

RECEIVED

By loprojectop at 8:48 am, May 17, 2006

**SITE CONCEPTUAL MODEL UPDATE
FIRST QUARTER 2006**

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

Prepared For:

TESORO PETROLEUM COMPANIES, INC.
3450 South 344th Way, Suite 100
Auburn, Washington 98001

Prepared By:

RDM ENVIRONMENTAL, INC.
6280 Brookshire Drive
Rocklin, California 95677
(916) 415-1134

HALEY & ALDRICH OF NEW YORK
200 Town Centre Drive, Suite 2
Rochester, New York 14623
(585) 359-9000

May 15, 2006

EXECUTIVE SUMMARY

This Site Conceptual Model (SCM) Update has been prepared by RDM Environmental, Inc. (RDM) and Haley & Aldrich, Inc. (Haley & Aldrich), on behalf of Tesoro Petroleum Companies, Inc. (Tesoro), for the former Tesoro Station No. 67106 located at 1088 Marina Boulevard, San Leandro, California. This report is submitted in fulfillment of the requirements for the California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCBSFB), the Alameda County Health Care Agency – Department of Health and the City of San Leandro – Environmental Service Division. This report contains only updates to the Groundwater Monitoring and Remediation Systems Status Report dated November 10, 2005 (RDM). Standard background information previously submitted to the agency in hard copy is not included in this update report. This information can be found in hard copy by referring to the SCM report dated November 10, 2005, or electronically accessed on the Tesoro North Hollywood Sharepoint website ([https://portal.haleyaldrich.com/sites/ext/San Leandro](https://portal.haleyaldrich.com/sites/ext/San%20Leandro)).

Currently, the groundwater flow is toward the southwest, which is generally consistent with recent monitoring events, and consistent with historical groundwater flow direction. Total Petroleum Hydrocarbons as gasoline (TPH-G) are currently detected in Wells MW-1, MW-2, MW-3, and MW-4 at concentrations greater than the environmental screening level (ESL) for groundwater that is not a current or potential drinking water resource; MW-9 meets the non-drinking water resource criteria but exceeds the ESL criteria for groundwater that is considered a current or potential drinking water resource. Total Xylenes are currently detected in Wells MW-2 and MW-4 at a concentration greater than the non-drinking water resource ESL. Benzene, Toluene and Ethylbenzene concentrations in Wells MW-1, MW-2, MW-3 and MW-4 are below the non-drinking water ESL but are greater than the drinking water resource ESLs. All other on-site and off-site Wells are either non-detect (ND) or have concentrations below the drinking water resource ESLs for TPH-G, BTEX, MTBE or other fuel oxygenates.

Significant concentration reductions have been observed since beginning this monitoring program: the highest MTBE concentration detected this quarter (4.9 ug/L, January 13, 2006 in Well MW-4) is less than one one-hundredth of a percent of the historical maximum of 84,000 ug/L; the highest combined BTEX concentration detected this quarter (1128 ug/L, January 13, 2006 in Well MW-4) is approximately fifteen percent that of the historical maximum of 7,300 ug/L; and the highest TPH-G concentration detected this quarter (6,800 ug/L, January 13, 2006 in Well MW-2) is approximately one fifth that of the historical maximum of 35,000 ug/L. The remedial approach has slowed the migration of the gasoline plume and has substantially reduced contaminant concentrations in the aquifer.

Soil vapor extraction has reached the limit of its effectiveness as no measurable concentrations of VOCs or TPH-G were detected in the vapor stream during this quarter. We are proposing to temporarily suspend active remediation during the 2nd and 3rd Quarters of 2006 to allow an assessment of site rebound and equilibrium concentrations for a six month period. This assessment will be used to focus subsequent remedial action to the areas warranting further attention and facilitate a better understanding of which technology(ies) will be most appropriate to complete site restoration. Alameda County Health Care Services has agreed with the proposed scope of work as indicated in their letter dated April 11, 2006, and has also requested the completion of a detailed well survey for wells within a 2,000-foot radius of the site to identify potential down gradient receptors and to assess which groundwater contaminant screening criteria is most applicable to the site.

TABLE OF CONTENTS

EXECUTIVE SUMMARY i

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 1

3.0 ENVIRONMENTAL SETTING 2

4.0 SITE ASSESSMENT ACTIVITIES 2

5.0 QUARTERLY GROUNDWATER MONITORING AND SAMPLING..... 2

 5.1 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES..... 2

 5.2 LABORATORY ANALYSIS 2

 5.3 FINDINGS..... 2

6.0 SITE CONCEPTUAL MODEL OVERVIEW AND UPDATE.....3

7.0 QUARTERLY REMEDIAL PROGRESS OF SOIL VAPOR EXTRACTION SYSTEM.....4

 7.1 OPERATIONS UPDATE.....4

 7.2 CONCLUSIONS AND RECOMMENDATIONS4

8.0 QUARTERLY REMEDIAL PROGRESS OF GROUNDWATER TREATMENT SYSTEM.....4

 8.1 OPERATIONS UPDATE.....4

 8.2 CONCLUSIONS AND RECOMMENDATIONS5

9.0 PROPOSED WORK ACTIVITIES5

10.0 STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION6

11.0 REFERENCES.....7

TABLE OF CONTENTS

(continued)

Tables

- 1 Groundwater Monitoring Data
- 2 Soil Vapor Extraction System Analytical Results
- 3 Soil Vapor Extraction Throughput Calculations

Figures

- 1 Site Topographic Map
- 2 Site Map
- 3 Groundwater Elevation Contour Map – January 13, 2006
- 4 Dissolved Phase Benzene Iso-Concentration Map – January 13, 2006
- 5 Dissolved Phase TPH-G Iso-Concentration Map – January 13, 2006
- 6 Dissolved Phase MTBE Iso-Concentration Map – January 13, 2006
- 7 Dissolved Phase Xylenes Iso-Concentration Map – January 13, 2006
- 8 Process Flow Diagram

Appendices

- A Groundwater Sampling Data Sheets – Quarterly Groundwater Sampling
- B Official Laboratory Reports and Chain of Custody Records – Quarterly Groundwater Samples
- C Official Laboratory Report and Chain of Custody Records – SVE Analytical Data

1.0 INTRODUCTION

This Site Conceptual Model (SCM) Update Report has been prepared by RDM Environmental, Inc. (RDM) and Haley & Aldrich, Inc. (Haley & Aldrich), on behalf of Tesoro Petroleum Companies, Inc. (Tesoro) for the former Tesoro Station No. 67106 located at 1088 Marina Boulevard, San Leandro, California. This report contains only updates to the previously submitted documents. The most recently prepared project reports and standard project reference materials consistently contained in quarterly reports submitted to the CRWQCBSFB (e.g., site background, local groundwater use, site geology and hydrogeology, general field procedures, previous work, remedial system descriptions) are available in hard copy in any of the previous report submittals or electronically on the Tesoro North Hollywood Sharepoint website ([https://portal.haleyaldrich.com/sites/ext/Tesoro/San Leandro](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Leandro)), a project data portal and collaborative resource that is currently available to all members of the project team and interested stakeholders.

Total Petroleum Hydrocarbons as gasoline (TPH-G) and Total Xylenes remain the main constituents of concern in groundwater beneath this site. The plume is contained within the site boundary with TPH-G concentrations in Wells MW-1, MW-2, MW-3, and MW-4 at concentrations greater than the environmental screening level (ESL) for groundwater that is not a current or potential drinking water resource; MW-9 meets the non-drinking water resource criteria but exceeds the ESL criteria for groundwater that is considered a current or potential drinking water resource. Total Xylenes are currently detected in Wells MW-2 and MW-4 at a concentration greater than the non-drinking water resource ESL. Benzene, Toluene and Ethylbenzene concentrations in Wells MW-1, MW-2, MW-3 and MW-4 are below the non-drinking water ESL but are greater than the drinking water resource ESLs. All other on-site and off-site Wells are either non-detect (ND) or have concentrations below the drinking water resource ESLs for TPH-G, BTEX, MTBE or other fuel oxygenates.

Soil vapor extraction (SVE) from Wells MW-2, MW-3, MW-8, MW-9, VW-1, ozone sparging in Wells MW-1, MW-4 and MW-5, coupled with air sparging in sparge points SP-1 through SP-6 have significantly reduced subsurface contaminant concentrations beneath the site and have prevented off-site migration.

Significant concentration reductions have been observed since beginning this monitoring program: the highest MTBE concentration detected this quarter (4.9 ug/L, January 13, 2006 in Well MW-4) is less than one one-hundredth of a percent of the historical maximum of 84,000 ug/L; the highest combined BTEX concentration detected this quarter (1128 ug/L, January 13, 2006 in Well MW-4) is approximately fifteen percent that of the historical maximum of 7,300 ug/L; and the highest TPH-G concentration detected this quarter (6,800 ug/L, January 13, 2006 in Well MW-2) is approximately one fifth that of the historical maximum of 35,000 ug/L. The remedial approach has slowed the migration of the gasoline plume and has substantially reduced contaminant concentrations in the aquifer.

2.0 SITE BACKGROUND

Site Description and Groundwater Use details are available in hard copy in any of the previous report submittals or electronically on the Tesoro North Hollywood Sharepoint website ([https://portal.haleyaldrich.com/sites/ext/Tesoro/San Leandro](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Leandro)).

3.0 ENVIRONMENTAL SETTING

Descriptions of the site geologic and hydrogeologic conditions are available in hard copy in any of the previous report submittals or electronically on the Tesoro North Hollywood Sharepoint website ([https://portal.haleyaldrich.com/sites/ext/Tesoro/San Leandro](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Leandro)). A site topographic map and site map are shown in Figures 1 and 2, respectively.

4.0 SITE ASSESSMENT ACTIVITIES

No supplemental site assessment activities were performed during the reporting period. A summary of previous work conducted at the site is available in hard copy in any of the previous report submittals or electronically on the Tesoro North Hollywood Sharepoint website ([https://portal.haleyaldrich.com/sites/ext/Tesoro/San Leandro](https://portal.haleyaldrich.com/sites/ext/Tesoro/San%20Leandro)).

5.0 QUARTERLY GROUNDWATER MONITORING AND SAMPLING

5.1 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

On January 13, 2006, fluid levels in Monitoring Wells MW-1 through MW-9 were measured prior to well purging and sampling. No free product was observed in any of the groundwater monitoring wells and has not been observed in any project monitoring well since before March 1998. Groundwater monitoring data are presented in Table 1.

Data used to prepare the groundwater elevation contour maps were obtained from fluid level sensors deployed during the January 13, 2006 sampling event. Groundwater elevation data are summarized in Table 1. The groundwater elevation contour map, using data obtained during the January 13, 2006 sampling event, is shown in Figure 3 and indicates that groundwater direction is predominately to the southwest.

5.2 LABORATORY ANALYSIS

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

Historical and quarterly results of laboratory analysis of groundwater samples (including First Quarter 2006) are presented in Table 1. Dissolved-phase Benzene, TPH-G, MTBE and total Xylenes iso-concentration maps are shown on Figures 4, 5, 6, and 7, respectively. Copies of the official laboratory reports and chain of custody records for the 1st Quarter 2006 quarterly groundwater sampling event are included in Appendix B. In addition, field data sheets from the quarterly monitoring and sampling event are included in Appendix A.

5.3 FINDINGS

On January 13, 2006, groundwater was measured at depths between 10.7 feet and 13.2 feet bgs. Based on previous groundwater elevation data, the groundwater elevation has increased 1.2 feet, on average, across the site. Groundwater flow beneath the site is to the southwest under a hydraulic gradient less than 0.05 foot per foot. Groundwater monitoring data are presented in Tables 1 and 2, and the groundwater elevation contour map is shown on Figure 3.

Results of laboratory analysis of groundwater samples collected on January 13, 2006, from Wells MW-1 through MW-9 are summarized in Table 1 and indicate the following:

- TPH-G was detected in groundwater samples collected from Wells MW-1, MW-2, MW-3, MW-4, MW-8, and MW-9 at concentrations of 6500, 6800, 1200, 4000, 52, and 280 ug/L, respectively. Results show no significant reduction in TPH-G concentrations from the Fourth Quarter 2005 analytical results.
- Benzene was detected in groundwater samples collected from Wells MW-2, MW-3, and MW-4 at concentrations of 17, 5.0, and 8.3 ug/L, respectively. Results are consistent with groundwater sample results from the Fourth Quarter 2005 and do not show a significant decrease in contaminant concentrations.
- Toluene was detected in groundwater samples collected from Wells MW-2, MW-3 and MW-4 at concentrations of 7.8, 1.1 and 100 ug/L, respectively. Results are consistent with groundwater sample results from the Fourth Quarter 2005 and do not show a significant decrease in contaminant concentrations.
- Ethylbenzene was detected in groundwater samples collected from Wells MW-1, MW-2, MW-3, MW-4, and MW-5 at concentrations of 34, 220, 4.9, 160, and 1.2 ug/L, respectively. Results are consistent with groundwater sample results from the Fourth Quarter 2005 and do not show a significant decrease in contaminant concentrations.
- Total Xylenes was detected in groundwater samples collected from Wells MW-1, MW-2, MW-3, MW-4, and MW-8 at concentrations of 17, 230, 1.2, 860, and 0.51 ug/L, respectively. Results are consistent with groundwater sample results from the Fourth Quarter 2005 and do not show a significant decrease in contaminant concentrations.
- MTBE was detected in groundwater samples collected from Wells MW-2, MW-3, MW-4, MW-5, MW-7 and MW-8 at concentrations of 3.5, 3.1, 4.9, 0.60, 0.61 and 0.58 ug/L, respectively. Results are consistent with groundwater sample results from the Fourth Quarter 2005 and do not show a significant decrease in contaminant concentrations, with the exception of Well MW-8 where the MTBE concentration was reduced from 15 ug/L to 0.58 (>96% reduction).

6.0 SITE CONCEPTUAL MODEL OVERVIEW AND UPDATE

Currently, the groundwater flow is toward the southwest, which is generally consistent with recent monitoring events, and consistent with the previous SCM for the site. Wells MW-1, MW-4 and MW-5 are currently connected to an ozone sparging system and have shown significant decreases in BTEX and MTBE concentrations over the last year, with a leveling off during the past two quarters; no significant decrease in TPH-G concentrations have been observed in the ozone sparge wells. An air sparging system is connected to sparge points SP-1 through SP-6, in an effort to stimulate aerobic biodegradation pathways. The current process flow diagram for all active remediation systems is shown on Figure 8.

In comparison to the Fourth Quarter 2005 sampling event, TPH-G, BTEX and MTBE concentrations for the First Quarter 2006 have not significantly decreased in monitoring Wells throughout the site, indicating the current remedial measures may have reached the limit of their effectiveness. There was an average increase in groundwater elevation of 1.2 feet compared to the Fourth Quarter of 2005.

Total Petroleum Hydrocarbons as gasoline (TPH-G) are currently detected in Wells MW-1, MW-2, MW-3, and MW-4 at concentrations greater than the environmental screening level (ESL) for groundwater that is not a current or potential drinking water resource; MW-9 meets the non-drinking water resource criteria but exceeds the ESL criteria for groundwater that is considered a current or potential drinking water resource. Total Xylenes are currently detected in Wells MW-2 and MW-4 at a concentration greater than the non-drinking water resource ESL. Benzene, Toluene and Ethylbenzene concentrations in Wells MW-1, MW-2, MW-3 and MW-4 are below the non-drinking water ESL but are greater than the drinking water resource ESLs. All other on-site and off-site Wells are either non-detect (ND) or have concentrations below the drinking water resource ESLs for TPH-G, BTEX, MTBE or other fuel oxygenates. Despite the application of ozone injection and based on current data, TPH concentrations in the vicinity of MW-1 through MW-4 and MW-9, along with BTEX constituents in MW-1 through MW-4, will require further remediation. Ozone sparging will not effectively address the TPH concentrations since ozone is not able to readily oxidize straight or branched chain alkanes typical of gasoline.

