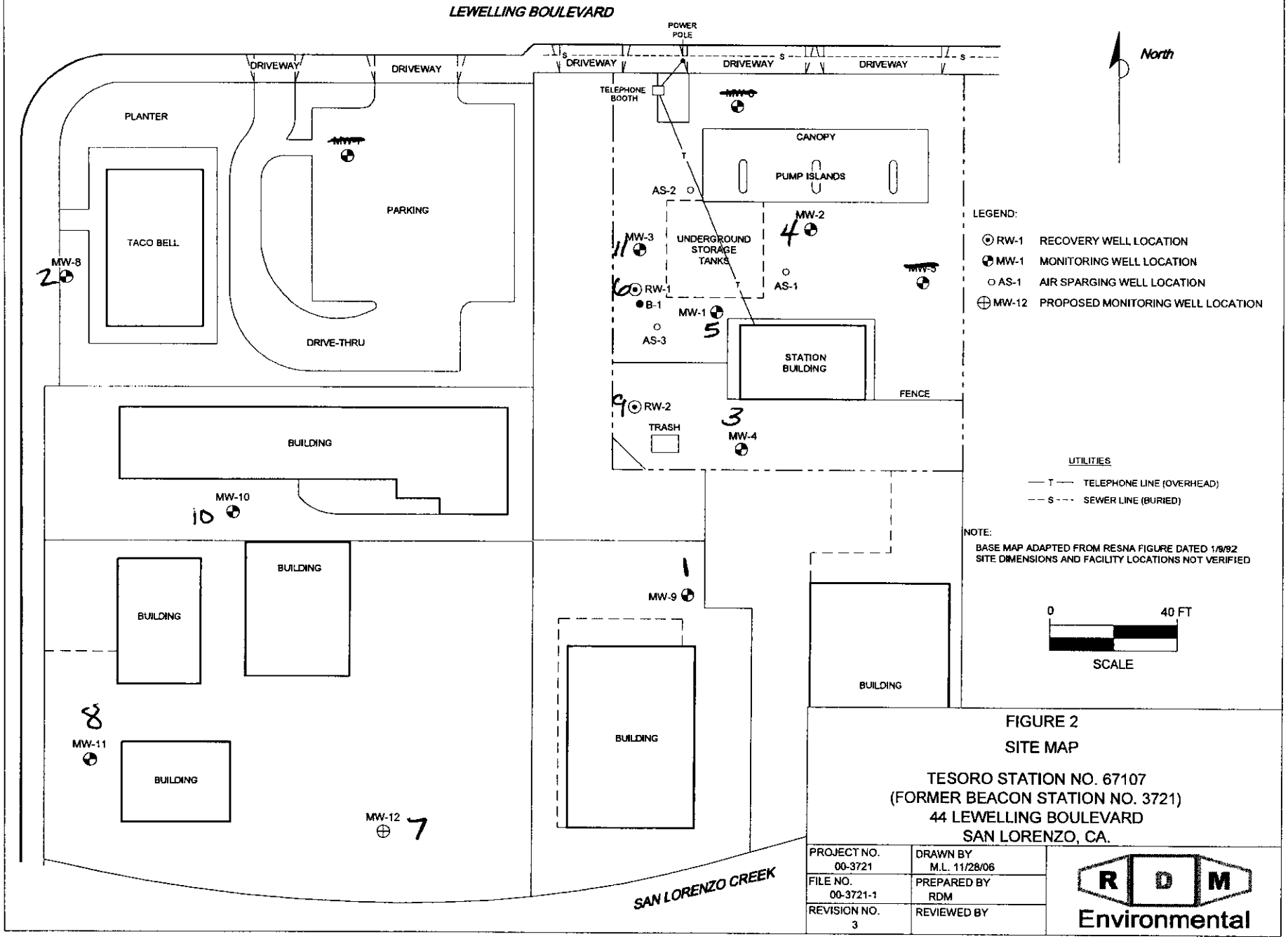



FIGURE 2

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. 11/28/06 |
| FILE NO. 00-3721-1 | PREPARED BY RDM |
| REVISION NO. 3 | REVIEWED BY |

R D M Environmental

# Appendix B

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

KIFF Analytical LLC

Report Number : 57570
Date : 7/24/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 11 Water Samples
Project Name : 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 57570
Date : 7/24/2007

Subject : 11 Water Samples
Project Name : 67107
Project Number : 67107

# Case Narrative

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

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-1** Matrix : Water Lab Number : 57570-01

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Methyl-t-butyl ether (MTBE)** | **0.94** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Tert-Butanol** | **5.5** | 5.0 | ug/L | EPA 8260B | 7/20/2007 |
| **Methanol** | **68** | 50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/20/2007 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 7/20/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/20/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-2** Matrix : Water Lab Number : 57570-02

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Methyl-t-butyl ether (MTBE)** | **1.2** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/20/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/20/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/20/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/20/2007 |
| Toluene - d8 (Surr) | 95.9 | | % Recovery | EPA 8260B | 7/20/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/20/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-3R** Matrix : Water Lab Number : 57570-03

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **85** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **1.5** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **3.6** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **20** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **29** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **17** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **690** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 97.6 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 104 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-4** Matrix : Water Lab Number : 57570-04

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 97.7 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 105 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-8** Matrix : Water Lab Number : 57570-05

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 99.5 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 101 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-9** Matrix : Water Lab Number : 57570-06

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 102 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-10** Matrix : Water Lab Number : 57570-07

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **0.97** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **3.4** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **4.8** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 8.0** | 8.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **2700** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 98.9 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-11** Matrix : Water Lab Number : 57570-08

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **19** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **490** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 101 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 104 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-12** Matrix : Water Lab Number : 57570-09

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **68** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 101 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **RW-1** Matrix : Water Lab Number : 57570-10

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **7.3** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57570

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

Sample : **RW-2** Matrix : Water Lab Number : 57570-11

Sample Date :7/18/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethylbenzene** | **1.1** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Total Xylenes** | **3.2** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Methyl-t-butyl ether (MTBE)** | **2.2** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/24/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **Methanol** | **< 50** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| **Ethanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/24/2007 |
| **TPH as Gasoline** | **810** | 50 | ug/L | EPA 8260B | 7/24/2007 |
| Toluene - d8 (Surr) | 102 | | % Recovery | EPA 8260B | 7/24/2007 |
| 4-Bromofluorobenzene (Surr) | 105 | | % Recovery | EPA 8260B | 7/24/2007 |

Approved By: Joel Kiff

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

Report Number : 57570

Date : 7/24/2007

**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 | 7/21/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/21/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/21/2007 |
| Methanol | < 50 | 50 | ug/L | EPA 8260B | 7/21/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/21/2007 |
| Toluene - d8 (Surr) | 101 | | % | EPA 8260B | 7/21/2007 |
| 4-Bromofluorobenzene (Surr) | 104 | | % | EPA 8260B | 7/21/2007 |
| | | | | | |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/20/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/20/2007 |
| Methanol | < 50 | 50 | ug/L | EPA 8260B | 7/20/2007 |
| Ethanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/20/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/20/2007 |
| Toluene - d8 (Surr) | 96.6 | | % | EPA 8260B | 7/20/2007 |
| 4-Bromofluorobenzene (Surr) | 107 | | % | EPA 8260B | 7/20/2007 |