7.0 QUARTERLY REMEDIAL PROGRESS OF SOIL VAPOR EXTRACTION SYSTEM

7.1 OPERATIONS UPDATE

The SVE system is continuing to operate with extraction from Wells MW-2, MW-3, MW-8, MW-9 and VW-1. The effluent vapor from the SVE blower is abated using two 600-lb carbon vessels connected in series. During the First Quarter 2006 no detectable concentrations of BTEX, MTBE, or TPH-G were identified in the SVE vapor stream (Table 2). It is estimated that less than 12 pounds of vapor equivalent gasoline were removed during the First Quarter 2005 (Table 3), calculated using the analytical method reporting limit for each constituent as the vapor stream concentration. The cumulative vapor equivalent gasoline removed (Table 3), as of January 13, 2006, is estimated at 3,082 pounds (505 gallons).

7.2 CONCLUSIONS AND RECOMMENDATIONS

Based on no detectable concentrations of BTEX, MTBE and TPH-G in the SVE vapor stream for all samples collected during the First Quarter 2006, it appears SVE has reached the limit of its effectiveness. We recommend that active SVE operations are temporarily suspended to allow an assessment of site rebound and equilibrium concentrations for a six month period.

8.0 QUARTERLY REMEDIAL PROGRESS OF GROUNDWATER TREATMENT SYSTEM

8.1 OPERATIONS UPDATE

Two 0.5 lb/hr ozone generators, connected in parallel, continuously sparge ozone in monitoring Wells MW-1, MW-4 and MW-5. Significant reductions in BTEX and MTBE concentrations have occurred over the past year, with a leveling off during the past two quarters. The application of ozone sparging has had little effect in decreasing TPH-G concentrations over the past two quarters. An air sparging system is connected to sparge points SP-1 through SP-6, in an effort to stimulate aerobic biodegradation pathways. The current process flow diagram for all active remediation systems is shown on Figure 7.

8.2 CONCLUSIONS AND RECOMMENDATIONS

Although groundwater monitoring data shown in Table 1 show significant reduction in contaminant concentrations throughout the site, it also shows a leveling off of treatment system performance. The results to date may not reflect actual aquifer conditions beyond the bore water of each ozone sparging well due to the small radius of influence resulting from the tight nature of the subsurface clay. Analytical

results may also be biased low because many of the on-site monitoring wells are either vapor extraction or ozone injection points (ozone injection at MW-1, MW-4, and MW-5; SVE at MW-2, MW-3, MW-8, and MW-9).

Based on current data, TPH-G and BTEX concentrations in the vicinity of MW-1 through MW-4 will require further remediation. Continued ozone sparging will not effectively address the TPH-G concentrations based on ozone's inability to readily oxidize straight or branched chain alkanes typical of gasoline, and that benefits observed are likely limited to the well-bore water and an artifact of oxygen addition from ozone decomposition.

We therefore recommend that site conditions be reassessed under un-amended, equilibrium state conditions (i.e., after sufficient shutdown of current remediation systems). The assessment of un-amended site conditions will provide the data and insight necessary to support a preferred path to closure.

9.0 PROPOSED WORK ACTIVITIES

RDM, Haley & Aldrich, and Tesoro propose the following work activities for the Second and Third Quarters of 2006:

- Shut-down of all active remediation (i.e., SVE, air sparging, and ozone injection), with immediate collection of TPH-G and VOC samples. Shutdown date is tentatively scheduled for the week of 15 May 2006.
- Maintain remediation shut-down for a minimum 6-month period. We anticipate, based on experience at sites with similar subsurface conditions, that six months is sufficient time for the subsurface to reach equilibrium conditions.
- During the third month of remediation shutdown, collect TPH-G, VOC and MNA (e.g., dissolved oxygen, redox potential, pH, conductivity, ferrous iron, total iron, alkalinity, carbon dioxide, total organic carbon,) parameters from all wells using low flow sampling methods. This data will be reported in our next quarterly SCM update.
- At the end of the six month period sample each well for TPH-G, VOC, and MNA parameter analysis. We anticipate the analytical results will provide insight with respect to the following two concerns:
 - Whether subsurface conditions are appropriate for the current remedial approach.
 - The extent to which the current remedial approach has been effective.
- Regularly scheduled monitoring of water levels in key wells within the monitoring network to provide groundwater flow gradient and direction data.
- Continue quarterly groundwater compliance reporting under this new reporting format, including updates to the SCM as appropriate.
- Conduct a well survey to locate all wells (monitoring and water supply wells: active, inactive, standby, decommissioned, and abandoned) within a 2,000-foot radius of the site. Results will be used to identify potential down gradient receptors and to assess which groundwater contaminant screening criteria is most applicable to the site.

10.0

STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

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

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

RDM ENVIRONMENTAL, INC.

HALEY & ALDRICH OF NEW YORK

Richard D. Munsch
Project Manager

Michael G. Nickelsen
Senior Scientist

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

Paul M. Tornatore, P.E. in New York
Vice President/Senior Consultant



11.0 REFERENCES

Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater; Volume 1: Summary Tier 1 Lookup Tables. California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final – 2005.

Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater; Volume 2: Background Documentation for the Development of Tier I Environmental Screening Levels. California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final – 2005.

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	03/12/98	33.10	11.09	22.01	<0.5	<0.5	5.0	2.8	100	<5.0	NA	No sheen
	05/28/98		11.36	21.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		12.61	20.49	<0.5	<0.5	6.4	1.4	130	<5.0	NA	No sheen
	11/19/98		13.84	19.26	0.75	<0.5	<0.5	3.0	120	<5.0	NA	No sheen
	03/15/99		11.95	21.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		13.45	19.65	1.6	1.9	230	110	5,200	<5.0	NA	No sheen
	09/07/99		13.10	20.00	1.0	<0.5	22	15	490	<5.0	NA	No sheen
	12/13/99		14.29	18.81	<2.5	<2.5	170	110	4,100	<25	NA	No sheen
	03/08/00		11.22	21.88	<0.5	<0.5	21	7.7	1,200	150	NA	No sheen
	06/12/00		12.85	20.25	1.5	0.9	160	98	3,000	34	NA	No sheen
	11/15/00		14.19	18.91	<20	<20	470	390	8,500	14,000	NA	No sheen
	02/27/01		12.35	20.75	5.4	2.6	260	190	6,100	4,300	NA	No sheen
	05/22/01		14.18	18.92	8.9	13	1,100	1,300	21,000	2,300	NA	No sheen
	09/05/01		13.70	19.10	<2.0	3.6	600	850	12,000	93	NA	No sheen
	11/07/01		14.25	18.85	<5.0	<5.0	1,300	1,600	23,000	87	NA	No sheen
	02/11/02	35.47	13.05	22.42	<0.5	<0.5	140	150	4,500	18	NA	No sheen
	06/03/02		13.31	22.16	<2.5	<2.5	520	460	12,000	12	NA	No sheen
	08/06/02		13.75	21.72	<0.5	<0.5	710	580	22,000	15	NA	No sheen
	11/14/02		14.10	21.37	<5.0	<5.0	300	250	16,000	8.1	ND	No sheen
	02/20/03		12.80	22.67	<1.5	<1.5	130	89	7,300	9.3	ND	No sheen
	05/15/03		12.90	22.57	<2.5	<2.5	270	120	14,000	4.7	ND	No sheen
	07/31/03		13.50	21.97	<5.0	<5.0	380	230	18,000	5.2	ND	No sheen
	10/28/03		14.42	21.05	<5.0	<5.0	340	210	17,000	<5.0	ND	No sheen
	02/28/04		12.72	22.75	<2.0	<2.0	140	48	10,000	4.8	ND	No sheen
	04/16/04		13.52	21.95	<0.5	<0.5	29	11	2,800	2.1	ND	No sheen
	07/16/04		14.04	21.43	<0.5	0.57	130	74	5,500	1.4	ND	No sheen
	11/13/04		13.99	21.43	<0.70	<0.70	56	25	4,000	ND	ND	No sheen
	02/04/05		13.36	22.11	0.57	<0.5	140	58	9,700	0.75	ND	No sheen
	04/08/05		12.43	23.04	<1.5	<1.5	84	24	8,100	<1.5	ND	No sheen
	08/10/05		13.62	21.85	<1.5	<1.5	92	32	8,700	<1.5	ND	No sheen
11/05/05		13.95	21.52	<1.5	<1.5	92	38	9,200	<1.5	ND	No sheen	
01/13/06		12.43	23.04	<1.5	<1.5	34	17	6,500	<1.5	ND	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	03/12/98	32.80	10.92	21.88	32	1.0	12	6.5	440	20	NA	No sheen
	05/28/98		10.41	22.39	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No sheen
	08/31/98		12.29	20.51	9.3	0.95	4.9	8.8	270	20	NA	No sheen
	11/19/98		13.47	19.33	16	0.72	<0.5	4.3	180	7.4	NA	No sheen
	03/15/99		11.95	20.85	12	3.5	59	840	2,400	10	NA	No sheen
	06/07/99		13.11	19.69	21	0.99	6.9	10	690	6.1	NA	No sheen
	09/07/99		12.92	19.88	7.8	1.2	42	100	610	<5.0	NA	No sheen
	12/13/99		13.96	18.84	26	0.93	52	96	3,000	<5.0	NA	No sheen
	03/08/00		10.87	21.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.53	20.27	51	17	170	320	5,500	18	NA	No sheen
	11/15/00		13.96	18.84	75	48	1,200	2,800	16,000	19,000	NA	No sheen
	02/27/01		12.29	20.51	54	24	320	870	10,000	6,000	NA	No sheen
	05/22/01		15.51	17.29	12	5.0	79	100	2,400	3,500	NA	No sheen
	09/05/01		13.75	19.05	120	180	1,500	5,100	34,000	400	NA	No sheen
	11/07/01		13.99	18.81	87	170	1,400	3,700	32,000	870	NA	No sheen
	02/11/02	35.11	12.98	22.13	170	250	1,600	4,700	34,000	390	NA	No sheen
	06/03/02		13.24	21.87	130	260	1,700	5,100	29,000	110	NA	No sheen
	08/06/02		13.73	21.38	110	240	1,700	4,700	34,000	84	NA	No sheen
	11/14/02		13.55	21.56	51	150	1,300	3,600	35,000	39	ND	No sheen
	02/20/03		11.80	23.31	67	130	1,100	2,800	23,000	71	ND	No sheen
	05/15/03		12.27	22.84	57	110	840	2,300	19,000	43	ND	No sheen
	07/31/03		13.46	21.65	78	210	2,000	5,000	31,000	36	ND	No sheen
	10/28/03		14.09	21.02	59	120	2,000	3,600	32,000	19	ND	No sheen
	02/28/04		12.27	22.84	21	26	520	980	10,000	35	ND	No sheen
	04/16/04		13.22	21.89	30	30	540	890	11,000	30	23 ^c	No sheen
	07/16/04		13.76	21.35	42	36	1,200	2,300	21,000	17	ND	No sheen
	11/13/04		13.79	21.35	25	27	780	1,300	14,000	9.1	ND	No sheen
	02/04/05		13.08	22.03	24	20	720	1,000	14,000	8.6	ND	No sheen
	04/08/05		12.11	23.00	19	11	580	630	14,000	7.9	ND	No sheen
	08/10/05		13.27	21.84	21	11	610	520	13,000	7.6	ND	No sheen
11/05/05		11.92	23.19	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
01/13/06		12.26	22.85	17	7.8	220	230	6,800	3.5	ND	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	03/12/98	32.30	10.81	21.49	0.67	<0.5	7.1	3.4	1,200	7.3	NA	No sheen
	05/28/98		11.45	20.85	<0.5	0.5	<0.5	<0.5	350	<5.0	NA	No sheen
	08/31/98		12.21	20.09	<0.5	0.89	0.69	<0.5	240	<5.0	NA	No sheen
	11/19/98		13.26	19.04	5.3	0.72	0.86	4.2	440	<5.0	NA	No sheen
	03/15/99		11.89	20.41	3.3	1.3	0.77	<0.5	410	<5.0	NA	No sheen
	06/07/99		12.91	19.39	<0.5	2.0	<0.5	0.66	680	<5.0	NA	No sheen
	09/07/99		12.81	19.49	<0.5	0.62	<0.5	8.7	150	12	NA	No sheen
	12/13/99		13.75	18.55	<0.5	0.52	<0.5	1.0	830	<5.0	NA	No sheen
	03/08/00		11.39	20.91	0.58	<0.5	0.77	<0.5	960	<5.0	NA	No sheen
	06/12/00		12.58	19.72	1.7	<0.5	46	6.3	1,700	<5.0	NA	No sheen
	11/15/00		13.85	18.45	<200	<200	<200	<200	<20,000	84,000	NA	No sheen
	02/27/01		12.22	20.08	98	<20	130	30	3,500	16,000	NA	No sheen
	05/22/01		13.66	18.64	41	<20	20	<20	<2,000	5,800	NA	No sheen
	09/05/01		13.41	18.89	9.9	1.5	49	8.2	5,300	430	NA	No sheen
	11/07/01		13.85	18.45	9.4	1.8	47	8.8	6,500	1,600	NA	No sheen
	02/11/02	34.84	12.86	21.98	8.9	<2.0	14	<2.0	2,400	530	NA	No sheen
	06/03/02		13.10	21.74	13	0.77	19	0.94	2,100	110	NA	No sheen
	08/06/02		13.52	21.32	25	2.5	12	1.1	2,800	120	NA	No sheen
	11/14/02		13.49	21.35	29	0.89	3.7	<0.5	2,200	420	1.1 ^b , 19 ^c	No sheen
	02/20/03		12.92	21.92	2.5	<0.5	<0.5	<0.5	2,400	340	13 ^c	No sheen
	05/15/03		12.83	22.01	2.0	<0.5	1.2	<0.5	2,100	200	0.85 ^b , 15 ^c	No sheen
	07/31/03		13.44	21.40	1.2	<0.5	<0.5	<0.5	1,600	330	0.81 ^b , 15 ^c	No sheen
	10/28/03		13.92	20.92	1.0	<0.5	<0.5	<0.5	1,600	160	7.1 ^c	No sheen
	02/28/04		12.50	22.34	1.2	<0.5	0.74	<0.5	1,400	58	74 ^c	No sheen
	04/16/04		13.07	21.77	1.2	<0.5	<0.5	<0.5	1,400	45	95 ^c	No sheen
	07/16/04		13.62	21.22	6.1	1.1	<0.5	0.83	1,900	43	21 ^c	No sheen
	11/13/04		13.70	21.22	4.7	0.79	<0.5	<0.5	1,300	30	82 ^c	No sheen
	02/04/05		12.94	21.90	0.79	<0.5	<0.5	<0.5	1,300	10	12 ^c	No sheen
	04/08/05		12.10	22.74	<0.5	<0.5	<0.5	<0.5	770	4.2	ND	No sheen
	08/10/05		13.19	21.65	3.4	0.61	0.57	<0.5	1,600	6.3	11 ^c	No sheen
11/05/05		13.46	21.38	7.1	1.0	2.7	0.75	2,200	3.6	13 ^c	No sheen	
01/13/06		12.20	22.64	5.0	1.1	4.9	1.2	1,200	3.1	9.8 ^a	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-4	03/12/98	32.90	11.31	21.59	2,200	1,500	630	3,000	14,000	440	NA	No sheen
	05/28/98		10.40	22.50	<0.5	0.75	0.68	6.9	67	26	NA	No sheen
	08/31/98		12.54	20.36	1.8	2.5	0.65	3.4	<5.0	<5.0	NA	No sheen
	11/19/98		13.99	18.91	<0.5	<0.5	<0.5	0.61	<50	17	NA	No sheen
	03/15/99		12.06	20.84	1.2	1.6	0.76	4.5	160	9.3	NA	No sheen
	06/07/99		13.57	19.33	210	370	350	2,000	5,800	<20	NA	No sheen
	09/07/99		10.30	22.60	2.2	2.8	4.8	25	130	12	NA	No sheen
	12/13/99		14.18	18.72	1.3	1.0	1.2	4.8	<50	12	NA	No sheen
	03/08/00		11.77	21.13	78	200	160	750	3,700	11	NA	No sheen
	06/12/00		13.47	19.43	<0.5	<0.5	<0.5	<0.5	<50	24	NA	No sheen
	11/15/00		14.33	18.57	12	38	28	130	710	1,300	NA	No sheen
	02/27/01		14.25	18.65	67	300	310	1,400	6,500	1,000	NA	No sheen
	05/22/01		13.99	18.91	2.1	5.6	4.8	20	130	350	NA	No sheen
	09/05/01		15.75	17.15	110	670	250	1,300	6,200	600	NA	No sheen
	11/07/01		16.10	16.80	40	270	180	940	4,100	110	NA	No sheen
	02/11/02	35.33	15.04	20.29	91	590	620	3,000	14,000	350	NA	No sheen
	06/03/02		13.61	21.72	69	390	190	1,100	4,300	240	NA	No sheen
	08/06/02		15.01	20.32	100	690	570	2,900	13,000	170	NA	No sheen
	11/14/02		13.98	21.35	65	380	550	3,400	20,000	130	ND	No sheen
	02/20/03		13.33	22.00	57	240	650	3,700	18,000	98	ND	No sheen
	05/15/03		13.29	22.04	44	100	200	1,200	8,500	120	21 ^c	No sheen
	07/31/03		13.76	21.57	42	59	250	1,400	11,000	87	ND	No sheen
	10/28/03		14.48	20.85	80	40	130	650	8,100	130	20 ^c	No sheen
	02/28/04		12.96	22.37	85	430	570	3,700	17,000	67	ND	No sheen
	04/16/04		13.57	21.76	72	420	570	3,800	19,000	60	ND	No sheen
	07/16/04		14.16	21.17	46	330	360	2,200	10,000	58	28 ^c	No sheen
	11/13/04		14.34	21.17	50	240	360	2,200	9,400	22	ND	No sheen
	02/04/05		13.56	21.77	14	160	170	1,100	4,800	7.9	ND	No sheen
	04/08/05		12.65	22.68	15	160	200	1,200	5,800	6.6	ND	No sheen
	08/10/05		13.73	21.60	7.0	110	100	570	3,000	5.2	9.9 ^c	No sheen
11/05/05		14.35	20.98	6.0	91	95	630	3,000	5.3	9.1 ^c	No sheen	
01/13/06		12.76	22.57	8.3	100	160	860	4,000	4.9	6.7 ^a	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5	03/12/98	32.70	11.11	21.59	2,600	160	470	2,200	12,000	<250	NA	No sheen
	05/28/98		10.92	21.78	480	99	160	730	4,700	<250	NA	No sheen
	08/31/98		12.79	19.91	200	14	55	220	1,400	180	NA	No sheen
	11/19/98		13.39	19.31	1.4	<0.5	<0.5	<0.5	<50	39	NA	No sheen
	03/15/99		11.71	20.99	320	17	290	780	3,400	33	NA	No sheen
	06/07/99		13.26	19.44	220	8.9	240	290	3,200	<25	NA	No sheen
	09/07/99		9.70	23.00	8.5	<0.5	8.5	12	140	38	NA	No sheen
	12/13/99		14.06	18.64	<0.5	<0.5	<0.5	13	140	<5.0	NA	No sheen
	03/08/00		11.80	20.90	0.66	<0.5	2.5	30	280	<5.0	NA	No sheen
	06/12/00		12.99	19.71	22	1.2	79	170	2,700	6.4	NA	No sheen
	11/15/00		14.23	18.47	36	1.6	180	180	4,500	10	NA	No sheen
	02/27/01		12.66	20.04	33	1.6	160	220	2,800	110	NA	No sheen
	05/22/01		13.58	19.12	49	2.2	180	230	3,200	240	NA	No sheen
	09/05/01		14.05	18.65	28	1.0	100	100	2,400	560	NA	No sheen
	11/07/01		14.32	18.38	<2.0	<2.0	2.1	20	390	590	NA	No sheen
	02/11/02	35.09	13.31	21.78	19	<5.0	59	52	1,200	1,800	NA	No sheen
	06/03/02		13.55	21.54	44	<2.0	150	210	3,200	610	NA	No sheen
	08/06/02		14.10	20.99	42	<2.0	140	150	3,200	820	NA	No sheen
	11/14/02		14.03	21.06	29	1.3	94	100	2,900	560	100 ^c	No sheen
	02/20/03		13.35	21.74	22	<1.0	81	77	2,900	270	170 ^c	No sheen
	05/15/03		13.11	21.98	55	1.8	94	85	3,700	220	0.64 ^b , 170 ^c	No sheen
	07/31/03		13.88	21.21	45	1.1	26	19	2,400	200	180 ^c	No sheen
	10/28/03		14.41	20.68	6.8	<0.5	4.4	1.1	570	77	8.0 ^c	No sheen
	02/28/04		12.89	22.20	37	1.4	130	120	3,400	72	32 ^c	No sheen
	04/16/04		13.41	21.68	26	0.73	45	53	2,400	81	130 ^c	No sheen
	07/16/04		13.92	21.17	24	0.85	36	20	2,100	71	46 ^c	No sheen
	11/13/04		14.35	21.17	19	0.55	37	17	1,600	38	59 ^c	No sheen
	02/04/05		13.48	21.61	40	1.40	120	80	4,500	32	43 ^c	No sheen
	04/08/05		12.42	22.67	<0.5	<0.5	<0.5	<0.5	67	7.9	ND	No sheen
	08/10/05		13.36	21.73	<0.5	<0.5	<0.5	<0.5	<50	1.5	ND	No sheen
11/05/05		13.96	21.13	<0.5	<0.5	2.2	1.5	110	<0.5	ND	No sheen	
01/13/06			12.53	22.56	<0.5	<0.5	1.2	<0.5	0.58	<0.5	ND	No sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-6	03/12/98	30.40	10.49	19.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.58	19.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		10.85	19.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		10.88	19.52	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.83	19.57	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		11.01	19.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		11.89	18.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.09	18.31	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.02	20.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		11.07	19.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		12.34	18.06	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	02/27/01		10.75	19.65	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/22/01		11.55	18.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/05/01		12.10	18.30	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/07/01		12.31	18.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	02/11/02	32.74	11.05	21.69	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/03/02		11.70	21.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/06/02		12.28	20.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/14/02		12.46	20.28	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	02/20/03		11.26	21.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	05/15/03		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	07/31/03		11.73	21.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	10/28/03		12.38	20.36	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	02/28/04		11.88	20.86	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	04/16/04		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	07/16/04		12.84	19.90	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	11/13/04		12.13	19.90	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	02/04/05		11.14	21.60	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	04/08/05		10.94	21.80	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
	08/10/05		11.42	21.32	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen
11/05/05		11.90	20.84	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen	
01/13/06			10.70	22.04	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	No sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments	
MW-7	03/12/98	31.20	10.14	21.06	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	05/28/98		10.93	20.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	08/31/98		12.01	19.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	11/19/98		12.54	18.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	03/15/99		10.94	20.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	06/07/99		12.05	19.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	09/07/99		12.67	18.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	12/13/99		12.73	18.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	03/08/00		10.90	20.30	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	06/12/00		12.61	18.59	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	11/15/00		13.06	18.14	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	02/27/01		11.85	19.35	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	05/22/01		12.31	18.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	09/05/01		12.85	18.35	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	11/07/01		12.75	18.45	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	02/11/02	33.64	NM	NC	NS	NS	NS	NS	NS	NS	NS	NS	
	06/03/02		12.58	21.06	<0.5	<0.5	<0.5	<0.5	<50	0.95	NA	NA	No sheen
	08/06/02		12.93	20.71	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	No sheen
	11/14/02		13.04	20.60	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	02/20/03		12.75	20.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	05/15/03		12.45	21.19	<0.5	<0.5	<0.5	<0.5	<50	0.69	ND	ND	No sheen
	07/31/03		12.80	20.84	<0.5	<0.5	<0.5	<0.5	<50	0.65	ND	ND	No sheen
	10/28/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	NS	No sheen
	02/28/04		12.21	21.43	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	04/16/04		12.26	21.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	07/16/04		12.85	20.79	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	11/13/04		13.01	20.79	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	02/04/05		12.57	21.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	ND	ND	No sheen
	04/08/05		11.82	21.82	<0.5	<0.5	<0.5	<0.5	<50	0.78	ND	ND	No sheen
	08/10/05		12.44	21.20	<0.5	<0.5	<0.5	<0.5	<50	0.61	ND	ND	No sheen
	11/05/05		12.91	20.73	<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	ND	No sheen
	01/13/06			11.51	22.13	<0.5	<0.5	<0.5	<50	0.61	ND	ND	No sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	03/12/98	33.80	11.81	21.99	1.4	<0.5	<0.5	<0.5	72	<5.0	NA	No sheen
	05/28/98		12.14	21.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		13.16	20.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		14.56	19.24	510	24	1,200	2,800	14,000	<5.0	NA	No sheen
	03/15/99		12.40	21.40	160	16	910	2,100	14,000	<50	NA	No sheen
	06/07/99		14.06	19.74	330	14	470	880	7,800	<50	NA	No sheen
	09/07/99		14.01	19.79	150	2.6	260	370	3,200	<5.0	NA	No sheen
	12/13/99		14.91	18.89	35	<5.0	280	730	6,700	<50	NA	No sheen
	03/08/00		11.85	21.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		13.59	20.21	4.0	<0.5	4.9	2.1	140	<5.0	NA	No sheen
	11/15/00		14.94	18.86	2.0	<0.5	3.1	2.6	100	110	NA	No sheen
	02/27/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	05/22/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	09/05/01		14.68	19.12	160	<2.0	200	330	4,800	850	NA	No sheen
	11/07/01		15.10	18.70	1.1	<1.0	2.0	6.1	<100	590	NA	No sheen
	02/11/02	36.08	14.06	22.02	7.9	<5.0	16	22	<500	1,700	NA	No sheen
	06/03/02		14.25	21.83	20.0	<2.0	19	35	550	650	NA	No sheen
	08/06/02		14.55	21.53	220	<2.0	170	280	4,800	1,000	NA	No sheen
	11/14/02		14.73	21.35	250	<2.5	160	220	4,800	1,200	47 ^c	No sheen
	02/20/03		13.81	22.27	17	<1.0	19	42	760	520	16 ^c	No sheen
	05/15/03		13.68	22.40	14	<0.5	16	23	690	370	0.79 ^b , 10 ^c	No sheen
	07/31/03		14.54	21.54	29	<1.0	15	18	700	380	36 ^c	No sheen
	10/28/03		15.09	20.99	87	<1.0	34	40	2,000	490	130 ^c	No sheen
	02/28/04		13.45	22.63	21	<0.5	15	49	1,100	200	110 ^c	No sheen
	04/16/04		14.19	21.89	57	<0.5	52	75	2,900	300	140 ^c	No sheen
	07/16/04		14.76	21.32	32	<0.5	34	51	2,000	92	67 ^c	No sheen
	11/13/04		14.91	21.32	30	0.64	84	92	4,100	61	76 ^c	No sheen
	02/04/05		14.09	21.99	27	<0.5	65	92	2,700	56	38 ^c	No sheen
	04/08/05		13.11	22.97	1.1	<0.5	<0.5	<0.5	81	6.9	ND	No sheen
	08/10/05		14.20	21.88	14	<0.5	26	22	2,000	27	22 ^c	No sheen
	11/05/05	14.79	21.29	9.7	<0.5	54	67	2,300	15	21 ^c	No sheen	
	01/13/06	13.24	22.84	<0.5	<0.5	<0.5	0.51	52	0.58	ND	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Reference Elevation (ft) ^a	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments	
MW-9	03/12/98	32.56	10.93	21.63	320	23	180	720	3,700	190	NA	No sheen	
	05/28/98		11.31	21.25	110	6.4	87	300	2,200	220	NA	No sheen	
	08/31/98		12.16	20.40	240	23	690	1,900	11,000	<50	NA	No sheen	
	11/19/98		11.04	21.52	7.7	<0.5	10	22	280	67	NA	No sheen	
	03/15/99		11.81	20.75	<0.5	<0.5	<0.5	1.2	<50	<5.0	NA	No sheen	
	06/07/99		12.21	20.35	9.3	0.86	9.7	12	340	<5.0	NA	No sheen	
	09/07/99		10.10	22.46	0.76	<0.5	1.9	0.8	72	9.9	NA	No sheen	
	12/13/99		13.64	18.92	<0.5	<0.5	<0.5	<0.5	60	<5.0	NA	No sheen	
	03/08/00		10.88	21.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen	
	06/12/00		12.50	20.06	0.9	<0.5	2.7	1.3	640	10	NA	No sheen	
	11/15/00		13.60	18.96	<0.5	<0.5	0.69	<0.5	200	12	NA	No sheen	
	02/27/01		12.15	20.41	0.61	<0.5	2.2	1.2	360	42	NA	No sheen	
	05/22/01		13.20	19.36	0.57	<0.5	2.1	0.61	330	290	NA	No sheen	
	09/05/01		13.10	19.46	<2.0	<2.0	<2.0	<2.0	<200	1,100	NA	No sheen	
	11/07/01		13.85	18.71	1.0	<1.0	<1.0	<1.0	230	510	NA	No sheen	
	02/11/02		12.98	34.63	21.65	<0.5	<0.5	<0.5	<0.5	<50	41	NA	No sheen
	06/03/02		12.48		22.15	<0.5	<0.5	<0.5	<0.5	<50	55	NA	No sheen
	08/06/02	13.16	21.47		<0.5	<0.5	<0.5	<0.5	<50	65	NA	No sheen	
	11/14/02	13.15	21.48		<0.5	<0.5	<0.5	<0.5	<50	47	ND	No sheen	
	02/20/03	12.46	22.17		<0.5	<0.5	<0.5	<0.5	<50	28	ND	No sheen	
	05/15/03	12.26	22.37		<0.5	<0.5	<0.5	<0.5	<50	8.9	ND	No sheen	
	07/31/03	12.94	21.69		<0.5	<0.5	<0.5	<0.5	<50	0.85	ND	No sheen	
	10/28/03	13.83	20.80		<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	No sheen	
	02/28/04	12.59	22.04		<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	04/16/04	13.04	21.59		<0.5	<0.5	<0.5	<0.5	53	<0.5	ND	No sheen	
	07/16/04	13.52	21.11		<0.5	<0.5	<0.5	<0.5	56	<0.5	ND	No sheen	
	11/13/04	13.68	21.11		<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	02/04/05	13.04	21.59		<0.5	<0.5	<0.5	<0.5	90	<0.5	ND	No sheen	
	04/08/05	12.17	22.46		<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen	
	08/10/05	13.04	21.59		<0.5	<0.5	0.76	<0.5	260	<0.5	ND	No sheen	
	11/05/05	13.55	21.08	<0.5	<0.5	<0.5	<0.5	150	<0.5	ND	No sheen		
	01/13/06	12.30	22.33	<0.5	<0.5	0.78	<0.5	280	<0.5	ND	No sheen		

a =Referenced to mean sea level.

b =tert-amyl methyl ether

c = tert-butanol

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

Oxygenates = methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, 1,2-dichloroethane, 1,2-dibromoethane