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| Methanol | < 50 | 50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/23/2007 |
| Toluene - d8 (Surr) | 102 | | % | EPA 8260B | 7/23/2007 |
| 4-Bromofluorobenzene (Surr) | 102 | | % | EPA 8260B | 7/23/2007 |
| | | | | | |
| Ethanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| | | | | | |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/23/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| Methanol | < 50 | 50 | ug/L | EPA 8260B | 7/23/2007 |
| Ethanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/23/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/23/2007 |
| Toluene - d8 (Surr) | 97.6 | | % | EPA 8260B | 7/23/2007 |
| 4-Bromofluorobenzene (Surr) | 104 | | % | EPA 8260B | 7/23/2007 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57570

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 7/24/2007

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 | 57570-01 | <0.50 | 40.0 | 40.0 | 41.5 | 40.2 | ug/L | EPA 8260B | 7/20/07 | 104 | 100 | 3.20 | 70-130 | 25 |
| Toluene | 57570-01 | <0.50 | 40.0 | 40.0 | 42.1 | 40.5 | ug/L | EPA 8260B | 7/20/07 | 105 | 101 | 3.83 | 70-130 | 25 |
| Tert-Butanol | 57570-01 | 5.5 | 200 | 200 | 218 | 216 | ug/L | EPA 8260B | 7/20/07 | 106 | 105 | 0.766 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57570-01 | 0.94 | 40.0 | 40.0 | 41.7 | 40.6 | ug/L | EPA 8260B | 7/20/07 | 102 | 99.2 | 2.68 | 70-130 | 25 |
| Benzene | 57570-02 | <0.50 | 40.0 | 40.0 | 36.5 | 35.4 | ug/L | EPA 8260B | 7/20/07 | 91.3 | 88.6 | 3.01 | 70-130 | 25 |
| Toluene | 57570-02 | <0.50 | 40.0 | 40.0 | 34.0 | 33.7 | ug/L | EPA 8260B | 7/20/07 | 85.1 | 84.3 | 0.878 | 70-130 | 25 |
| Tert-Butanol | 57570-02 | <5.0 | 200 | 200 | 193 | 176 | ug/L | EPA 8260B | 7/20/07 | 96.4 | 87.8 | 9.42 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57570-02 | 1.2 | 40.0 | 40.0 | 34.3 | 34.8 | ug/L | EPA 8260B | 7/20/07 | 82.8 | 84.2 | 1.57 | 70-130 | 25 |
| Benzene | 57605-16 | <0.50 | 40.0 | 40.0 | 40.3 | 38.6 | ug/L | EPA 8260B | 7/23/07 | 101 | 96.6 | 4.33 | 70-130 | 25 |
| Toluene | 57605-16 | <0.50 | 40.0 | 40.0 | 38.9 | 37.8 | ug/L | EPA 8260B | 7/23/07 | 97.3 | 94.5 | 2.92 | 70-130 | 25 |
| Tert-Butanol | 57605-16 | <5.0 | 200 | 200 | 193 | 207 | ug/L | EPA 8260B | 7/23/07 | 96.5 | 104 | 7.10 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57605-16 | 0.55 | 40.0 | 40.0 | 37.0 | 36.2 | ug/L | EPA 8260B | 7/23/07 | 91.1 | 89.2 | 2.11 | 70-130 | 25 |
| Benzene | 57605-11 | <0.50 | 40.0 | 40.0 | 43.8 | 42.6 | ug/L | EPA 8260B | 7/23/07 | 110 | 106 | 3.00 | 70-130 | 25 |
| Toluene | 57605-11 | <0.50 | 40.0 | 40.0 | 41.7 | 40.8 | ug/L | EPA 8260B | 7/23/07 | 104 | 102 | 2.05 | 70-130 | 25 |
| Tert-Butanol | 57605-11 | <5.0 | 200 | 200 | 217 | 220 | ug/L | EPA 8260B | 7/23/07 | 108 | 110 | 1.31 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57605-11 | <0.50 | 40.0 | 40.0 | 41.1 | 40.7 | ug/L | EPA 8260B | 7/23/07 | 103 | 102 | 1.04 | 70-130 | 25 |
| Benzene | 57605-17 | <0.50 | 40.0 | 40.0 | 42.6 | 42.2 | ug/L | EPA 8260B | 7/23/07 | 106 | 105 | 0.878 | 70-130 | 25 |
| Toluene | 57605-17 | <0.50 | 40.0 | 40.0 | 40.6 | 40.7 | ug/L | EPA 8260B | 7/23/07 | 102 | 102 | 0.216 | 70-130 | 25 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57570

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 7/24/2007

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tert-Butanol | 57605-17 | <5.0 | 200 | 200 | 211 | 209 | ug/L | EPA 8260B | 7/23/07 | 105 | 105 | 0.681 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57605-17 | 0.53 | 40.0 | 40.0 | 40.3 | 40.7 | ug/L | EPA 8260B | 7/23/07 | 99.5 | 100 | 0.982 | 70-130 | 25 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57570

**QC Report : Laboratory Control Sample (LCS)**

Date : 7/24/2007

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 | 7/20/07 | 98.6 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/20/07 | 101 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/20/07 | 105 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/20/07 | 99.2 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/20/07 | 95.9 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/20/07 | 89.5 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/20/07 | 91.6 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/20/07 | 89.9 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 95.6 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 98.0 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/23/07 | 97.8 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/23/07 | 92.2 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 108 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 103 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/23/07 | 106 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/23/07 | 103 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 107 | 70-130 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57570

**QC Report : Laboratory Control Sample (LCS)**

Date : 7/24/2007

Project Name : **67107**

Project Number : **67107**

| Parameter | Spike Level | Units | Analysis Method | Date Analyzed | LCS Percent Recov. | LCS Percent Recov. Limit |
|---|---|---|---|---|---|---|
| Toluene | 40.0 | ug/L | EPA 8260B | 7/23/07 | 99.8 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/23/07 | 106 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/23/07 | 101 | 70-130 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

# Analysis Summary

Report Number : 57570

Date : 7/24/2007

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-8 | | MW-9 | | MW-10 | | MW-11 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date | 7/18/2007 | 7/18/2007 | | 7/18/2007 | | 7/18/2007 | | 7/18/2007 | | 7/18/2007 | | 7/18/2007 | | 7/18/2007 | |
| 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 | **85** | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Toluene | EPA 8260B | ug/L | | 0.50 | ND | 0.50 | ND | 0.50 | **1.5** | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | **0.97** | 0.50 | ND |
| Ethylbenzene | EPA 8260B | ug/L | | 0.50 | ND | 0.50 | ND | 0.50 | **3.6** | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Total Xylenes | EPA 8260B | ug/L | | 0.50 | ND | 0.50 | ND | 0.50 | **20** | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | **3.4** | 0.50 | ND |
| Methyl-t-butyl ether (MTBE) | EPA 8260B | ug/L | | 0.50 | **0.94** | 0.50 | **1.2** | 0.50 | **29** | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | **4.8** | 0.50 | **19** |
| 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 | **5.5** | 5.0 | ND | 5.0 | **17** | 5.0 | ND | 5.0 | ND | 5.0 | ND | 5.0 | ND | 5.0 | ND |
| Methanol | EPA 8260B | ug/L | | 50 | **68** | 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 | 8.0 | ND | 5.0 | ND |
| TPH as Gasoline | EPA 8260B | ug/L | | 50 | ND | 50 | ND | 50 | **690** | 50 | ND | 50 | ND | 50 | ND | 50 | **2700** | 50 | **490** |
| Toluene - d8 (Surr) | EPA 8260B | % | | | 100 | | 95.9 | | 97.6 | | 97.7 | | 99.5 | | 100 | | 98.9 | | 101 |
| 4-Bromofluorobenzene (Surr) | EPA 8260B | % | | | 103 | | 103 | | 104 | | 105 | | 101 | | 102 | | 103 | | 104 |