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	06/05/97	3.2	0.72	1.2	2.5	220	NA
Effluent	06/05/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/03/97	0.30	0.67	0.23	1.8	86	NA
Effluent	07/03/97	<0.05	0.054	<0.05	0.13	<5.0	NA
Influent	07/22/97	0.76	1.6	0.92	5.3	270	NA
Effluent	07/22/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/07/97	2.0	1.3	0.53	2.7	130	NA
Effluent	08/07/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	09/04/97	1.8	0.73	1.3	5.9	190	NA
Effluent	09/04/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/24/97	0.49	0.52	0.35	2.3	54	NA
Effluent	10/24/97	<0.05	<0.05	<0.05	0.057	<5.0	NA
Effluent	11/26/97	0.094	0.089	<0.05	0.062	5.3	NA
Influent	12/10/97	<0.05	0.44	0.076	0.37	5.8	NA
Effluent	12/10/97	<0.05	0.062	<0.05	<0.05	<5.0	NA
Influent	12/12/97	0.59	0.17	0.49	2.0	26	NA
Effluent	12/12/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/23/98	0.18	0.32	0.072	0.47	18	NA
Mid-Carbon	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/07/98	0.067	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/21/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/11/98	<0.05	0.06	<0.05	0.071	<5.0	NA
Mid-Carbon	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/10/98	0.16	0.46	0.062	0.20	16	NA
Mid-Carbon	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	09/23/98	0.16	0.32	<0.05	0.20	9.4	NA
Mid-Carbon	09/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/20/98	0.63	0.19	0.062	0.17	28	NA
Mid-Carbon	10/20/98	0.79	0.37	<0.05	0.088	48	NA
Effluent	10/20/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/26/97	0.13	0.43	0.072	0.35	9.2	NA
Influent	12/08/99	0.73	2.2	0.15	0.71	43	NA
Mid-Carbon	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/13/99	0.068	0.057	<0.05	0.095	6.5	NA
Mid-Carbon	01/13/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/13/99	<0.05	<0.05	<0.05	<0.05	5.4	NA
Effluent	01/28/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/10/99	1.1	1.2	0.071	0.28	56	NA
Mid-Carbon	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/10/99	0.070	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	03/10/99	0.069	<0.05	<0.05	<0.05	28	NA
Effluent	03/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/07/99	0.22	0.078	<0.05	0.060	17	NA
Influent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/12/99	0.16	0.77	<0.05	0.18	11	NA
Mid-Carbon	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/09/99	0.092	1.0	0.20	0.94	12	NA
Mid-Carbon	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/07/99	0.069	0.41	0.07	0.38	16	NA
Mid-Carbon	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/12/99	0.96	8.6	1.1	4.7	150	NA
Mid-Carbon	10/12/99	<0.05	<0.05	<0.05	0.064	<5.0	NA
Effluent	10/12/99	<0.05	<0.05	<0.05	0.063	<5.0	NA
Influent	11/17/99	0.22	1.9	0.32	1.7	21	NA
Mid-Carbon	11/17/99	0.067	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/17/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/28/99	1.2	22	2.4	12	570	NA
Mid-Carbon	12/28/99	0.052	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/28/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/12/00	0.45	1.7	0.18	1.0	110	NA
Mid-Carbon	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/26/00	0.059	0.77	0.19	1.1	14	NA
Mid-Carbon	01/26/00	0.20	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/26/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/06/00	0.095	1.4	0.18	0.87	22	NA
Mid-Carbon	02/06/00	0.20	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/06/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/09/00	0.45	3.1	0.52	2.8	59	NA
Mid-Carbon	02/09/00	0.18	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/09/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/16/00	0.10	3.5	0.54	4.1	46	NA
Mid-Carbon	03/16/00	0.83	0.31	<0.05	<0.05	22	NA
Effluent	03/16/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/04/00	0.17	1.9	0.29	2.0	23	NA
Mid	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	05/12/00	<0.05	0.059	<0.05	0.091	<5.0	NA
Mid	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	06/19/00	<0.05	0.12	<0.05	<0.05	<5.0	NA
Mid	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/25/00	2.4	8.1	0.80	3.5	140	NA
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	07/25/00	2.4	8.1	0.80	3.5	140	NA
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	08/09/00	2.4	8.1	0.80	3.5	140	NA
Mid	08/09/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	08/09/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	09/06/00	2.4	8.1	0.80	3.5	140	NA
Mid	09/06/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	09/06/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	10/17/00	<0.05	0.075	<0.05	0.14	<5.0	NA
Mid	10/17/00	<0.050	0.07	<0.050	<0.050	<5.0	NA
Effluent	10/17/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/00	<0.05	0.24	0.08	0.29	<5.0	NA
Mid	11/29/00	<0.05	0.07	<0.05	0.18	<5.0	NA
Effluent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0	NA
Mid	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/07/01	0.12	0.85	0.16	0.92	17	NA
Mid	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/23/01	0.19	1.6	0.19	1.1	32	NA
Mid	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0	NA
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/01/01	0.97	1.2	0.13	0.64	18	NA
Mid	03/01/01	<0.05	0.053	<0.05	<0.098	<5.0	NA
Effluent	03/01/01	<0.05	0.053	<0.05	0.13	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	10/17/2000	<0.05	0.075	<0.05	0.14	<5.0	NA
Mid-Carbon	10/17/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	10/17/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/2000	<0.05	0.24	0.08	0.29	<5.0	NA
Mid-Carbon	11/29/2000	<0.05	0.07	<0.05	0.18	<5.0	NA
Effluent	11/29/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0	NA
Mid-Carbon	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/07/01	0.12	0.85	0.16	0.92	17	NA
Mid-Carbon	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/23/01	0.19	1.6	0.19	1.1	32	NA
Mid-Carbon	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0	NA
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/01/01	0.97	1.2	0.13	0.64	18	NA
Mid-Carbon	03/01/01	<0.05	0.053	<0.05	0.098	<5.0	NA
Effluent	03/01/01	<0.05	0.11	<0.05	0.13	<5.0	NA
Influent	04/18/01	0.1	0.63	0.12	0.56	18	NA
Mid-Carbon	04/18/01	<0.05	<0.05	<0.05	0.078	<5.0	NA
Effluent	04/18/01	<0.05	<0.05	<0.05	0.11	<5.0	NA
Influent	05/21/01	0.088	1.0	0.31	1.5	20	NA
Mid-Carbon	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/05/01	0.15	1.5	0.36	1.6	24	NA
Mid-Carbon	06/05/01	<0.05	0.053	<0.05	0.098	9.1	NA
Effluent	06/05/01	<0.05	<0.05	<0.05	<0.05	5.6	NA
Influent	07/16/01	<0.05	0.11	<0.05	0.14	<5.0	NA
Mid-Carbon	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/24/01	0.15	1.1	0.16	0.71	19	NA
Mid-Carbon	08/24/01	<0.05	0.055	<0.05	<0.05	<5.0	NA
Effluent	08/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/06/01	0.28	1.8	0.38	1.6	37	NA
Mid-Carbon	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/23/01	0.11	0.17	<0.05	0.10	<5.0	NA
Mid-Carbon	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/13/01	0.076	0.16	<0.05	0.063	<5.0	NA
Mid-Carbon	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/29/02	<0.05	0.12	<0.05	0.067	<5.0	NA
Mid-Carbon	01/29/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/29/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/20/02	0.054	0.12	<0.05	<0.05	<5.0	NA
Mid-Carbon	03/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	03/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/18/02	<0.05	0.076	<0.05	0.092	<5.0	0.16
Mid-Carbon	04/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	2.1
Effluent	04/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.32
Influent	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/13/02	<0.05	0.07	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.2
Mid-Carbon	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.94
Effluent	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	1.5
Influent	09/23/02	<0.05	0.19	<0.05	0.12	<5.0	1.2
Mid-Carbon	09/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	1.9
Effluent	09/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	2.0

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	10/21/02	<0.05	0.46	0.068	0.33	7.3	0.93
Mid-Carbon	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	11/24/02	0.064	0.8	0.11	0.56	12	2.3
Mid-Carbon	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	12/20/02	0.18	2.6	0.34	1.4	27	4.7
Mid-Carbon	12/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.63
Effluent	12/20/02	<0.05	0.13	<0.05	0.052	<5.0	0.24
Influent	01/29/03	<0.05	0.11	<0.05	0.071	<5.0	NA
Mid-Carbon	01/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/20/03	<0.05	0.19	<0.05	0.17	<5.0	0.61
Mid-Carbon	02/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	02/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	03/20/03	<0.05	0.12	<0.05	0.11	<5.0	0.59
Mid-Carbon	03/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	03/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	04/22/03	<0.05	0.15	0.067	0.44	5.6	1.1
Mid-Carbon	04/22/03	<0.05	<0.05	<0.05	<0.05	<5.0	1.6
Effluent	04/22/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.91
Influent	05/29/03	<0.05	0.094	<0.05	0.084	<5.0	0.96
Mid-Carbon	05/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	3.3
Effluent	05/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.85
Influent	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	2.2
Mid-Carbon	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.55
Effluent	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.50
Influent	07/21/03	<0.05	0.077	<0.05	<0.05	<5.0	3.2
Mid-Carbon	07/21/03	0.064	<0.05	<0.05	<0.05	<5.0	1.2
Effluent	07/21/03	<0.05	<0.05	<0.05	<0.05	<5.0	2.0
Influent	08/20/03	0.18	1.0	0.095	0.58	23	2.3
Mid-Carbon	08/20/03	0.058	<0.05	<0.05	<0.05	<5.0	1.9
Effluent	08/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	11/26/03	0.86	9.5	1.2	5.4	210	4.9
Mid-Carbon	11/26/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	11/26/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	12/29/03	0.21	4.1	0.68	4.1	69	<0.05
Mid-Carbon	12/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	12/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	01/28/04	0.13	1.7	0.31	1.4	29	<0.10
Mid-Carbon	01/28/04	<0.05	0.078	<0.05	0.36	<5.0	<0.10
Effluent	01/28/04	<0.05	0.092	0.061	0.49	<5.0	<0.10
Influent	02/29/04	0.12	0.91	0.29	2.0	24	<0.10
Mid-Carbon	02/29/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	02/29/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	03/15/04	0.13	0.72	0.15	0.88	15	<0.05
Mid-Carbon	03/15/04	<0.05	<0.05	<0.05	0.056	<5.0	<0.05
Effluent	03/15/04	<0.05	<0.05	<0.05	0.38	<5.0	<0.05
Influent	05/26/04	0.13	0.88	0.24	1.3	19	<0.05
Mid-Carbon	05/26/04	<0.05	<0.05	<0.05	0.15	<5.0	<0.05
Effluent	05/26/04	<0.05	0.07	0.066	0.51	7.2	<0.05
Influent	06/30/04	0.15	0.83	0.30	1.7	33	<0.05
Mid-Carbon	06/30/04	<0.05	<0.05	<0.05	<0.05	16	<0.05
Effluent	06/30/04	<0.05	<0.05	<0.05	<0.05	5.2	<0.05
Influent	08/30/04	<0.05	0.05	<0.05	0.14	<5.0	<0.05
Mid-Carbon	08/30/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	08/30/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	09/19/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	09/19/04	<0.05	<0.05	<0.05	<0.05	6.2*	<0.05
Effluent	09/19/04	<0.05	<0.05	<0.05	<0.05	5.6*	<0.05
Influent	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	11/23/04	<0.05	0.056	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	11/23/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	11/23/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	04/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	04/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	04/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	05/30/05	<0.05	0.08	0.086	0.68	14	0.06
Mid-Carbon	05/30/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	05/30/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	06/28/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	06/28/05	<0.05	<0.05	<0.05	<0.05	32*	<0.05
Effluent	06/28/05	<0.05	<0.05	<0.05	<0.05	26*	<0.05
Influent	07/28/05	<0.05	<0.05	<0.05	<0.05	58*	<0.05
Mid-Carbon	07/28/05	<0.05	<0.05	<0.05	<0.05	36*	<0.05
Effluent	07/28/05	<0.05	<0.05	<0.05	<0.05	70*	<0.05
Influent	08/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	08/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	08/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	09/29/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	09/29/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	09/29/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	10/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	10/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	10/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	11/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	11/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	11/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	12/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	12/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	12/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	01/29/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	01/29/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	01/29/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	02/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	02/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	02/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05

TABLE 2**SVE SYSTEM ANALYTICAL RESULTS**

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

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl- benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	03/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	03/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	03/27/06	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05

TPH = Total petroleum hydrocarbons.

MTBE = methyl -t-butyl ether

mg/L = Micrograms per liter.

ppmv = parts per million by volume.

* = It was determined the tedlar bag manufacturer had produced and shipped contaminated bags.

TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS

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

Date	Influent	Effluent	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH	TPH	Benzene	Benzene	FID or LAB	Cumulative	Cumulative	Total Hours	Change in hours of operation
	Flow Rate (ft ³ /min)	Flow Rate (ft ³ /min)							Extraction Rate (lbs/day)	Mass Emission (lbs/day)	Extraction Rate (lbs/day)	Emission Rate (lbs/day)		TPH Extraction (lbs)	TPH Extraction (gallons)		
08/18/98	---	---	---	---	---	---	---	---	---	---	---	---	---	1,715	---	---	---
09/10/98	98	98	16	<5.0	0.16	<0.05	NC	NC	0.50	< 0.16	0.005	< 0.002	LAB	1,721	282	2,587	552
09/23/98	98	98	9.4	<5.0	0.16	<0.05	NC	NC	0.29	< 0.16	0.005	< 0.002	LAB	1,726	283	2,907	320
10/20/98	59	59	28	<5.0	0.63	<0.05	NC	NC	0.53	< 0.09	0.012	< 0.001	LAB	1,727	283	2,962	55
12/08/98	49	49	43	<5.0	0.73	<0.05	NC	NC	0.67	< 0.08	0.011	< 0.001	LAB	1,727	283	3,803	0*
01/13/99	49	49	6.5	5.4	0.068	<0.05	16.9	NC	0.10	0.08	0.001	< 0.001	LAB	1,738	285	4,495	692
02/10/99	44	44	56	<5.0	1.1	<0.05	NC	NC	0.79	< 0.07	0.016	< 0.001	LAB	1,738	285	4,496	1
03/10/99	15	15	<5.0	<5.0	0.07	<0.05	NC	NC	< 0.02	< 0.02	0.001	< 0.001	LAB	1,750	287	5,172	676
06/08/99	35	35	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	1,750	287	5,173	1
07/12/99	39	39	11	<5.0	0.16	<0.05	NC	NC	0.14	< 0.06	0.002	< 0.001	LAB	1,753	287	5,982	809
08/04/99	39	39	12	<5.0	0.092	<0.05	NC	NC	0.15	< 0.06	0.001	< 0.001	LAB	1,756	288	6,534	552
09/07/99	39	39	16	<5.0	0.069	<0.05	NC	NC	0.20	< 0.06	0.001	< 0.001	LAB	1,762	289	7,351	817
10/12/99	54	54	150	<5.0	0.96	<0.05	NC	NC	2.59	< 0.09	0.015	< 0.001	LAB	1,772	290	7,998	167**
11/17/99	49	49	21	<5.0	0.22	<0.05	NC	NC	0.33	< 0.08	0.003	< 0.001	LAB	1,825	299	8,866	868
12/28/00	49	49	570	<5.0	1.2	<0.05	NC	NC	8.96	< 0.08	0.017	< 0.001	LAB	1,825	299	8,867	1
01/12/00	79	79	110	<5.0	0.45	<0.05	NC	NC	2.77	< 0.13	0.010	< 0.001	LAB	1,907	313	9,202	335
01/26/00	79	79	14	<5.0	0.059	<0.05	NC	NC	0.35	< 0.13	0.001	< 0.001	LAB	1,929	316	9,540	338
02/09/00	79	79	59	<5.0	0.45	<0.05	NC	NC	1.48	< 0.13	0.010	< 0.001	LAB	1,933	317	9,662	122
03/16/00	79	79	46	<5.0	0.1	<0.05	NC	NC	1.16	< 0.13	0.002	< 0.001	LAB	1,981	325	10,525	863
04/04/00	41	41	23	<5.0	0.17	<0.05	NC	NC	0.30	< 0.07	0.002	< 0.001	LAB	1,981	325	10,526	2
05/12/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	1,986	326	11,164	638
06/19/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	1,988	326	12,071	907
07/11/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	1,990	326	12,601	530
07/25/00	41	41	140	< 5.4	2.4	<0.05	96.1	NC	1.85	0.07	0.029	< 0.001	LAB	2,003	328	12,937	336
08/09/00	41	41	2200	<5.0	25	<0.05	NC	NC	29.05	< 0.07	0.299	< 0.001	LAB	2,004	329	12,938	1
09/06/00	41	41	6.8	<5.0	<0.05	<0.05	NC	NC	0.09	< 0.07	< 0.001	< 0.001	LAB	2,409	395	13,606	668

TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS

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

Date	Influent	Effluent	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH	TPH	Benzene	Benzene	FID or LAB	Cumulative	Cumulative	Total Hours	Change in hours of operation
	Flow Rate (ft ³ /min)	Flow Rate (ft ³ /min)							Extraction Rate (lbs/day)	Mass Emission (lbs/day)	Extraction Rate (lbs/day)	Emission Rate (lbs/day)		TPH Extraction (lbs)	TPH Extraction (gallons)		
10/17/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,411	395	14,054	448
11/29/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,414	396	15,062	1,008
12/07/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,414	396	15,328	266
01/19/01	87	87	17.0	<5.0	0.12	<0.05	NC	NC	0.47	< 0.14	0.003	< 0.001	LAB	2,425	397	16,259	931
02/23/01	67	67	32.0	<5.0	0.19	<0.05	NC	NC	0.69	< 0.11	0.004	< 0.001	LAB	2,445	401	17,096	837
03/01/01	60	60	18.0	<5.0	0.097	<0.05	NC	NC	0.35	< 0.10	0.002	< 0.001	LAB	2,448	401	17,247	151
04/18/01	62	62	18.0	<5.0	0.1	<0.05	NC	NC	0.36	< 0.10	0.002	< 0.001	LAB	2,465	404	18,396	1,149
05/21/01	65	65	20.0	<5.0	0.088	<0.05	NC	NC	0.42	< 0.10	0.002	< 0.001	LAB	2,477	406	19,160	764
06/05/01	78	78	24.0	<5.0	0.15	<0.05	NC	NC	0.60	< 0.12	0.003	< 0.001	LAB	2,485	407	19,514	354
07/16/01	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,494	409	20,157	643
08/24/01	45	45	19.0	<5.0	0.15	<0.05	NC	NC	0.27	< 0.07	0.002	< 0.001	LAB	2,500	410	21,098	941
09/06/01	50	50	37.0	<5.0	0.28	<0.05	NC	NC	0.59	< 0.08	0.004	< 0.001	LAB	2,506	411	21,406	308
11/23/01	60	60	<5.0	<5.0	0.11	<0.05	NC	NC	< 0.10	< 0.10	0.002	< 0.001	LAB	2,518	413	22,246	840
12/13/01	65	65	<5.0	<5.0	0.076	<0.05	NC	NC	< 0.10	< 0.10	0.001	< 0.001	LAB	2,520	413	22,728	482
01/29/02	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,525	414	23,850	1,122
03/20/02	65	65	<5.0	<5.0	0.054	<0.05	NC	NC	< 0.10	< 0.10	0.001	< 0.001	LAB	2,530	415	25,054	1,204
04/18/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,533	415	25,743	689
05/13/02	64	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,535	416	26,358	615
06/13/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,538	416	27,071	713
07/22/02	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,543	417	28,027	956
08/21/02	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,546	417	28,750	722
09/23/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,549	418	29,536	787
10/21/02	69	69	7.3	<5.0	<0.05	<0.05	NC	NC	0.16	< 0.11	< 0.001	< 0.001	LAB	2,553	419	30,212	676
11/24/02	70	70	12.0	<5.0	0.064	<0.05	NC	NC	0.27	< 0.11	0.001	< 0.001	LAB	2,560	420	31,024	812
12/20/02	62	62	27.0	<5.0	0.18	<0.05	NC	NC	0.54	< 0.10	0.003	< 0.001	LAB	2,571	421	31,654	630
01/29/03	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,584	424	32,613	959
02/20/03	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,586	424	33,138	525
03/20/03	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,587	424	33,426	288
04/22/03	65	65	5.6	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.10	< 0.001	< 0.001	LAB	2,593	425	34,600	1,175

TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS

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

Date	Influent	Effluent	TPH		Benzene		TPH		TPH	Benzene	Benzene	FID or LAB	Cumulative	Cumulative	Total Hours	Change in hours of operation	
	Flow Rate (ft ³ /min)	Flow Rate (ft ³ /min)	TPH Influent (ppmv)	TPH Effluent (ppmv)	Influent (ppmv)	Effluent (ppmv)	Removal (%)	Removal (%)	Extraction Rate (lbs/day)	Mass Emission (lbs/day)	Extraction Rate (lbs/day)		Emission Rate (lbs/day)	TPH Extraction (lbs)			TPH Extraction (gallons)
05/29/03	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,597	426	35,480	880
06/10/03	64	64	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,598	426	35,776	296
07/21/03	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,602	427	36,760	984
08/20/03	61	61	23.0	<5.0	0.18	<0.05	NC	NC	0.45	< 0.10	0.003	< 0.001	LAB	2,610	428	37,485	726
11/26/03	82	82	210.0	<5.0	0.86	<0.05	NC	NC	5.51	< 0.13	0.020	< 0.001	LAB	2,664	437	37,916	431
12/29/03	118	118	69.0	<5.0	0.21	<0.05	NC	NC	2.61	< 0.19	0.007	< 0.002	LAB	2,802	459	38,732	816
01/28/04	120	120	29.0	<5.0	0.13	<0.05	NC	NC	1.11	< 0.19	0.005	< 0.002	LAB	2,858	469	39,452	720
02/29/04	119	119	24.0	<5.0	0.12	<0.05	NC	NC	0.91	< 0.19	0.004	< 0.002	LAB	2,890	474	40,220	768
03/15/04	121	121	15.0	<5.0	0.13	<0.05	NC	NC	0.58	< 0.19	0.005	< 0.002	LAB	2,902	476	40,580	360
05/26/04	75	75	19.0	<5.0	0.13	<0.05	NC	NC	0.46	< 0.12	0.003	< 0.001	LAB	2,925	479	41,660	1,080
06/30/04	85	85	33.0	<5.0	0.15	<0.05	NC	NC	0.90	< 0.14	0.004	< 0.001	LAB	2,949	483	42,500	840
08/30/04	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	2,971	487	43,580	1,080
09/19/04	72	72	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.12	0.001	< 0.001	LAB	2,973	487	44,060	480
10/28/04	71	71	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	2,978	488	44,996	936
11/23/04	80	80	<5.0	<5.0	<0.05	<0.05	NC	NC	0.13	< 0.13	0.001	< 0.001	LAB	2,981	489	45,620	624
12/26/04	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	2,985	489	46,412	792
01/26/05	78	78	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.12	0.001	< 0.001	LAB	2,989	490	47,154	742
02/27/05	69	69	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	2,992	491	47,922	768
03/24/05	75	75	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.12	0.001	< 0.001	LAB	2,995	491	48,525	603
04/26/05	80	80	<5.0	<5.0	<0.05	<0.05	NC	NC	0.13	< 0.13	0.001	< 0.001	LAB	3,000	492	49,341	816
05/30/05	75	75	14.0	<5.0	<0.05	<0.05	NC	NC	0.34	< 0.12	0.001	< 0.001	LAB	3,008	493	50,181	840
06/28/05	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	0.10	< 0.10	0.001	< 0.001	LAB	3,014	494	50,901	720
07/28/05	70	70	58.0	<5.0	<0.05	<0.05	NC	NC	1.30	< 0.11	0.001	< 0.001	LAB	3,035	498	51,623	722
08/24/05	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	3,055	501	52,276	653
09/29/05	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	0.10	< 0.10	0.001	< 0.001	LAB	3,058	501	53,140	864
10/26/05	88	88	<5.0	<5.0	<0.05	<0.05	NC	NC	0.14	< 0.14	0.001	< 0.001	LAB	3,062	502	53,819	679
11/27/05	72	72	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.12	0.001	< 0.001	LAB	3,066	503	54,590	771
12/27/05	82	82	<5.0	<5.0	<0.05	<0.05	NC	NC	0.13	< 0.13	0.001	< 0.001	LAB	3,070	503	55,308	718

TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS

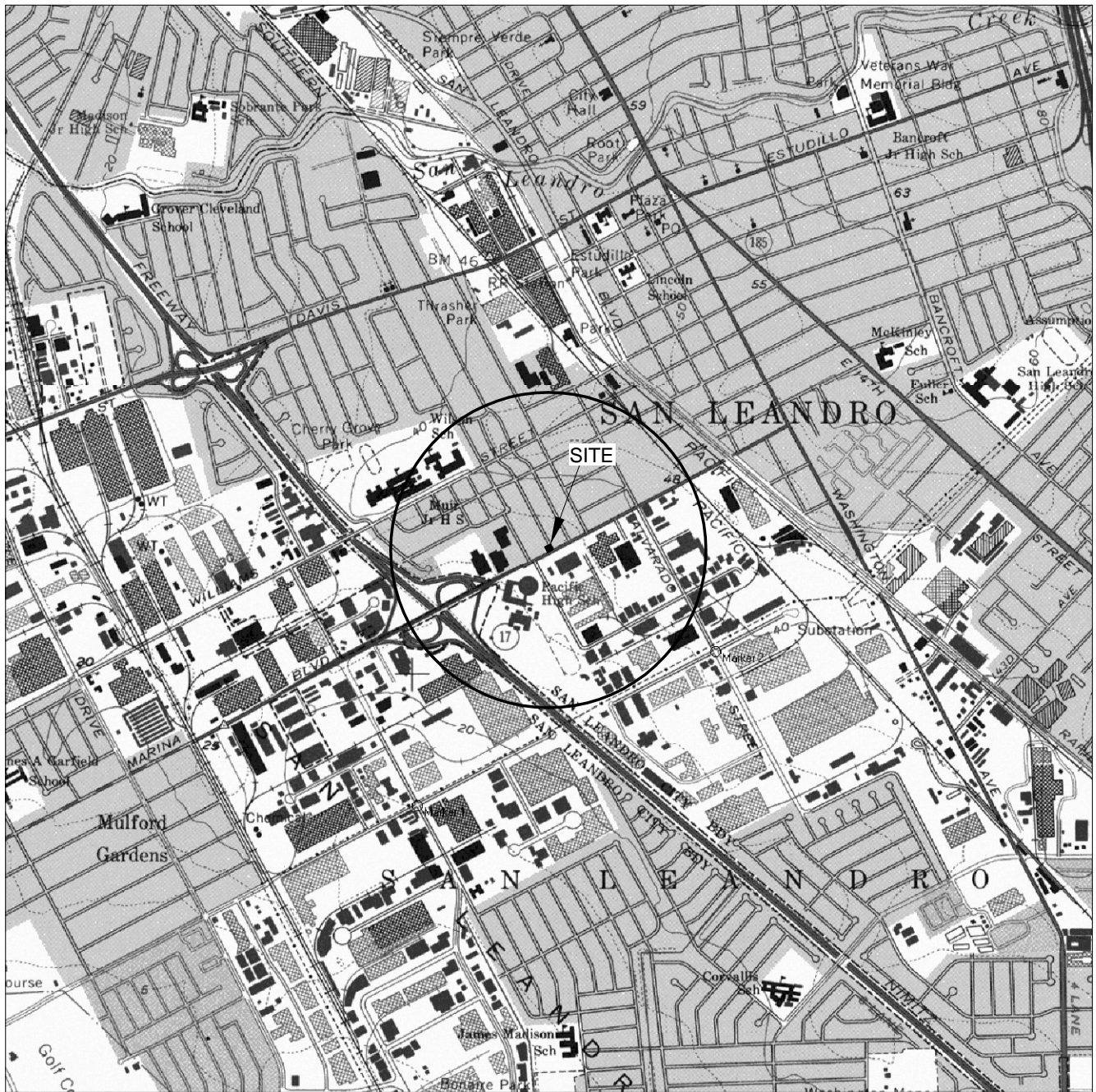
Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent Flow Rate (ft ³ /min)	Effluent Flow Rate (ft ³ /min)	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH Extraction Rate (lbs/day)	TPH Mass Emission (lbs/day)	Benzene Extraction Rate (lbs/day)	Benzene Emission Rate (lbs/day)	FID or LAB	Cumulative TPH Extraction (lbs)	Cumulative TPH Extraction (gallons)	Total Hours	Change in hours of operation
01/29/06	75	75	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.12	0.001	< 0.001	LAB	3,074	504	56,097	789
02/27/06	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	0.10	< 0.10	0.001	< 0.001	LAB	3,077	504	56,794	697
03/27/06	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	< 0.11	0.001	< 0.001	LAB	3,080	505	57,468	674

* The system was running on ambient air, thus change in hours are zero.

** The system was running on ambient air from 9/22/99 to 10/12/99, the change in hours only represents time the system was extracting soil vapor.

NC = Not Calculated



R.3 W.

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



QUADRANGLE LOCATION

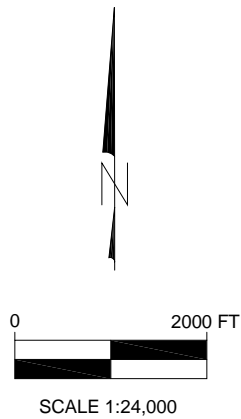
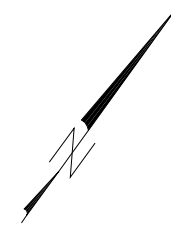


FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

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

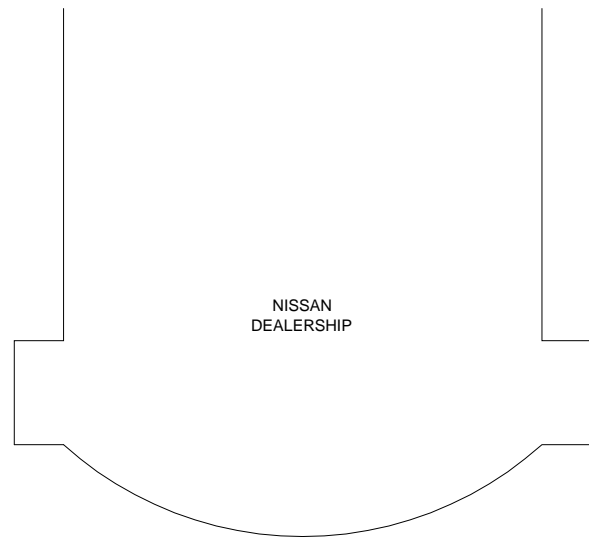




JOE'S
TIRE
STORE

WAYNE AVENUE

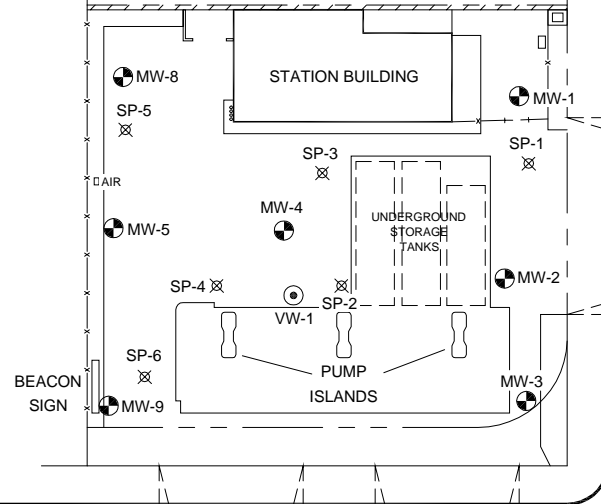
MW-7



NISSAN
DEALERSHIP

2123

2119



STATION BUILDING

SP-3

MW-4

SP-2

VW-1

SP-4

SP-6

MW-9

BEACON
SIGN

SP-5

MW-8

SP-1

MW-1

SP-3

MW-2

SP-2

MW-3

PUMP
ISLANDS

UNDERGROUND
STORAGE
TANKS

EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6

FORD
DEALERSHIP

NOTES:

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



LEGEND:

- PROPERTY LINE
- x-x- FENCE
- MW-1 MONITORING WELL LOCATION
- VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION

FIGURE 2
SITE MAP
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 5/19/04
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