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

KIFF Analytical LLC

# Analysis Summary

Report Number : 57570

Date : 7/24/2007

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

Project Name :67107
Project Number : 67107

| | | | Sample Name | MW-12 | RW-1 | | RW-2 | |
|---|---|---|---|---|---|---|---|---|
| | | | Sample Date | 7/18/2007 | 7/18/2007 | | 7/18/2007 | |
| Analyte | Method | Units | MRL | Results | MRL | Results | MRL | Results |
| Benzene | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Toluene | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Ethylbenzene | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | **1.1** |
| Total Xylenes | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | **3.2** |
| Methyl-t-butyl ether (MTBE) | EPA 8260B | ug/L | 0.50 | ND | 0.50 | **7.3** | 0.50 | **2.2** |
| 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 |
| Methanol | EPA 8260B | ug/L | 50 | ND | 50 | ND | 50 | ND |
| Ethanol | EPA 8260B | ug/L | 5.0 | ND | 5.0 | ND | 5.0 | ND |
| TPH as Gasoline | EPA 8260B | ug/L | 50 | **68** | 50 | ND | 50 | **810** |
| Toluene - d8 (Surr) | EPA 8260B | % | | 101 | | 102 | | 102 |
| 4-Bromofluorobenzene (Surr) | EPA 8260B | % | | 103 | | 103 | | 105 |

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

# CALIFORNIA LABORATORY SERVICES

**3249 Fitzgerald Road Rancho Cordova, CA 95742**


July 27, 2007

**CLS Work Order #: CQG0652**
**COC #: 57570**

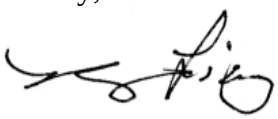
Troy Turpen
KIFF Analytical
2795 Second St. Suite 300
Davis, CA 95616

**Project Name: 67107**

Enclosed are the results of analyses for samples received by the laboratory on 07/19/07 14:40. 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 | Project: 67107 | |
| 2795 Second St. Suite 300 | Project Number: 67107 | **CLS Work Order #: CQG0652** |
| Davis, CA 95616 | Project Manager: Troy Turpen | COC #: 57570 |

CQG0652

KIFF Analytical LLC

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

California Lab Services
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
tel: (916) 638-7301 Lab No. 57570 Page 1 of 2

Project Contact (Hardcopy or PDF to): Troy Turpen
Company/Address: Kiff Analytical
Phone No.: FAX No.:
Project Number: 67107 P.O. No.: 57570
Project Name: 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):
E-mail address: inbox@kiffanalytical.com

**Chain-of-Custody Record and Analysis Request**

| Sample Designation | Sampling Date | Sampling Time | Container: Glass | Container: Poly | Container: Sleeve | Container: Amber | Container: Tedlar | Preservative: $HNO_3$ | Preservative: $H_2SO_4$ | Preservative: $Na_2S_2O_3$ | Preservative: ZnAc & NaOH | Preservative: NONE | Matrix: WATER | Matrix: SOIL | Matrix: Air | Analysis Request: Alkalinity | Analysis Request: T.O.C. | Analysis Request: Dissolved CO2 | Analysis Request: Total Iron | Date due: July 26, 2007 | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 7/18/07 | 11:15 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-2 | 7/18/07 | 10:50 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-3R | 7/18/07 | 13:05 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-4 | 7/18/07 | 10:12 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-8 | 7/18/07 | 09:52 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-9 | 7/18/07 | 09:23 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-10 | 7/18/07 | 12:30 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-11 | 7/18/07 | 12:05 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| MW-12 | 7/18/07 | 11:39 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |
| RW-1 | 7/18/07 | 13:00 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X | |

Relinquished by: Date 7/19/07 Time 1430 Received by:
Relinquished by: Date Time Received by:
Relinquished by: Date Time Received by Laboratory: 7/19/07 1440 3°

Remarks:
Bill to: Accounts Payable

p.1 5302974802 Kiff Analytical Jul 19 07 02:21p

# CALIFORNIA LABORATORY SERVICES



| | | |
|---|---|---|
| KIFF Analytical | Project: 67107 | |
| 2795 Second St. Suite 300 | Project Number: 67107 | **CLS Work Order #: CQG0652** |
| Davis, CA 95616 | Project Manager: Troy Turpen | COC #: 57570 |

CQG0652

**KIFF Analytical LLC**

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

California Lab Services
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
tel: (916) 638-7301 Lab No. 57570 Page 2 of 2

**Chain-of-Custody Record and Analysis Request**

Project Contact (Hardcopy or PDF to): Troy Turpen
Company/Address: Kiff Analytical
Phone No.: FAX No.:
Project Number: 67107 P.O. No.: 57570
Project Name: 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):
E-mail address: inbox@kiffanalytical.com

Analysis Request — Date due: July 26, 2007

| Sample Designation | Sampling Date | Sampling Time | Container: Glass | Container: Poly | Container: Sleeve | Container: Amber | Container: Tedlar | Preservative: $HNO_3$ | Preservative: $H_2SO_4$ | Preservative: $Na_2S_2O_3$ | Preservative: ZnAc & NaOH | Preservative: NONE | Matrix: WATER | Matrix: SOIL | Matrix: Air | Alkalinity | T O C | Dissolved CO2 | Total Iron | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW-2 | 7/18/07 | 13:10 | 1 | 3 | | | | 1 | 1 | | | 2 | X | | | X | X | X | X | X |

Relinquished by: Kiff Analytical — Date 07/19/07 — Time 1440 — Received by:
Relinquished by: — Date — Time 1430 — Received by:
Relinquished by: — Date — Time — Received by Laboratory: Will Outlaw 7/19/07 1440 3°

Remarks:

Bill to: Accounts Payable

p.2 5302974802 Kiff Analytical Jul 19 07 02:21p

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Conventional Chemistry Parameters by APHA/EPA Methods

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (CQG0652-01) Water** | **Sampled: 07/18/07 11:15** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **320** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **320** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **41** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **5.3** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-2 (CQG0652-02) Water** | **Sampled: 07/18/07 10:50** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **260** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **260** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **40** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **5.9** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-3R (CQG0652-03) Water** | **Sampled: 07/18/07 13:05** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **420** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **420** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **73** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **8.7** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-4 (CQG0652-04) Water** | **Sampled: 07/18/07 10:12** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **260** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **260** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **51** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **6.4** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Conventional Chemistry Parameters by APHA/EPA Methods

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-8 (CQG0652-05) Water** | **Sampled: 07/18/07 09:52** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **250** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **250** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **43** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **5.6** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-9 (CQG0652-06) Water** | **Sampled: 07/18/07 09:23** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **380** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **380** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **66** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **6.7** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-10 (CQG0652-07) Water** | **Sampled: 07/18/07 12:30** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **340** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **340** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **53** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **8.0** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **MW-11 (CQG0652-08) Water** | **Sampled: 07/18/07 12:05** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **430** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **430** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **82** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **4.0** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Conventional Chemistry Parameters by APHA/EPA Methods

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-12 (CQG0652-09) Water** | **Sampled: 07/18/07 11:39** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **370** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **370** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Carbon Dioxide as CO2 | ND | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **6.0** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **RW-1 (CQG0652-10) Water** | **Sampled: 07/18/07 13:00** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **350** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **350** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **65** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| **Total Organic Carbon** | **3.1** | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |
| **RW-2 (CQG0652-11) Water** | **Sampled: 07/18/07 13:10** | **Received: 07/19/07 14:40** | | | | | | | |
| **Total Alkalinity** | **340** | 5.0 | mg/L | 1 | CQ06130 | 07/24/07 | 07/24/07 | SM2310B | |
| **Bicarbonate as CaCO3** | **340** | 5.0 | " | " | " | " | " | " | |
| Carbonate as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| Hydroxide as CaCO3 | ND | 5.0 | " | " | " | " | " | " | |
| **Carbon Dioxide as CO2** | **50** | 5.0 | " | " | CQ06106 | 07/23/07 | 07/23/07 | SM 4500C | |
| Total Organic Carbon | ND | 1.0 | " | " | CQ06071 | 07/23/07 | 07/23/07 | SM5310B | |

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Metals by EPA 200 Series Methods

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (CQG0652-01) Water** | **Sampled: 07/18/07 11:15** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **650** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-2 (CQG0652-02) Water** | **Sampled: 07/18/07 10:50** | **Received: 07/19/07 14:40** | | | | | | | |
| Iron | ND | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-3R (CQG0652-03) Water** | **Sampled: 07/18/07 13:05** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **29000** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-4 (CQG0652-04) Water** | **Sampled: 07/18/07 10:12** | **Received: 07/19/07 14:40** | | | | | | | |
| Iron | ND | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-8 (CQG0652-05) Water** | **Sampled: 07/18/07 09:52** | **Received: 07/19/07 14:40** | | | | | | | |
| Iron | ND | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-9 (CQG0652-06) Water** | **Sampled: 07/18/07 09:23** | **Received: 07/19/07 14:40** | | | | | | | |
| Iron | ND | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-10 (CQG0652-07) Water** | **Sampled: 07/18/07 12:30** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **870** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-11 (CQG0652-08) Water** | **Sampled: 07/18/07 12:05** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **620** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **MW-12 (CQG0652-09) Water** | **Sampled: 07/18/07 11:39** | **Received: 07/19/07 14:40** | | | | | | | |
| Iron | ND | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |

# CALIFORNIA LABORATORY SERVICES



07/27/07 15:33

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Metals by EPA 200 Series Methods

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **RW-1 (CQG0652-10) Water** | **Sampled: 07/18/07 13:00** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **1400** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |
| **RW-2 (CQG0652-11) Water** | **Sampled: 07/18/07 13:10** | **Received: 07/19/07 14:40** | | | | | | | |
| **Iron** | **39000** | 100 | µg/L | 1 | CQ06041 | 07/20/07 | 07/20/07 | EPA 200.7 | |

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch CQ06071 - General Preparation** | | | | | | | | | | |
| **Blank (CQ06071-BLK1)** | | | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Total Organic Carbon | ND | 1.0 | mg/L | | | | | | | |
| **LCS (CQ06071-BS1)** | | | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Total Organic Carbon | 9.07 | 1.0 | mg/L | 10.0 | | 90.7 | 75-125 | | | |
| **LCS Dup (CQ06071-BSD1)** | | | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Total Organic Carbon | 9.50 | 1.0 | mg/L | 10.0 | | 95.0 | 75-125 | 4.63 | 25 | |
| **Matrix Spike (CQ06071-MS1)** | | **Source: CQG0530-01** | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Total Organic Carbon | 14.5 | 1.0 | mg/L | 10.0 | 4.84 | 96.4 | 75-125 | | | |
| **Matrix Spike Dup (CQ06071-MSD1)** | | **Source: CQG0530-01** | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Total Organic Carbon | 15.6 | 1.0 | mg/L | 10.0 | 4.84 | 108 | 75-125 | 7.57 | 25 | |
| **Batch CQ06106 - General Preparation** | | | | | | | | | | |
| **Blank (CQ06106-BLK1)** | | | | Prepared & Analyzed: 07/23/07 | | | | | | |
| Carbon Dioxide as CO2 | ND | 5.0 | mg/L | | | | | | | |
| **Batch CQ06130 - General Preparation** | | | | | | | | | | |
| **Blank (CQ06130-BLK1)** | | | | Prepared & Analyzed: 07/24/07 | | | | | | |
| Total Alkalinity | ND | 5.0 | mg/L | | | | | | | |
| Bicarbonate as CaCO3 | ND | 5.0 | " | | | | | | | |
| Carbonate as CaCO3 | ND | 5.0 | " | | | | | | | |
| Hydroxide as CaCO3 | ND | 5.0 | " | | | | | | | |

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

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

**CLS Work Order #: CQG0652**
COC #: 57570

## Metals by EPA 200 Series Methods - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch CQ06041 - EPA 3010A** | | | | | | | | | | |
| **Blank (CQ06041-BLK1)** | | | | Prepared & Analyzed: 07/20/07 | | | | | | |
| Iron | ND | 100 | µg/L | | | | | | | |
| **LCS (CQ06041-BS1)** | | | | Prepared & Analyzed: 07/20/07 | | | | | | |
| Iron | 1070 | 100 | µg/L | 1000 | | 107 | 80-120 | | | |
| **LCS Dup (CQ06041-BSD1)** | | | | Prepared & Analyzed: 07/20/07 | | | | | | |
| Iron | 1070 | 100 | µg/L | 1000 | | 107 | 80-120 | 0.373 | 20 | |
| **Matrix Spike (CQ06041-MS1)** | | **Source: CQG0669-02** | | Prepared & Analyzed: 07/20/07 | | | | | | |
| Iron | 1040 | 100 | µg/L | 1000 | 34.7 | 100 | 75-125 | | | |
| **Matrix Spike Dup (CQ06041-MSD1)** | | **Source: CQG0669-02** | | Prepared & Analyzed: 07/20/07 | | | | | | |
| Iron | 1040 | 100 | µg/L | 1000 | 34.7 | 100 | 75-125 | 0.193 | 25 | |

# CALIFORNIA LABORATORY SERVICES



| | | |
|---|---|---|
| KIFF Analytical | Project: 67107 | |
| 2795 Second St. Suite 300 | Project Number: 67107 | **CLS Work Order #: CQG0652** |
| Davis, CA 95616 | Project Manager: Troy Turpen | COC #: 57570 |

## Notes and Definitions

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

**KIFF Analytical LLC**

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

SRG # / Lab No. 57570

Page 1 of 2

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): RICHARD MUNSCH | California EDF Report? ☐ Yes ☐ No |
| Company / Address: ROM Env. | Sampling Company Log Code: |
| Phone #: [redacted] 1134 | Fax #: 916 415 1154 |
| Project #: 071907 | P.O. #: — |
| Project Name: — | Global ID: |
| Project Address: 44 Lewelling Blvd San Lorenzo | EDF Deliverable To (Email Address): |
| | Sampler Signature: |

| Sample Designation | Date | Time | Sampling | Container: 40 ml VOA | Container: Sleeve | Container: Poly | Container: Glass | Container: Tedlar | Preservative: HCl | Preservative: $HNO_3$ | Preservative: None | Preservative: H2SO4 | Matrix: Water | Matrix: Soil | Matrix: Air | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 7/18 | 1115 | | 3 | | 3 | 1 | | X | X | X | X | X | | | 01 |
| MW-2 | | 1050 | | | | | | | | | | | | | | 02 |
| MW-3R | | 1305 | | | | | | | | | | | | | | 03 |
| MW-4 | | 1142 | | | | | | | | | | | | | | 04 |
| MW-8 | | 0952 | | | | | | | | | | | | | | 05 |
| MW-9 | | 0923 | | | | | | | | | | | | | | 06 |
| MW-10 | | 1230 | | | | | | | | | | | | | | 07 |
| MW-11 | | 1205 | | | | | | | | | | | | | | 08 |
| MW-12 | | 1139 | | | | | | | | | | | | | | 09 |
| RW-1 | | 1300 | | | | | | | | | | | | | | 10 |