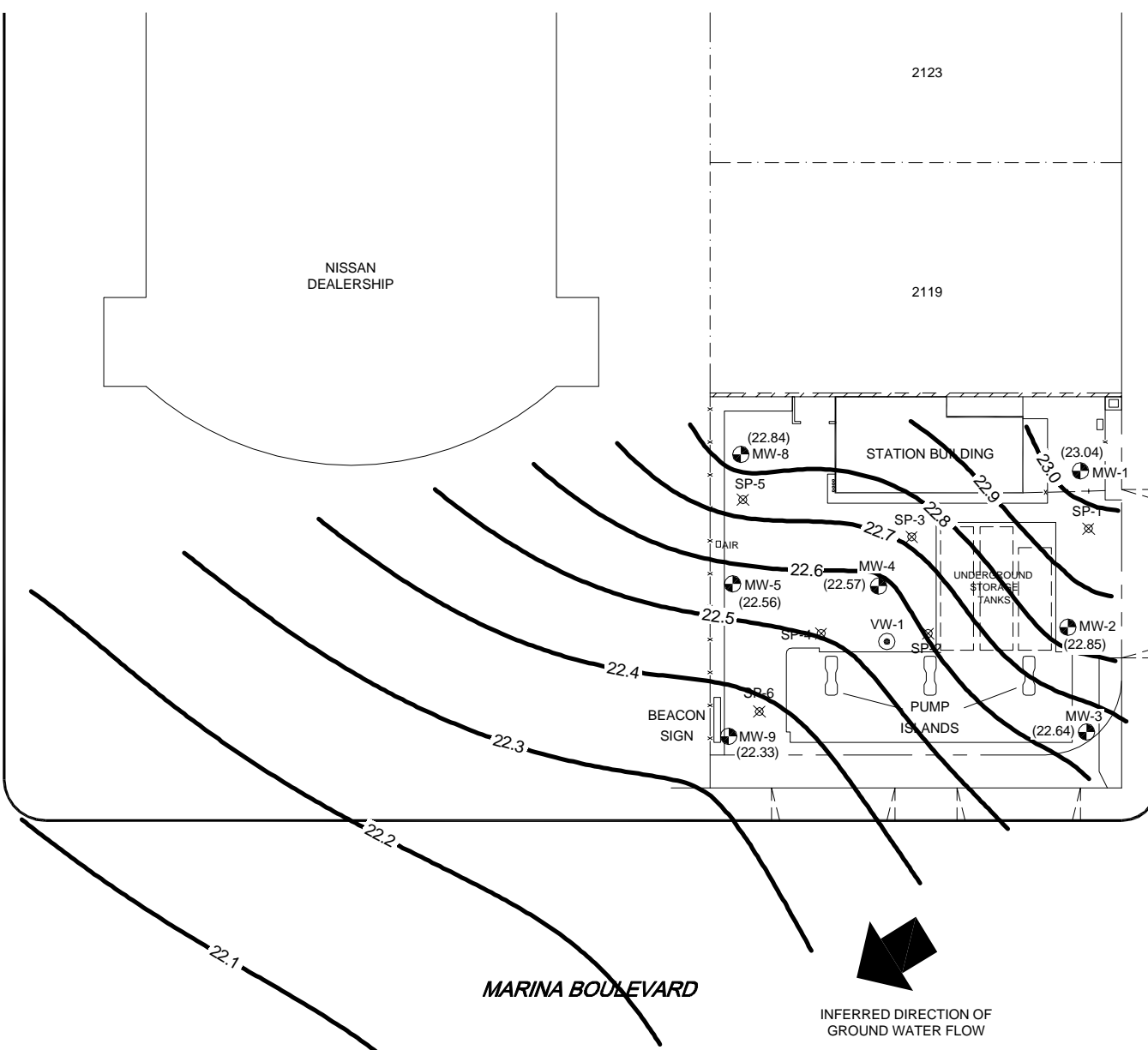




JOE'S
TIRE
STORE

WAYNE AVENUE

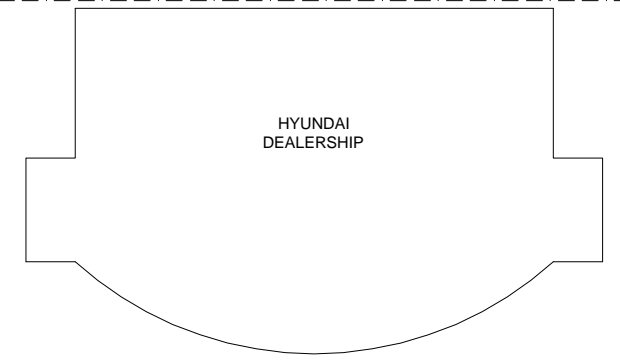
(22.13) MW-7



EVELETH AVENUE

2123

2120



HYUNDAI
DEALERSHIP

NISSAN
DEALERSHIP

2123

2119

STATION BUILDING

UNDERGROUND
STORAGE
TANKS

PUMP
ISLANDS

BEACON
SIGN

MARINA BOULEVARD

INFERRED DIRECTION OF
GROUND WATER FLOW

FORD
DEALERSHIP

MW-6
(22.04)

LEGEND:

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

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

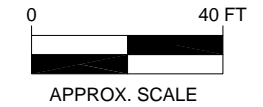
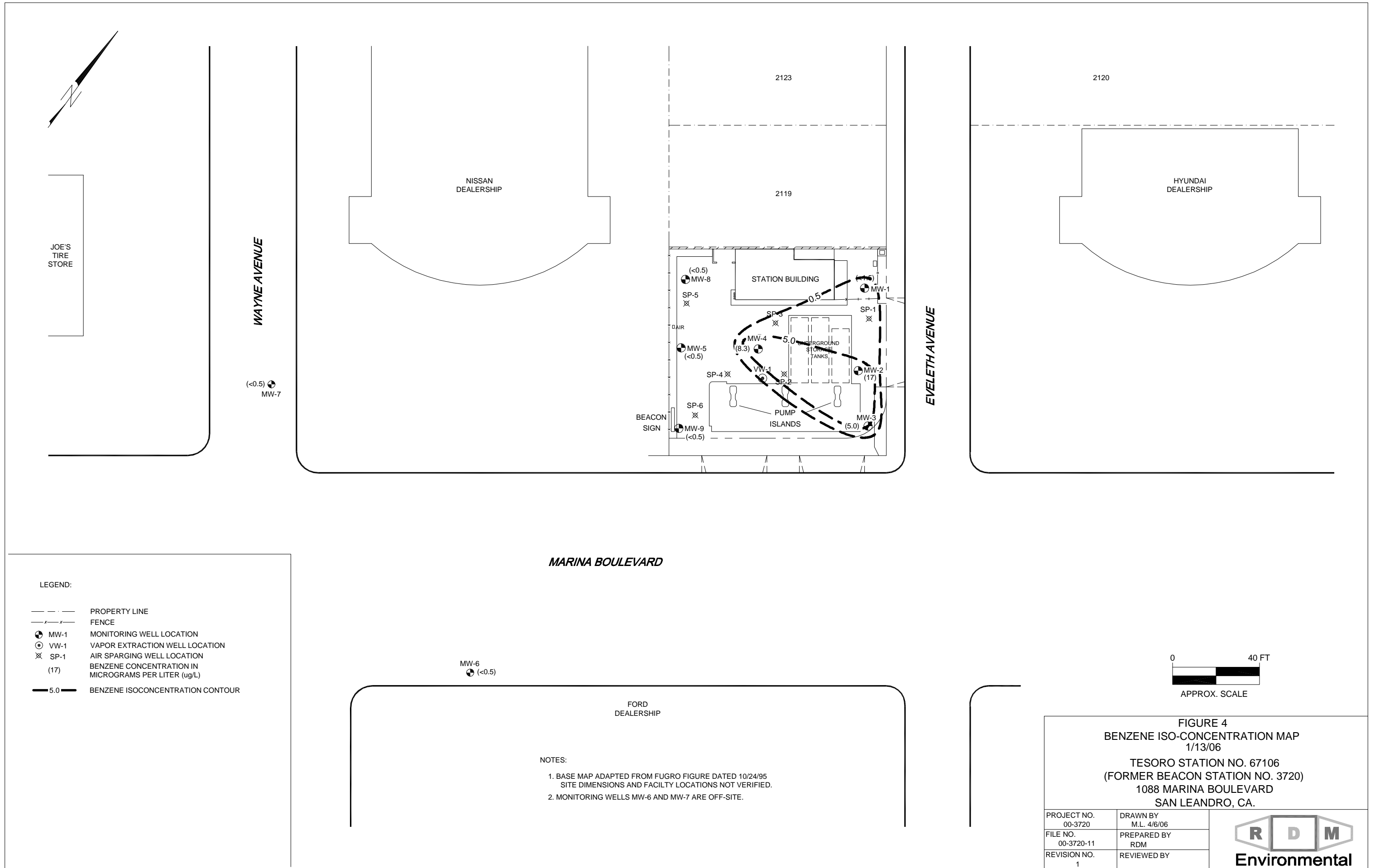


FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
1/13/06
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 4/6/06
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY







JOE'S
TIRE
STORE

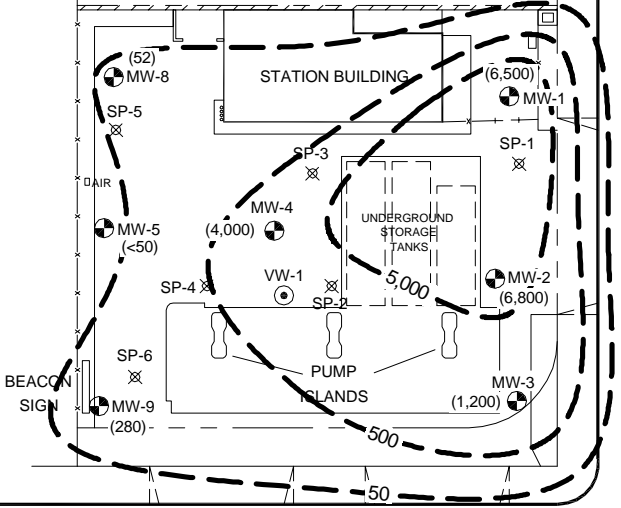
WAYNE AVENUE

MW-7
(<50)

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

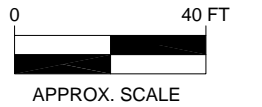
2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6
(<50)

FORD
DEALERSHIP



APPROX. SCALE

LEGEND:
 --- PROPERTY LINE
 - - - FENCE
 ● MW-1 MONITORING WELL LOCATION
 ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
 ⊗ SP-1 AIR SPARGING WELL LOCATION
 (6,800) TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 — 500 — TPHg ISOCONCENTRATION CONTOUR

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

FIGURE 5
TPHg ISOCONCENTRATION MAP
 1/13/06
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 4/6/06
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



JOE'S
TIRE
STORE

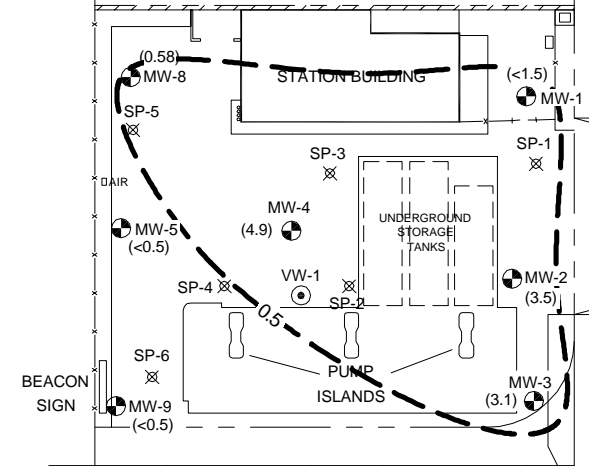
WAYNE AVENUE

MW-7
(0.61)
0.5

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

2120

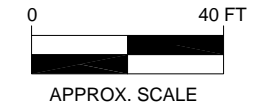
HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6
(<0.5)

FORD
DEALERSHIP

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



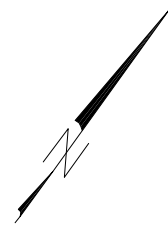
- LEGEND:
- PROPERTY LINE
 - - - FENCE
 - MW-1 MONITORING WELL LOCATION
 - ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
 - ⊗ SP-1 AIR SPARGING WELL LOCATION
 - (4.9) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 - - - 0.5 MTBE ISOCONCENTRATION CONTOUR

FIGURE 6
MTBE ISOCONCENTRATION MAP
1/13/06

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

PROJECT NO. 00-3720	DRAWN BY M.L. 4/6/06
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM
Environmental



JOE'S
TIRE
STORE

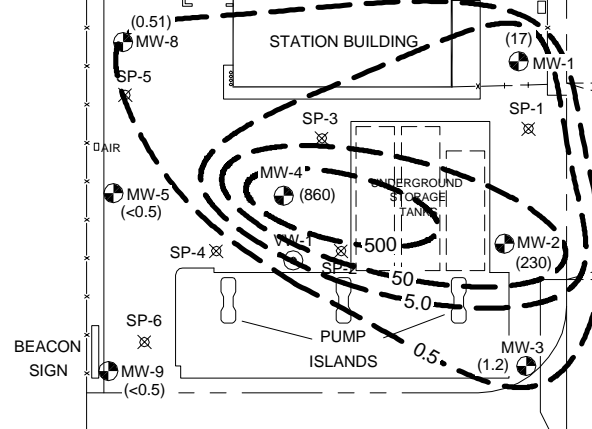
WAYNE AVENUE

(<0.5) MW-7

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6
(<0.5)

FORD
DEALERSHIP

NOTES:

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



APPROX. SCALE

LEGEND:

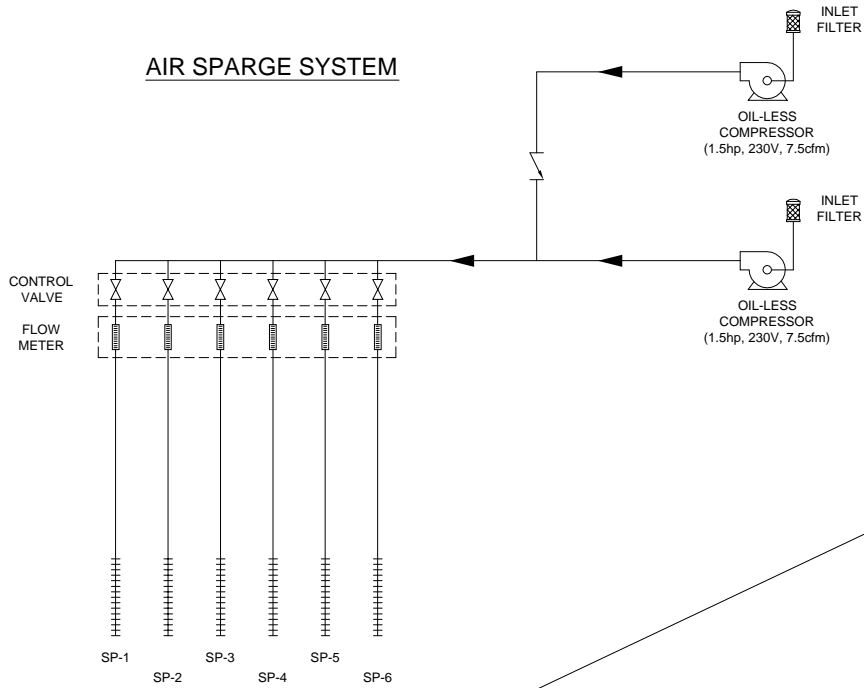
- · - · - PROPERTY LINE
- - - - - FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (860) XYLENES CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- · · - · XYLENES ISOCONCENTRATION CONTOUR

FIGURE 7
XYLENES ISOCONCENTRATION MAP
1/13/06
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 4/6/06
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