Analysis Request

| MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb | MTBE (EPA 8260B) @ 0.5 ppb | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (EPA 8260B) | 7 Oxygenates (EPA 8260B) | Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | Total Lead (EPA 6010) | WET Lead (STLC) Alkalinity | Diss. Co2 | Total Fe | T.O.C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | X | X | | X | | | | | | | | X | X | X | X |

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

| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| DOUGLAS HOFF | | | |
| | | | |
| | 071907 | 1210 | Received by Laboratory: |

Remarks: STAT

Email copy to Rom

Bill to: Tesoro Petr. - Anna Wilkinson

For Lab Use Only: Sample Receipt

| Temp °C | Initials | Date | Time | Therm. ID # | Coolant Present |
|---|---|---|---|---|---|
| 2.6 | | 071907 | 1554 | IR 5 | (Yes) / No |

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

**KIFF Analytical LLC**

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

SRG # / Lab No. 57570

Page 2 of 2

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): Richard Munseth | California EDF Report? ☐ Yes ☐ No |
| Company / Address: RDM Env. | Sampling Company Log Code: |
| Phone #: 916 415 1134 / Fax #: 916 415 1154 | Global ID: |
| Project #: 67107 / P.O. #: | EDF Deliverable To (Email Address): |
| Project Name: — | Sampler Signature: |
| Project Address: 444 Lewelling Blvd. San Lorenzo | |

| Sample Designation | Sampling: Date | Sampling: Time | Container: 40 ml VOA | Sleeve | Poly | Glass | Tedlar | | Preservative: HCl | $HNO_3$ | None | $H_2SO_4$ | | Matrix: Water | Soil | Air | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW-2 | 7/18/07 | 1310 | 3 | | 3 | 1 | | | X | X | X | X | | X | | | | |

Analysis Request

| MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb | MTBE (EPA 8260B) @ 0.5 ppb | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (EPA 8260B) | 7 Oxygenates (EPA 8260B) | Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | Total Lead (EPA 6010) | ~~WET Lead~~ Alkalinity | Diss. Lead | Total Fe | Diss. Fe | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | X | X | | X | | | | | | | | X | X | X | X | | 11 |

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

| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| Douglas Hoff | | | |
| Relinquished by: | Date | Time | Received by: |
| | | | |
| Relinquished by: | Date: 07/19/07 | Time: 1210 | Received by Laboratory: |

Remarks: STAT
Email Copy to RDM

Bill to: Tesoro Ref. – Anna Wilkinson

For Lab Use Only: Sample Receipt

| Temp °C | Initials | Date | Time | Therm. ID # | Coolant Present |
|---|---|---|---|---|---|
| - | | | | | Yes / No |

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

# Appendix C

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

KIFF Analytical LLC

Report Number : 57389
Date : 7/12/2007

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 4 Water Samples
Project Name : 67107
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 57389

Date : 7/12/2007

Project Name : **67107**

Project Number : **67107**

Sample : **GW-Inf** Matrix : Water Lab Number : 57389-01

Sample Date :7/5/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **13** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Ethylbenzene** | **0.83** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Total Xylenes** | **4.6** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Methyl-t-butyl ether (MTBE)** | **10** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/10/2007 |
| **TPH as Gasoline** | **200** | 50 | ug/L | EPA 8260B | 7/10/2007 |
| Toluene - d8 (Surr) | 99.7 | | % Recovery | EPA 8260B | 7/10/2007 |
| 4-Bromofluorobenzene (Surr) | 101 | | % Recovery | EPA 8260B | 7/10/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57389

Date : 7/12/2007

Project Name : **67107**

Project Number : **67107**

Sample : **GW-MID** Matrix : Water Lab Number : 57389-02

Sample Date :7/5/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **6.1** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Total Xylenes** | **1.6** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Methyl-t-butyl ether (MTBE)** | **8.8** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/11/2007 |
| **TPH as Gasoline** | **110** | 50 | ug/L | EPA 8260B | 7/11/2007 |
| Toluene - d8 (Surr) | 100 | | % Recovery | EPA 8260B | 7/11/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/11/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57389

Date : 7/12/2007

Project Name : **67107**

Project Number : **67107**

Sample : **GW-EFF** Matrix : Water Lab Number : 57389-03

Sample Date :7/5/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/11/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/11/2007 |
| Toluene - d8 (Surr) | 99.0 | | % Recovery | EPA 8260B | 7/11/2007 |
| 4-Bromofluorobenzene (Surr) | 102 | | % Recovery | EPA 8260B | 7/11/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 57389

Date : 7/12/2007

Project Name : **67107**

Project Number : **67107**

Sample : **MW-12** Matrix : Water Lab Number : 57389-04

Sample Date :7/5/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 7/11/2007 |
| **TPH as Gasoline** | **480** | 50 | ug/L | EPA 8260B | 7/11/2007 |
| Toluene - d8 (Surr) | 101 | | % Recovery | EPA 8260B | 7/11/2007 |
| 4-Bromofluorobenzene (Surr) | 103 | | % Recovery | EPA 8260B | 7/11/2007 |

Approved By: Joel Kiff

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

Report Number : 57389

**QC Report : Method Blank Data**

Date : 7/12/2007

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 | 7/10/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/10/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/10/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/10/2007 |
| Toluene - d8 (Surr) | 99.7 | | % | EPA 8260B | 7/10/2007 |
| 4-Bromofluorobenzene (Surr) | 101 | | % | EPA 8260B | 7/10/2007 |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/11/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/11/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/11/2007 |
| Toluene - d8 (Surr) | 100 | | % | EPA 8260B | 7/11/2007 |
| 4-Bromofluorobenzene (Surr) | 100 | | % | EPA 8260B | 7/11/2007 |

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57389

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 7/12/2007

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 | 57389-01 | 13 | 40.0 | 40.0 | 52.2 | 51.6 | ug/L | EPA 8260B | 7/10/07 | 97.3 | 95.8 | 1.59 | 70-130 | 25 |
| Toluene | 57389-01 | <0.50 | 40.0 | 40.0 | 40.1 | 39.8 | ug/L | EPA 8260B | 7/10/07 | 100 | 99.4 | 0.889 | 70-130 | 25 |
| Tert-Butanol | 57389-01 | <5.0 | 200 | 200 | 204 | 205 | ug/L | EPA 8260B | 7/10/07 | 102 | 102 | 0.255 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57389-01 | 10 | 40.0 | 40.0 | 48.0 | 48.3 | ug/L | EPA 8260B | 7/10/07 | 94.3 | 95.0 | 0.714 | 70-130 | 25 |
| Benzene | 57418-04 | <0.50 | 40.0 | 40.0 | 42.5 | 42.3 | ug/L | EPA 8260B | 7/11/07 | 106 | 106 | 0.410 | 70-130 | 25 |
| Toluene | 57418-04 | <0.50 | 40.0 | 40.0 | 43.1 | 42.6 | ug/L | EPA 8260B | 7/11/07 | 108 | 106 | 1.15 | 70-130 | 25 |
| Tert-Butanol | 57418-04 | <5.0 | 200 | 200 | 216 | 211 | ug/L | EPA 8260B | 7/11/07 | 108 | 106 | 2.36 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 57418-04 | <0.50 | 40.0 | 40.0 | 38.9 | 38.4 | ug/L | EPA 8260B | 7/11/07 | 97.2 | 95.9 | 1.38 | 70-130 | 25 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 57389

**QC Report : Laboratory Control Sample (LCS)**

Date : 7/12/2007

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 | 7/10/07 | 101 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/10/07 | 104 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/10/07 | 97.2 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/10/07 | 102 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/11/07 | 98.0 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/11/07 | 99.0 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/11/07 | 98.6 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/11/07 | 91.2 | 70-130 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

# Analysis Summary

Report Number : 57389

Date : 7/12/2007

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

Project Name :67107
Project Number : 67107

| | | | Sample Name | GW-Inf | | GW-MID | | GW-EFF | | MW-12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date | 7/5/2007 | | 7/5/2007 | | 7/5/2007 | | 7/5/2007 | |
| Analyte | Method | Units | | MRL | Results | MRL | Results | MRL | Results | MRL | Results |
| Benzene | EPA 8260B | ug/L | | 0.50 | **13** | 0.50 | **6.1** | 0.50 | ND | 0.50 | ND |
| Toluene | EPA 8260B | ug/L | | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Ethylbenzene | EPA 8260B | ug/L | | 0.50 | **0.83** | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Total Xylenes | EPA 8260B | ug/L | | 0.50 | **4.6** | 0.50 | **1.6** | 0.50 | ND | 0.50 | ND |
| Methyl-t-butyl ether (MTBE) | EPA 8260B | ug/L | | 0.50 | **10** | 0.50 | **8.8** | 0.50 | ND | 0.50 | ND |
| Diisopropyl ether (DIPE) | EPA 8260B | ug/L | | 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 |
| Tert-amyl methyl ether (TAME) | EPA 8260B | ug/L | | 0.50 | ND | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Tert-Butanol | EPA 8260B | ug/L | | 5.0 | ND | 5.0 | ND | 5.0 | ND | 5.0 | ND |
| TPH as Gasoline | EPA 8260B | ug/L | | 50 | **200** | 50 | **110** | 50 | ND | 50 | **480** |
| Toluene - d8 (Surr) | EPA 8260B | % | | | 99.7 | | 100 | | 99.0 | | 101 |
| 4-Bromofluorobenzene (Surr) | EPA 8260B | % | | | 101 | | 103 | | 102 | | 103 |

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

Calscience Environmental Laboratories, Inc.

July 16, 2007

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

Subject: **Calscience Work Order No.: 07-07-0512**
**Client Reference: 67107**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/10/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter

Calscience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Calscience Environmental Laboratories, Inc.

## Analytical Report

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

Date Received: 07/10/07
Work Order No: 07-07-0512

Project: 67107



| Client Sample Number | Lab Sample Number | Date Collected | Matrix |
|---|---|---|---|
| **GW-Eff** | **07-07-0512-1** | **07/05/07** | **Aqueous** |

| Parameter | Result | RL | DF | Qual | Units | Date Prepared | Date Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 5.0 | 5.0 | 1 | | mg/L | 07/11/07 | 07/11/07 | EPA 410.4 |
| Solids, Total Suspended | ND | 1.0 | 1 | | mg/L | N/A | 07/11/07 | SM 2540 D |

| **Method Blank** | **N/A** | **Aqueous** |
|---|---|---|

| Parameter | Result | RL | DF | Qual | Units | Date Prepared | Date Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | 5.0 | 1 | | mg/L | 07/11/07 | 07/11/07 | EPA 410.4 |
| Solids, Total Suspended | ND | 1.0 | 1 | | mg/L | N/A | 07/11/07 | SM 2540 D |

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

Calscience Environmental Laboratories, Inc.

## Quality Control - Duplicate



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

Date Received: N/A
Work Order No: 07-07-0512

Project: 67107

**Matrix: Aqueous**

| Parameter | Method | QC Sample ID | Date Analyzed | Sample Conc | DUP Conc | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | EPA 410.4 | GW-Eff | 07/11/07 | 5.0 | 5.0 | 0 | 0-25 | |
| Solids, Total Suspended | SM 2540 D | 07-07-0664-1 | 07/11/07 | 3390 | 3310 | 2 | 0-20 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 07-07-0512

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

**KIFF Analytical LLC**

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

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

Lab No. 0512

Page 1 of 1

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? __Yes _X_No

**Chain-of-Custody Record and Analysis Request**

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Phone No.: | FAX No.:

Project Number: 67107 | P.O. No.: 57389

Project Name: 67107

E-mail address: inbox@kiffanalytical.com

Project Address:

| Sample Designation | Sampling | | Container | | | | | Preservative | | | | | Matrix | | | Analysis Request | | | | | | | | Date due: | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date | Time | Glass | Poly | Sleeve | Amber | Tedlar | $HNO_3$ | $H_2SO_4$ | $Na_2S_2O_3$ | $ZnAc_2$ & NaOH | NONE | WATER | SOIL | Air | Total Suspended Solids | COD | | | | | | | | |
| GW-Eff | 7/5/07 | 0900 | | 1 | | 1 | | | 1 | | | 1 | X | | | X | X | | | | | | | July 16, 2007 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| Hardip Kandola Kiff Analytical | 070907 | 1900 | |
| Relinquished by: | Date | Time | Received by: |
| Relinquished by: | Date | Time | Received by Laboratory: |
| | 7/10/07 | 0900 | |

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

**WORK ORDER #: 07 - 07 - 0512**

**Cooler 1 of 1**

# SAMPLE RECEIPT FORM

**CLIENT:** kiff **DATE:** 7-10-07

## 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):**

5.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

## CUSTODY SEAL INTACT:

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

Initial: WB

## SAMPLE CONDITION:

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

Initial: WB

## COMMENTS:

**KIFF Analytical LLC**

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

SRG # / Lab No. 57389

Page 1 of 1

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): RICHARD MUNSEY | California EDF Report? ☐ Yes ☐ No |
| Company / Address: RDM ENV. | Sampling Company Log Code: |
| Phone #: 916 415 1134 / Fax #: 916 415 1154 | Global ID: |
| Project #: 07107 / P.O. #: | EDF Deliverable To (Email Address): |
| Project Name: | Sampler Signature: |
| Project Address: 44 Cewelling San Lorenzo | |

| Sample Designation | Sampling: Date | Sampling: Time | Container: 40 ml VOA | Container: Sleeve | Container: Poly | Container: Glass | Container: Tedlar | Container: | Preservative: HCl | Preservative: $HNO_3$ | Preservative: None | Preservative: $H_2SO_4$ | Matrix: Water | Matrix: Soil | Matrix: Air | Matrix: | Analysis Request: MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb | MTBE (EPA 8260B) @ 0.5 ppb | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (EPA 8260B) | 7 Oxygenates (EPA 8260B) | Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | Total Lead (EPA 6010) | W.E.T. Lead (STLC) | T.S.S. | T.D.S. | | TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-INF | 7/3/07 | 0910 | 3 | | 1 | 1 | | | 3 | | 1 | 1 | X | | | | | | X | X | X | | | | | | | | | | X | X | | | 01 |
| GW-MID | ↓ | 0905 | 3 | | | | | | ‖ | | ‖ | ‖ | ‖ | | | | | | ‖ | ‖ | ‖ | | | | | | | | | | | | | | 02 |
| GW-EFF | | 0900 | 3 | | | | | | ‖ | | ‖ | ‖ | ‖ | | | | | | ‖ | ‖ | ‖ | | | | | | | | | | | | | | 03 |
| MW-12 | ↓ | 0845 | 3 | | | | | | ‖ | | ‖ | ‖ | ‖ | | | | | | ‖ | ‖ | ‖ | | | | | | | | | | | | | | 04 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| 1 Douglas Hoff | | | |
| Relinquished by: | Date | Time | Received by: |
| | | | |
| Relinquished by: | Date | Time | Received by Laboratory: |
| | 070907 | 1021 | Kiff Analytical |