AIR SPARGE SYSTEM



SOIL VAPOR EXTRACTION SYSTEM

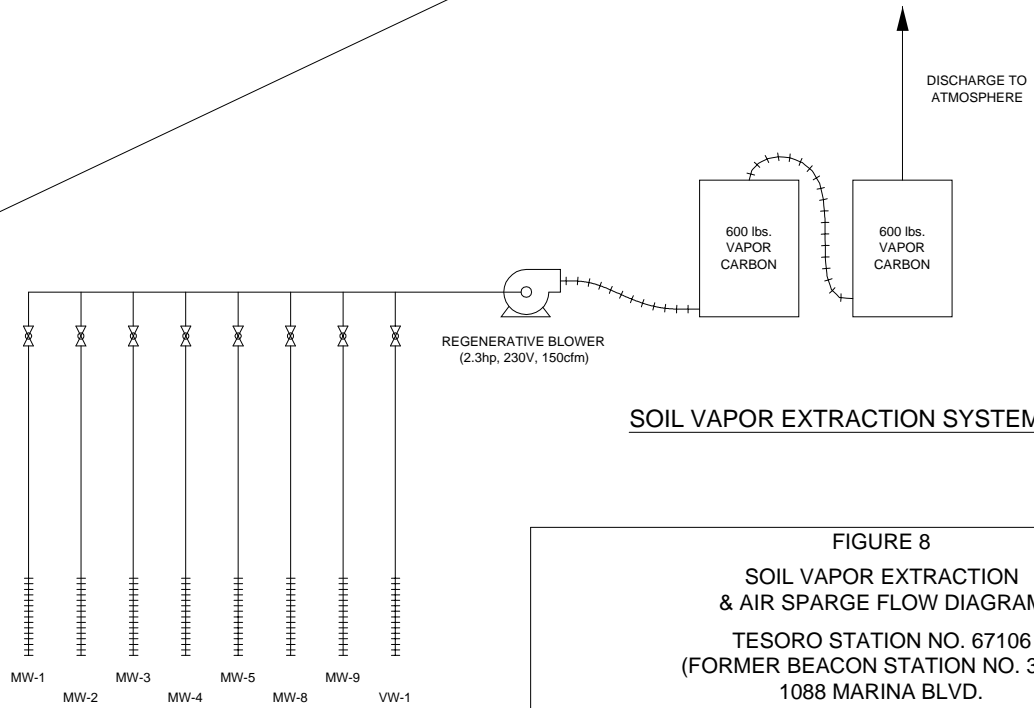


FIGURE 8
SOIL VAPOR EXTRACTION
& AIR SPARGE FLOW DIAGRAM
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BLVD.
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 2/18/04
FILE NO. 00-3720-10	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

Environmental

Appendix A

Ground Water Sampling Data Sheets –
Quarterly Ground Water Samples

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-1</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>1428</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>o/s lock</u>
Height of Riser	<u>6'</u>	
Well Box	<input checked="" type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 24"	Type of well box <u>CNI</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	<input checked="" type="checkbox"/>	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	_____

Sampling -

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

Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>2.55</u>
Time: <u>0958</u>	_____	Time: _____	_____	Actual Purge <u>3.0</u>
Depth of Well	<u>17.74</u>	Depth to Water	_____	
Depth to Water	<u>12.43</u>			

Sample

Start Purge	<u>1430</u>	Sample Time	<u>1442</u>			
Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
1434	66.8	274	6.60			1
1437	67.0	282	6.51			2
1439	67.0	287	6.48			3

Sample Appearance CLEAR Lock N/A

Equipment Replacement

Lock N/A Well Cap ok Bolts -2 Box ok

Remarks: _____

Client: Tesoro Sample Data: 1/13/2006
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-2

Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 1405 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 3"
 Well Box 8" 12" 24" Type of well box Pomoco

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer Teflon Bailer _____ Disposable Tubing _____

Well Purging

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier 0.16 0.65 1.47 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 4.82
 Time: 0955 Time: _____ Actual Purge 5.0
 Depth of Well 22.31 Depth to Water _____
 Depth to Water 12.26

Sample

Start Purge 1408 Sample Time 1425

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
1414	66.5	313	6.86			1
1419	66.1	295	6.77			2
1422	66.4	293	6.73			3

Sample Appearance CLOUDY Lock ok

Equipment Replacement

Lock ok Well Cap ok Bolts -1 Box ok

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-3</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0948</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>2"</u>	
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box <u>CNI</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

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

Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.78</u>
Time:	<u>0948</u>	Time:	_____	Actual Purge <u>8.0</u>
Depth of Well	<u>28.4</u>	Depth to Water	_____	
Depth to Water	<u>12.20</u>			

Sample

Start Purge	<u>1202</u>	Sample Time	<u>1219</u>
-------------	-------------	-------------	-------------

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1206</u>	<u>71.9</u>	<u>308</u>	<u>6.65</u>			<u>1</u>
<u>1210</u>	<u>72.0</u>	<u>307</u>	<u>6.55</u>			<u>2</u>
<u>1215</u>	<u>72.0</u>	<u>308</u>	<u>6.53</u>			<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
-------------------	--------------	------	-----------

Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>04</u>	Box	<u>04</u>
------	-----------	----------	-----------	-------	-----------	-----	-----------

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-4</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0954</u> hours
Standing water	Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: <u>OZONE SPARK POINT</u>
Height of Riser	<u>3"</u>	
Well Box 8" 12" <input checked="" type="radio"/> 24"	Type of well box	<u>NOT MARKED</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	<u>X</u>	Teflon Bailer	_____	Disposable Tubing	_____
-------------------	----------	---------------	-------	-------------------	-------

Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.05</u>
Time: <u>0954</u>	_____	Time: _____	_____	Actual Purge <u>7.0</u>
Depth of Well	<u>27.45</u>	Depth to Water	_____	
Depth to Water	<u>12.76</u>			

Sample

Start Purge	<u>1310</u>	Sample Time	<u>1358</u>
-------------	-------------	-------------	-------------

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1329</u>	<u>71.2</u>	<u>480</u>	<u>7.18</u>			<u>2.5 gal</u>
<u>1344</u>	<u>73.2</u>	<u>536</u>	<u>6.98</u>			<u>4.5 gal</u>
<u>1349</u>	<u>72.6</u>	<u>496</u>	<u>6.85</u>			<u>6.0 gal</u>
<u>1354</u>	<u>74.0</u>	<u>490</u>	<u>6.77</u>			<u>7.0 gal</u>

Sample Appearance	<u>CLOUDY</u>	Lock	<u>N/A</u>
-------------------	---------------	------	------------

Equipment Replacement

Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>-1</u>	Box	<u>ONE BOLT SHEAR OFF IN THREADS</u>
------	------------	----------	-----------	-------	-----------	-----	--------------------------------------

Remarks: OZONE SPARK BLOCK IS MISSING
DEWATERED AFTER 2.25 gallons Allowed 15 minute recharge
DEWATERED AFTER 4.0 gallons Allowed 10 minute recharge

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-5</u>

Signature: [Signature]

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0946</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>OZONE SPARGE POINT</u>
Height of Riser	<u>2"</u>	
Well Box	8" 12" <input checked="" type="radio"/> 24"	Type of well box <u>Not Marked</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

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

Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.81</u>
Time: <u>0946</u>		Time: _____		Actual Purge <u>8.0</u>
Depth of Well	<u>28.8</u>	Depth to Water	_____	
Depth to Water	<u>12.53</u>			

Sample

Start Purge	<u>1139</u>	Sample Time	<u>1150</u>
-------------	-------------	-------------	-------------

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1142</u>	<u>68.3</u>	<u>482</u>	<u>6.88</u>			<u>1</u>
<u>1144</u>	<u>68.2</u>	<u>486</u>	<u>6.77</u>			<u>2</u>
<u>1146</u>	<u>68.2</u>	<u>489</u>	<u>6.69</u>			<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>N/A</u>
-------------------	--------------	------	------------

Equipment Replacement

Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>-4</u>	Box	<u>04</u>
------	------------	----------	-----------	-------	-----------	-----	-----------

Remarks: OZONE SPARGE BLOW MISSING

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-6</u>
Signature: <u><i>[Signature]</i></u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>1011</u> hours
Standing water	<input checked="" type="radio"/> Yes <input type="radio"/> No	<u>above</u> or below casing
Top of well level	Yes <input type="radio"/> <input checked="" type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>7"</u>	
Well Box	8" <input checked="" type="radio"/> 24"	Type of well box <u>POMELO</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	<u>X</u>	Teflon Bailer	_____	Disposable Tubing	_____
-------------------	----------	---------------	-------	-------------------	-------

Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>2.00</u>
Time:	<u>0937</u>	Time:	_____	Actual Purge <u>2.25</u>
Depth of Well	<u>14.86</u>	Depth to Water	_____	
Depth to Water	<u>10.70</u>			

Sample

Start Purge	<u>1011</u>	Sample Time	<u>1023</u>
-------------	-------------	-------------	-------------

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1016</u>	<u>65.9</u>	<u>998</u>	<u>7.05</u>			<u>1</u>
<u>1017</u>	<u>65.8</u>	<u>948</u>	<u>6.70</u>			<u>2</u>
<u>1019</u>	<u>66.0</u>	<u>929</u>	<u>6.65</u>			<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
-------------------	--------------	------	-----------

Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>-3</u>	Box	<u>04</u>
------	-----------	----------	-----------	-------	-----------	-----	-----------

Remarks: _____

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>17W-7</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0940</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>8"</u>	
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box <u>POMBU</u>

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	<u>X</u>	Teflon Bailer	_____	Disposable Tubing	_____
-------------------	----------	---------------	-------	-------------------	-------

Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>6.69</u>
Time:	<u>0940</u>	Time:	_____	Actual Purge <u>7.0</u>
Depth of Well	<u>25.45</u>	Depth to Water	_____	
Depth to Water	<u>11.51</u>			

Sample

Start Purge	<u>1036</u>	Sample Time	<u>1047</u>
-------------	-------------	-------------	-------------

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1038</u>	<u>67.7</u>	<u>402</u>	<u>6.61</u>			<u>1</u>
<u>1041</u>	<u>68.3</u>	<u>409</u>	<u>6.56</u>			<u>2</u>
<u>1043</u>	<u>68.5</u>	<u>409</u>	<u>6.56</u>			<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
-------------------	--------------	------	-----------

Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>-3</u>	Box	<u>2 Threads secured 1 bolt secured in thread</u>
------	-----------	----------	-----------	-------	-----------	-----	---

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>						
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>						
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MN-8</u>						
Signature: <u>[Signature]</u>							
Well Box Condition/Traffic							
Traffic Control Yes <input checked="" type="radio"/> No <input type="radio"/>	Time: <u>0950</u> hours						
Standing water Yes <input checked="" type="radio"/> No <input type="radio"/>	above or below casing						
Top of well level Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark: _____						
Well cap & locked <input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____						
Height of Riser <u>7"</u>							
Well Box 8" <input checked="" type="radio"/> 12" <input type="radio"/> 24" <input type="radio"/>	Type of well box <u>CNI</u>						
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer _____	Submersible Pump _____						
2" PVC Bailer _____	Dedicated Bailer _____						
4" PVC Bailer _____	Centrifugal Pump <input checked="" type="checkbox"/>						
Sampling -							
Disposable Bailer <input checked="" type="checkbox"/>	Teflon Bailer _____ Disposable Tubing _____						
Well Purging							
Well Diameter: 2" <input checked="" type="checkbox"/> 4" _____ 6" _____ 8" _____							
Purge Vol. Multiplier 0.16 0.65 1.47 2.61							
Initial Measurement _____	Recharge Measurement _____						
Time: <u>0950</u>	Time: _____						
Depth of Well <u>28.05</u>	Depth to Water _____						
Depth to Water <u>13.24</u>							
	Calculated Purge <u>7.11</u>						
	Actual Purge <u>8.0</u>						
Sample							
Start Purge <u>1231</u>	Sample Time <u>1245</u>						
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<u>1235</u>	<u>67.6</u>	<u>719</u>	<u>6.62</u>				<u>1</u>
<u>1237</u>	<u>67.7</u>	<u>719</u>	<u>6.56</u>				<u>2</u>
<u>1241</u>	<u>67.8</u>	<u>719</u>	<u>6.54</u>				<u>3</u>
Sample Appearance <u>CLEAR</u>	Lock <u>04</u>						
Equipment Replacement							
Lock <u>04</u>	Well Cap <u>04</u>	Bolts <u>04</u>	Box <u>04</u>				
Remarks:							

Client: <u>Tesoro</u>	Sample Data: <u>1/13/2006</u>																																			
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>																																			
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-9</u>																																			
Signature: <u>[Signature]</u>																																				
Well Box Condition/Traffic																																				
Traffic Control: Yes <input checked="" type="radio"/> No <input type="radio"/>	Time: <u>0943</u> hours																																			
Standing water: Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing																																			
Top of well level: Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: _____																																			
Well cap & locked: Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark: <u>Air Space Point</u>																																			
Height of Riser: <u>5"</u>																																				
Well Box: 8" 12" <u>24"</u> Type of well box: <u>NUT MARKED</u>																																				
Purging/Sampling Equipment																																				
Purging -																																				
2" Disposable Bailer _____	Submersible Pump _____																																			
2" PVC Bailer _____	Dedicated Bailer _____																																			
4" PVC Bailers _____	Centrifugal Pump <u>X</u>																																			
Sampling -																																				
Disposable Bailer <u>X</u>	Teflon Bailer _____ Disposable Tubing _____																																			
Well Purging																																				
Well Diameter: 2" _____ 4" <u>X</u> 6" _____ 8" _____																																				
Purge Vol. Multiplier: _____ 0.16 _____ 0.65 _____ 1.47 _____ 2.61 _____																																				
Initial Measurement _____	Recharge Measurement _____																																			
Time: <u>0943</u>	Time: _____																																			
Depth of Well: <u>24.6</u>	Depth to Water: _____																																			
Depth to Water: <u>12.30</u>																																				
Calculated Purge: <u>23.99</u>																																				
Actual Purge: <u>33.0</u>																																				
Sample																																				
Start Purge: <u>1106</u>	Sample Time: <u>1129</u>																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Time</th> <th>Temperature</th> <th>E.C.</th> <th>pH</th> <th>ORP</th> <th>Turbidity</th> <th>Volume</th> </tr> </thead> <tbody> <tr> <td><u>1114</u></td> <td><u>68.2</u></td> <td><u>471</u></td> <td><u>6.74</u></td> <td></td> <td></td> <td><u>1</u></td> </tr> <tr> <td><u>1117</u></td> <td><u>68.3</u></td> <td><u>436</u></td> <td><u>6.63</u></td> <td></td> <td></td> <td><u>2</u></td> </tr> <tr> <td><u>1121</u></td> <td><u>68.2</u></td> <td><u>416</u></td> <td><u>6.61</u></td> <td></td> <td></td> <td><u>3</u></td> </tr> <tr> <td><u>1125</u></td> <td><u>68.2</u></td> <td><u>408</u></td> <td><u>6.61</u></td> <td></td> <td></td> <td><u>4</u></td> </tr> </tbody> </table>		Time	Temperature	E.C.	pH	ORP	Turbidity	Volume	<u>1114</u>	<u>68.2</u>	<u>471</u>	<u>6.74</u>			<u>1</u>	<u>1117</u>	<u>68.3</u>	<u>436</u>	<u>6.63</u>			<u>2</u>	<u>1121</u>	<u>68.2</u>	<u>416</u>	<u>6.61</u>			<u>3</u>	<u>1125</u>	<u>68.2</u>	<u>408</u>	<u>6.61</u>			<u>4</u>
Time	Temperature	E.C.	pH	ORP	Turbidity	Volume																														
<u>1114</u>	<u>68.2</u>	<u>471</u>	<u>6.74</u>			<u>1</u>																														
<u>1117</u>	<u>68.3</u>	<u>436</u>	<u>6.63</u>			<u>2</u>																														
<u>1121</u>	<u>68.2</u>	<u>416</u>	<u>6.61</u>			<u>3</u>																														
<u>1125</u>	<u>68.2</u>	<u>408</u>	<u>6.61</u>			<u>4</u>																														
Sample Appearance: <u>CLOUDY</u>	Lock: <u>N/A</u>																																			
Equipment Replacement																																				
Lock: <u>N/A</u>	Well Cap: <u>04</u> Bolts: <u>-3</u> Box: <u>1 Bolt skewed in threads</u>																																			
Remarks: _____																																				