Remarks: ESTAT

Email Copy to RDM

Bill to: Tesoro / Anna Wilkinson

For Lab Use Only: Sample Receipt

| Temp °C | Initials | Date | Time | Therm. ID # | Coolant Present |
|---|---|---|---|---|---|
| 5.6 | CIY | 070907 | 1555 | IR5 | (Yes) / No |

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

KIFF Analytical LLC

Report Number : 58853
Date : 10/10/2007

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,

Joel Kiff

KIFF Analytical LLC

Report Number : 58853
Date : 10/10/2007

Project Name : **Tesoro Station 67107**
Project Number : **67107**

Sample : **GW-Inf** Matrix : Water Lab Number : 58853-01
Sample Date :09/30/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **3.0** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Total Xylenes** | **0.99** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Methyl-t-butyl ether (MTBE)** | **8.4** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 10/04/2007 |
| **TPH as Gasoline** | **67** | 50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene - d8 (Surr) | 99.0 | | % Recovery | EPA 8260B | 10/04/2007 |
| 4-Bromofluorobenzene (Surr) | 104 | | % Recovery | EPA 8260B | 10/04/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 58853

Date : 10/10/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-MID** Matrix : Water Lab Number : 58853-02

Sample Date :09/30/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 10/04/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene - d8 (Surr) | 99.6 | | % Recovery | EPA 8260B | 10/04/2007 |
| 4-Bromofluorobenzene (Surr) | 111 | | % Recovery | EPA 8260B | 10/04/2007 |

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 58853

Date : 10/10/2007

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-Eff** Matrix : Water Lab Number : 58853-03

Sample Date :09/30/2007

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Methyl-t-butyl ether (MTBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Diisopropyl ether (DIPE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Ethyl-t-butyl ether (ETBE)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-amyl methyl ether (TAME)** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| **Tert-Butanol** | **< 5.0** | 5.0 | ug/L | EPA 8260B | 10/04/2007 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene - d8 (Surr) | 98.9 | | % Recovery | EPA 8260B | 10/04/2007 |
| 4-Bromofluorobenzene (Surr) | 110 | | % Recovery | EPA 8260B | 10/04/2007 |

Approved By: Joel Kiff

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

Report Number : 58853

Date : 10/10/2007

**QC Report : Method Blank Data**

Project Name : **Tesoro Station 67107**

Project Number : **67107**

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 10/04/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene - d8 (Surr) | 99.3 | | % | EPA 8260B | 10/04/2007 |
| 4-Bromofluorobenzene (Surr) | 110 | | % | EPA 8260B | 10/04/2007 |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Methyl-t-butyl ether (MTBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Diisopropyl ether (DIPE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Ethyl-t-butyl ether (ETBE) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Tert-amyl methyl ether (TAME) | < 0.50 | 0.50 | ug/L | EPA 8260B | 10/04/2007 |
| Tert-Butanol | < 5.0 | 5.0 | ug/L | EPA 8260B | 10/04/2007 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 10/04/2007 |
| Toluene - d8 (Surr) | 98.6 | | % | EPA 8260B | 10/04/2007 |
| 4-Bromofluorobenzene (Surr) | 105 | | % | EPA 8260B | 10/04/2007 |

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 58853

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 10/10/2007

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 | 58887-10 | <0.50 | 40.0 | 40.0 | 40.3 | 38.9 | ug/L | EPA 8260B | 10/4/07 | 101 | 97.4 | 3.38 | 70-130 | 25 |
| Toluene | 58887-10 | <0.50 | 40.0 | 40.0 | 40.2 | 39.0 | ug/L | EPA 8260B | 10/4/07 | 100 | 97.6 | 2.95 | 70-130 | 25 |
| Tert-Butanol | 58887-10 | <5.0 | 200 | 200 | 214 | 212 | ug/L | EPA 8260B | 10/4/07 | 107 | 106 | 0.516 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 58887-10 | <0.50 | 40.0 | 40.0 | 36.7 | 36.6 | ug/L | EPA 8260B | 10/4/07 | 91.7 | 91.5 | 0.204 | 70-130 | 25 |
| Benzene | 58886-01 | <0.50 | 40.0 | 40.0 | 41.1 | 40.2 | ug/L | EPA 8260B | 10/4/07 | 103 | 100 | 2.26 | 70-130 | 25 |
| Toluene | 58886-01 | <0.50 | 40.0 | 40.0 | 41.2 | 40.2 | ug/L | EPA 8260B | 10/4/07 | 103 | 101 | 2.28 | 70-130 | 25 |
| Tert-Butanol | 58886-01 | <5.0 | 200 | 200 | 203 | 205 | ug/L | EPA 8260B | 10/4/07 | 102 | 102 | 0.745 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 58886-01 | <0.50 | 40.0 | 40.0 | 39.1 | 38.9 | ug/L | EPA 8260B | 10/4/07 | 97.7 | 97.2 | 0.503 | 70-130 | 25 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 58853

**QC Report : Laboratory Control Sample (LCS)**

Date : 10/10/2007

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 | 10/4/07 | 97.4 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 10/4/07 | 99.6 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 10/4/07 | 106 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 10/4/07 | 86.4 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 10/4/07 | 104 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 10/4/07 | 106 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 10/4/07 | 104 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 10/4/07 | 103 | 70-130 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

# Analysis Summary

Report Number : 58853

Date : 10/10/07

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 | 09/30/07 | | 09/30/07 | | 09/30/07 | |
| Analyte | Method | Units | MRL | Results | MRL | Results | MRL | Results |
| Benzene | EPA 8260B | ug/L | 0.50 | **3.0** | 0.50 | ND | 0.50 | ND |
| Toluene | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Ethylbenzene | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Total Xylenes | EPA 8260B | ug/L | 0.50 | **0.99** | 0.50 | ND | 0.50 | ND |
| Methyl-t-butyl ether (MTBE) | EPA 8260B | ug/L | 0.50 | **8.4** | 0.50 | ND | 0.50 | ND |
| Diisopropyl ether (DIPE) | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Ethyl-t-butyl ether (ETBE) | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Tert-amyl methyl ether (TAME) | EPA 8260B | ug/L | 0.50 | ND | 0.50 | ND | 0.50 | ND |
| Tert-Butanol | EPA 8260B | ug/L | 5.0 | ND | 5.0 | ND | 5.0 | ND |
| TPH as Gasoline | EPA 8260B | ug/L | 50 | **67** | 50 | ND | 50 | ND |
| Toluene - d8 (Surr) | EPA 8260B | % | | 99.0 | | 99.6 | | 98.9 |
| 4-Bromofluorobenzene (Surr) | EPA 8260B | % | | 104 | | 111 | | 110 |

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 1

October 10, 2007

The original report has been revised/corrected.

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

Subject: **Calscience Work Order No.: 07-10-0164**
**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 10/3/2007 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter

Calscience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Calscience Environmental Laboratories, Inc.

# Analytical Report



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

Date Received: 10/03/07
Work Order No: 07-10-0164

Project: Tesoro Station 67107



| Client Sample Number | Lab Sample Number | Date Collected | Matrix |
|---|---|---|---|
| **GW-Eff** | **07-10-0164-1** | **09/30/07** | **Aqueous** |

| Parameter | Result | RL | DF | Qual | Units | Date Prepared | Date Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | 5.0 | 1 | | mg/L | 10/03/07 | 10/04/07 | EPA 410.4 |
| Solids, Total Suspended | ND | 1.0 | 1 | | mg/L | N/A | 10/03/07 | SM 2540 D |

| **Method Blank** | **N/A** | **Aqueous** |
|---|---|---|

| Parameter | Result | RL | DF | Qual | Units | Date Prepared | Date Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | 5.0 | 1 | | mg/L | 10/03/07 | 10/04/07 | EPA 410.4 |
| Solids, Total Suspended | ND | 1.0 | 1 | | mg/L | N/A | 10/03/07 | SM 2540 D |

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

Calscience Environmental Laboratories, Inc.

## Quality Control - Duplicate



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

Date Received: N/A
Work Order No: 07-10-0164

Project: Tesoro Station 67107

**Matrix: Aqueous**

| Parameter | Method | QC Sample ID | Date Analyzed | Sample Conc | DUP Conc | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | EPA 410.4 | GW-Eff | 10/04/07 | ND | ND | NA | 0-25 | |
| Solids, Total Suspended | SM 2540 D | 07-10-0225-5 | 10/03/07 | 1240 | 1350 | 8 | 0-20 | |

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

## Glossary of Terms and Qualifiers

Work Order Number: 07-10-0164

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

**KIFF Analytical LLC**

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

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

Lab No. 0164

Page 1 of 1

# Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? __Yes _X_No

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

Project Number: 67107 P.O. No.: 58853

EDF Deliverable to (Email Address):

Project Name: Tesoro Station 67107

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: October 9, 2007

For Lab Use Only

| Sample Designation | Sampling Date | Sampling Time | Container: Glass | Container: Poly | Container: Sleeve | Container: Amber | Container: Tedlar | Preservative: $HNO_3$ | Preservative: $H_2SO_4$ | Preservative: $Na_2S_2O_3$ | Preservative: $ZnAc_2$ & NaOH | Preservative: NONE | Matrix: WATER | Matrix: SOIL | Matrix: Air | Total Suspended Solids | COD | | | | | | | Date due: | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE-Eff | 09/30/07 | 10:40 | 1 | 1 | | | | | 1 | | | 1 | X | | | X | X | | | | | | | X | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | |
|---|---|---|---|
| Relinquished by: Kiff Analytical | Date 100207 | Time 1900 | Received by: |
| Relinquished by: | Date | Time | Received by: |
| Relinquished by: | Date 103-07 | Time 0745 | Received by Laboratory: |

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

**WORK ORDER #: 07 - 10-0164**

**Cooler 1 of 1**

# SAMPLE RECEIPT FORM

**CLIENT:** KIFF ANALYTICAL **DATE:** 10-3-07

## 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: WB

## CUSTODY SEAL INTACT:

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

Initial: WB

## SAMPLE CONDITION:

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

Initial: WB

## COMMENTS:

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

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

Lab No. _____ Page 1 of 1

# Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? __Yes _X_No

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

Project Number: 67107 P.O. No.: 58853

EDF Deliverable to (Email Address):

Project Name: Tesoro Station 67107

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: October 9, 2007

For Lab Use Only

| Sample Designation | Sampling: Date | Sampling: Time | Container: Glass | Container: Poly | Container: Sleeve | Container: Amber | Container: Tedlar | Preservative: $HNO_3$ | Preservative: $H_2SO_4$ | Preservative: $Na_2S_2O_3$ | Preservative: $ZnAc_2$ & NaOH | Preservative: NONE | Matrix: WATER | Matrix: SOIL | Matrix: Air | Total Suspended Solids | COD | | | | | | | Date due: | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW-Eff | 09/30/07 | 10:40 | 1 | 1 | | | | | 1 | | | 1 | X | | | X | X | | | | | | | X | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| Troy S. Turpen | 10/10/07 | 10:00 | |
| Relinquished by: | Date | Time | Received by: |
| Relinquished by: | Date | Time | Received by Laboratory: |

Remarks: This is a revised COC for Work Order No. 07-10-0164, changing the Sample Designation from SVE-Eff to GW-Eff.

Bill to: Accounts Payable

**KIFF Analytical LLC**

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

SRG # / Lab No. 58853

Page 1 of 1

# Chain-of-Custody Record and Analysis Request

| | |
|---|---|
| Project Contact (Hardcopy or PDF To): Richard Munsch | California EDF Report? ☐ Yes ☐ No |
| Company / Address: RDM Environmental | Sampling Company Log Code: |
| Phone #: (916) 415-1134 / Fax #: (916) 415-1154 | Global ID: |
| Project #: 67107 / P.O. #: 67107 | EDF Deliverable To (Email Address): |
| Project Name: Tesoro Station 67107 | Sampler Signature: |
| Project Address: San Lorenzo CA | |

| Sample Designation | Sampling: Date | Sampling: Time | Container: 40 ml VOA | Container: Sleeve | Container: Poly x1 | Container: Glass x1 | Container: Tedlar | Preservative: HCl | Preservative: $HNO_3$ | Preservative: None | Preservative: $H_2SO_4$ | Matrix: Water | Matrix: Soil | Matrix: Air |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE-Inf | 9/30 | 10:48 | 3 | | | | | X | | | | X | | |
| SVE-Mid | 9/30 | 10:45 | 3 | | | | | X | | | | X | | |
| SVE-Eff | 9/30 | 10:40 | 3 | | X | X | X | X | | X | X | X | | |

Analysis Request

| MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb | MTBE (EPA 8260B) @ 0.5 ppb | BTEX (EPA 8260B) | TPH Gas (EPA 8260B) | 5 Oxygenates (EPA 8260B) | 7 Oxygenates (EPA 8260B) | Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B) | Volatile Halocarbons (EPA 8260B) | Volatile Organics Full List (EPA 8260B) | Volatile Organics (EPA 524.2 Drinking Water) | TPH as Diesel (EPA 8015M) | TPH as Motor Oil (EPA 8015M) | Total Lead (EPA 6010) | W.E.T. Lead (STLC) | TLSS | GCD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | X | X | X | X | | | | | | | | | | |
| | | X | X | X | | | | | | | | | | | |
| | | X | X | X | | | | | | | | | | X | X |

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

For Lab Use Only: 01, 02, 03

| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| | | | |
| Relinquished by: | Date | Time | Received by: |
| | | | |
| Relinquished by: | Date | Time | Received by Laboratory: |
| | 100207 | 1030 | |

Remarks: RTT

Bill to: Tesoro / Jeff Baker

For Lab Use Only: Sample Receipt

| Temp °C | Initials | Date | Time | Therm. ID # | Coolant Present |
|---|---|---|---|---|---|
| 5.6 | JMO | 100207 | 1518 | IR-5 | (Yes) / No |

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

## Troy Turpen

**From:** Dusty Mason on behalf of Kiff Inbox
**Sent:** Wednesday, October 10, 2007 9:14 AM
**To:** Troy Turpen
**Subject:** FW:Report for Project : Tesoro Station 67107. Kiff Project : 58853

Dusty Mason
Client Services Assistant
530.297.4800 ext.123

---

**From:** rdmenv@sbcglobal.net [mailto:rdmenv@sbcglobal.net]
**Sent:** Tuesday, October 09, 2007 6:42 PM
**To:** Kiff Inbox
**Subject:** RE: Report for Project : Tesoro Station 67107. Kiff Project : 58853

Please change all samples to GW not SVE. I made the mistake.

RDM

---

**From:** Kiff Inbox [mailto:inbox@kiffanalytical.com]
**Sent:** Tuesday, October 09, 2007 3:38 PM
**To:** rdmenv@sbcglobal.net
**Subject:** Report for Project : Tesoro Station 67107. Kiff Project : 58853

Dear Mr. Munsch,

Attached are Kiff Analytical report(s) and/or electronic deliverables.
Please contact us if you have any questions.

Kiff Inbox
Kiff Analytical, LLC
Office: 530.297.4800
Fax: 530.297.4808

www.kiffanalytical.com
Leaders in Analytical Science and Service


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