Appendix B

Official Laboratory Analytical Results –
Quarterly Ground Water Samples



Report Number : 47950

Date : 1/25/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

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

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-1**

Matrix : Water

Lab Number : 47950-01

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Toluene	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	34	1.5	ug/L	EPA 8260B	1/19/2006
Total Xylenes	17	1.5	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 1.5	1.5	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 7.0	7.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	6500	150	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**


Sample : **MW-2**

Matrix : Water

Lab Number : 47950-02

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	17	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	7.8	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	220	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	230	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	3.5	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	6800	150	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	1/19/2006

Approved By:  Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-3**

Matrix : Water

Lab Number : 47950-03

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	5.0	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	1.1	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	4.9	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	1.2	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	3.1	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	9.8	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	1200	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-4**

Matrix : Water

Lab Number : 47950-04

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	8.3	0.90	ug/L	EPA 8260B	1/19/2006
Toluene	100	0.90	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	160	0.90	ug/L	EPA 8260B	1/19/2006
Total Xylenes	860	0.90	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	4.9	0.90	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.90	0.90	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.90	0.90	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	6.7	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	4000	90	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-5**

Matrix : Water

Lab Number : 47950-05

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Ethylbenzene	1.2	0.50	ug/L	EPA 8260B	1/25/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	0.58	0.50	ug/L	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/25/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	1/25/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-6**

Matrix : Water

Lab Number : 47950-06

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-7**

Matrix : Water

Lab Number : 47950-07

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	0.61	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-8**

Matrix : Water

Lab Number : 47950-08

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	0.51	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	0.58	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	52	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Project Name : **Tesoro St 67106**

Project Number : **67106**

Sample : **MW-9**

Matrix : Water

Lab Number : 47950-09

Sample Date :1/13/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	0.78	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	280	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	1/19/2006

Approved By:

Joel Kiff

QC Report : Method Blank Data

Project Name : **Tesoro St 67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	99.2		%	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	95.0		%	EPA 8260B	1/19/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	98.5		%	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	99.0		%	EPA 8260B	1/19/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/19/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/19/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/19/2006
Toluene - d8 (Surr)	99.7		%	EPA 8260B	1/19/2006
4-Bromofluorobenzene (Surr)	106		%	EPA 8260B	1/19/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/25/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/25/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/25/2006
Toluene - d8 (Surr)	98.6		%	EPA 8260B	1/25/2006
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	1/25/2006

Approved By:  _____

KIFF ANALYTICAL, LLC

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

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro St 67106**Project Number : **67106**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	47950-09	<0.50	39.7	39.9	45.3	45.7	ug/L	EPA 8260B	1/19/06	114	114	0.218	70-130	25
Toluene	47950-09	<0.50	39.7	39.9	42.6	43.4	ug/L	EPA 8260B	1/19/06	107	109	1.20	70-130	25
Tert-Butanol	47950-09	<5.0	198	200	202	214	ug/L	EPA 8260B	1/19/06	102	108	5.35	70-130	25
Methyl-t-Butyl Ether	47950-09	<0.50	39.7	39.9	38.5	38.7	ug/L	EPA 8260B	1/19/06	97.0	97.0	0.0623	70-130	25
Benzene	47949-06	<0.50	40.0	40.0	43.2	42.1	ug/L	EPA 8260B	1/19/06	108	105	2.62	70-130	25
Toluene	47949-06	4.0	40.0	40.0	43.8	42.7	ug/L	EPA 8260B	1/19/06	99.5	96.8	2.70	70-130	25
Tert-Butanol	47949-06	<5.0	200	200	213	239	ug/L	EPA 8260B	1/19/06	107	119	11.3	70-130	25
Methyl-t-Butyl Ether	47949-06	<0.50	40.0	40.0	42.6	41.7	ug/L	EPA 8260B	1/19/06	106	104	2.14	70-130	25
Benzene	47950-06	<0.50	40.0	40.0	43.1	41.7	ug/L	EPA 8260B	1/19/06	108	104	3.40	70-130	25
Toluene	47950-06	<0.50	40.0	40.0	41.6	40.4	ug/L	EPA 8260B	1/19/06	104	101	2.86	70-130	25
Tert-Butanol	47950-06	<5.0	200	200	212	212	ug/L	EPA 8260B	1/19/06	106	106	0.0127	70-130	25
Methyl-t-Butyl Ether	47950-06	<0.50	40.0	40.0	38.5	38.2	ug/L	EPA 8260B	1/19/06	96.3	95.4	0.917	70-130	25
Benzene	48048-04	<0.50	40.0	40.0	41.1	40.5	ug/L	EPA 8260B	1/25/06	103	101	1.36	70-130	25
Toluene	48048-04	<0.50	40.0	40.0	40.1	38.9	ug/L	EPA 8260B	1/25/06	100	97.3	3.04	70-130	25
Tert-Butanol	48048-04	<5.0	200	200	211	215	ug/L	EPA 8260B	1/25/06	105	107	1.96	70-130	25
Methyl-t-Butyl Ether	48048-04	<0.50	40.0	40.0	36.2	36.8	ug/L	EPA 8260B	1/25/06	90.4	91.9	1.65	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

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

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	1/19/06	114	70-130
Toluene	40.0	ug/L	EPA 8260B	1/19/06	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/19/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/19/06	97.6	70-130
Benzene	40.0	ug/L	EPA 8260B	1/19/06	110	70-130
Toluene	40.0	ug/L	EPA 8260B	1/19/06	99.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/19/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/19/06	107	70-130
Benzene	40.0	ug/L	EPA 8260B	1/19/06	102	70-130
Toluene	40.0	ug/L	EPA 8260B	1/19/06	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/19/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/19/06	91.7	70-130
Benzene	40.0	ug/L	EPA 8260B	1/25/06	99.7	70-130
Toluene	40.0	ug/L	EPA 8260B	1/25/06	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/25/06	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/25/06	86.9	70-130

KIFF ANALYTICAL, LLC

Approved By:



 Joel Kiff



Report Number : 47950

Date : 1/25/2006

Analysis Summary

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

Project Name : Tesoro St 67106

Project Number : 67106

Sample Name			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
Sample Date			1/13/2006		1/13/2006		1/13/2006		1/13/2006		1/13/2006		1/13/2006		1/13/2006		1/13/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	1.5	ND	0.50	17	0.50	5.0	0.90	8.3	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	1.5	ND	0.50	7.8	0.50	1.1	0.90	100	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	1.5	34	0.50	220	0.50	4.9	0.90	160	0.50	1.2	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	1.5	17	0.50	230	0.50	1.2	0.90	860	0.50	ND	0.50	ND	0.50	ND	0.50	0.51
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	1.5	ND	0.50	3.5	0.50	3.1	0.90	4.9	0.50	0.58	0.50	ND	0.50	0.61	0.50	0.58
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	1.5	ND	0.50	ND	0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	1.5	ND	0.50	ND	0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	1.5	ND	0.50	ND	0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	7.0	ND	5.0	ND	5.0	9.8	5.0	6.7	5.0	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	150	6500	150	6800	50	1200	90	4000	50	ND	50	ND	50	ND	50	52
Toluene - d8 (Surr)	EPA 8260B	%		98.2		97.7		97.7		99.0		98.1		98.4		100		99.2
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.2		98.8		95.0		99.7		110		105		97.4		98.8

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff



Report Number : 47950

Date : 1/25/2006

Analysis Summary

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

Project Name : Tesoro St 67106

Project Number : 67106

Sample Name		MW-9		
Sample Date		1/13/2006		
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	0.78
Total Xylenes	EPA 8260B	ug/L	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	280
Toluene - d8 (Surr)	EPA 8260B	%		100
4-Bromofluorobenzene (Surr)	EPA 8260B	%		98.1

MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236

Project Contact (Hardcopy or PDF To): Richard Munsie
 Company / Address: 6280 Brookshire Dr
Rochester CA 95677
 Phone #: 916 415 1134 Fax #: 916 415 1154
 Project #: 67106 P.O. #: _____
 Project Name: Tesoro St 67106
 Global ID: T0600101409
 EDF Deliverable To (Email Address): _____
 Sampler Signature:

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air
MW-1	1/13/06	1442	3					X			X		
MW-2	1/13/06	1425	3					X			X		
MW-3	1/13/06	1219	3					X			X		
MW-4	1/13/06	1358	3					X			X		
MW-5	1/13/06	1150	3					X			X		
MW-6	1/13/06	1023	3					X			X		
MW-7	1/13/06	1047	3					X			X		
MW-8	1/13/06	1245	3					X			X		
MW-9	1/13/06	1129	3					X			X		

Analysis Request													TAT	For Lab Use Only					
MTBE (EPA 8260B) per EPA 802.1 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)		12 hr	24 hr	48 hr	72 hr	1 wk
		X	X	X															
		X	X	X															01
		X	X	X															02
		X	X	X															03
		X	X	X															04
		X	X	X															05
		X	X	X															06
		X	X	X															07
		X	X	X															08
		X	X	X															09

Relinquished by: <u>Douglas Hoff</u>	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: <u>01/18/06</u>	Time: <u>1100</u>	Received by Laboratory: <u>Michelle Spencer Kiff Analytical</u>

Remarks: STAT
email copy to RDM env

Bill to: Tesoro Petroleum / Rob Donovan

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
<u>.4</u>	<u>MAS</u>	<u>01/18/06</u>	<u>1345</u>	<u>IR-1</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Appendix C

Official Laboratory Analytical Results –
Soil Vapor Extraction Analytical Data



Report Number : 48650

Date : 3/7/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Vapor Samples
Project Name : 67106
Project Number : 67106

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 48650

Date : 3/7/2006

Project Name : 67106

Project Number : 67106

Sample : SVE-INF

Matrix : Air

Lab Number : 48650-01

Sample Date :2/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/1/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/1/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	3/1/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	3/1/2006

Approved By:

Joel Kiff

Project Name : **67106**

Project Number : **67106**

Sample : **SVE-MID**

Matrix : Air

Lab Number : 48650-02

Sample Date :2/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	2/28/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	2/28/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	2/28/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/28/2006

Approved By:

Joel Kiff

Project Name : **67106**

Project Number : **67106**

Sample : **SVE-EFF**

Matrix : Air

Lab Number : 48650-03

Sample Date :2/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/1/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/1/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/1/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	3/1/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/1/2006

Approved By:

Joel Kiff

Report Number : 48650

Date : 3/7/2006

QC Report : Method Blank Data

Project Name : **67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	2/28/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	2/28/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	2/28/2006
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	2/28/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	2/28/2006

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

Approved By:  _____
Joel Kiff



Report Number : 48650

Date : 3/7/2006

Analysis Summary

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

Project Name :67106
 Project Number : 67106

Sample Name			SVE-INF		SVE-MID		SVE-EFF	
Sample Date			2/27/2006		2/27/2006		2/27/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Diisopropyl ether (DIPE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-Butanol	EPA 8260B	ppmv	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ppmv	5.0	ND	5.0	ND	5.0	ND
Toluene - d8 (Surr)	EPA 8260B	%		102		101		101
4-Bromofluorobenzene (Surr)	EPA 8260B	%		101		101		102

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236

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

Company / Address: 6250 Brookshire Rd Env. Rocklin Sampling Company Log Code:

Phone #: 916 415 1134 Fax #: 916 415 1154 Global ID:

Project #: 67106 P.O. #: — EDF Deliverable To (Email Address):

Project Name: 67106 Sample Signature: [Signature]

Project Address: 3888 Marina San Leandro

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT	For Lab Use Only			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil																	Air	12 hr	24 hr
✓ SVE-INF	2/27/06	1434													X	X	X														01
✓ SVE-MID	2/27/06	1452													X	X	X														02
✓ SVE-III	2/27/06	1430													X	X	X														03

Relinquished by: DOUGLAS HOFF. Date: _____ Time: _____ Received by: _____

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

Relinquished by: _____ Date: 022806 Time: 1345 Received by Laboratory: [Signature] KIFF Analytical LLC

Remarks: (STAT)
Email copy to RDM
 Bill to: Rob Donovan / Tesoro

For Lab Use Only: Sample Receipt

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



Report Number : 49188

Date : 4/3/2006

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Vapor Samples
Project Name : Tesoro Station 67106
Project Number : 67106
P.O. Number : 67106

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 49188

Date : 4/3/2006

Project Name : **Tesoro Station 67106**

Project Number : **67106**

Sample : **SVE-Inf**

Matrix : Air

Lab Number : 49188-01

Sample Date :3/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/28/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/28/2006
4-Bromofluorobenzene (Surr)	97.3		% Recovery	EPA 8260B	3/28/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/28/2006

Approved By:

Joel Kiff

Project Name : **Tesoro Station 67106**

Project Number : **67106**

Sample : **SVE-MID**

Matrix : Air

Lab Number : 49188-02

Sample Date : 3/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/29/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/29/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/29/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	3/29/2006
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/29/2006

Approved By:

Joel Kiff



Report Number : 49188

Date : 4/3/2006

Project Name : **Tesoro Station 67106**

Project Number : **67106**

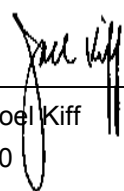
Sample : **SVE-Eff**

Matrix : Air

Lab Number : 49188-03

Sample Date :3/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/28/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/28/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/28/2006
4-Bromofluorobenzene (Surr)	93.4		% Recovery	EPA 8260B	3/28/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/28/2006

Approved By:  Joel Kiff

Report Number : 49188

Date : 4/3/2006

QC Report : Method Blank Data

Project Name : **Tesoro Station 67106**

Project Number : **67106**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Toluene	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Methyl-t-butyl ether (MTBE)	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Diisopropyl ether (DIPE)	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Tert-amyl methyl ether (TAME)	< 0.050	0.050	ppmv	EPA 8260B	3/27/2006
Tert-Butanol	< 0.50	0.50	ppmv	EPA 8260B	3/27/2006
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	3/27/2006
4-Bromofluorobenzene (Surr)	97.9		%	EPA 8260B	3/27/2006
Toluene - d8 (Surr)	105		%	EPA 8260B	3/27/2006

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

Approved By:  _____
Joel Kiff



Report Number : 49188

Date : 4/3/2006

Analysis Summary

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

Project Name : Tesoro Station 67106

Project Number : 67106

Sample Name			SVE-Inf		SVE-MID		SVE-Eff	
Sample Date			3/27/2006		3/27/2006		3/27/2006	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Diisopropyl ether (DIPE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-Butanol	EPA 8260B	ppmv	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ppmv	5.0	ND	5.0	ND	5.0	ND
Toluene - d8 (Surr)	EPA 8260B	%		104		104		101
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.3		101		93.4

MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236

Project Contact (Hardcopy or PDF To): Richard Munsell
 California EDF Report? Yes No
 Company / Address: RPM Environmental
 Sampling Company Log Code:
 Phone #: (916) 415-1134 Fax #: (916) 415-1154 Global ID:
 Project #: 67106 P.O. #: 67106 EDF Deliverable To (Email Address):
 Project Name: Tesoro Station 67106 Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Project Address:	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air
<u>San Leandro</u>													
<u>SVE-Inf</u>	<u>3/27/06</u>	<u>3:59</u>				X			X			X	
<u>SVE-MID</u>	<u>3/27/06</u>	<u>3:57</u>				X			X			X	
<u>SVE-Eff</u>	<u>3/27/06</u>	<u>3:58</u>				X			X			X	

Analysis Request												TAT	For Lab Use Only						
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)	12 hr	24 hr	48 hr	72 hr	1 wk
		X	X	X	X									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	01
		X	X	X	X									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	02
		X	X	X	X									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	03

Relinquished by: <u>[Signature]</u>	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by Laboratory: <u>KIFF Analytical</u>

Remarks: STAT

Bill to: Tesoro Petroleum / Rob Donovan

For Lab Use Only: Sample Receipt

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