RDM Environmental

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August 19, 2004

Mr. Jeff Baker
Tesoro Environmental Resources Company
3450 S. 344th Way Suite 100
Auburn, WA 98001-5931

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report,* ***Second Quarter 2004***
Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California
RDM Project No. 00-67106

Dear Mr. Baker:

On Behalf of Tesoro Environmental Resources Company, RDM Environmental (RDM) has prepared the following quarterly ground water monitoring and remediation system status report for the subject site. This report describes quarterly ground water monitoring and remediation system status for the **Second Quarter 2004**.

Work Performed During the Second Quarter 2004:

- RDM performed ground water sampling on **April 16, 2004.**
- RDM continued operation and maintenance on the remediation system.
- The vapor phase SVE carbon was changed out April 29, 2004.

STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is tabulated in Table 1. A site topographic map, site map, and ground water elevation contour map are shown as Figures 1 through 3, respectively. Analytical isoconcentration maps are presented as Figures 4 through 6. The site history is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results are included in Enclosure C. Historical ground water monitoring data is included in Enclosure D.

- Historical ground water flow direction is to the southwest.

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of soil vapor extraction (SVE) and air sparging components. The ground water extraction system was removed during the system upgrade (November 2003). The process flow diagram for the newly modified remediation system is shown as Figure 7.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **Second Quarter 2004** on:
  - **April 13, 19, and 29, 2004**
  - **May 14 and 26, 2004**
  - **June 22 and 30, 2004**

Ground Water Extraction System Performance:

- The ground water treatment system was removed on October 11, 2003.
- The former ground water treatment system processed approximately **228,500** gallons.

Soil Vapor Extraction System Performance:

- The SVE system operated intermittently during the **Second Quarter 2004**.
- During the **Second Quarter 2004**, the SVE system removed approximately **47** pounds of vapor equivalent gasoline.
- As of **June 30, 2004**, the SVE system has removed approximately **2,949** pounds (**483** gallons) of vapor equivalent gasoline.
- Soil vapor extraction is conducted on MW-1 through MW-5, MW-8, MW-9 and vapor well VW-1.
- The SVE analytical results are included in Table 2 and the SVE performance data is included in Table 3. Remediation system analytical results are included in Enclosure E.
- It appears there was some background vapor contamination or contaminated Tedlar sample bags during the laboratory sampling events and these concentrations were reported in the laboratory analysis. All PID readings were reported as non-detect for all effluent sampling during the **Second Quarter 2004**.

Air Sparging System Performance:

- The air sparge system operated intermittently during the **Second Quarter 2004**. The air sparge system is shut off when the SVE system is non-operational.
- The air sparging system is connected to sparge points SP-1 through SP-6.

CONCLUSIONS/RECOMMENDATIONS

RDM recommends continued operation of the SVE and air sparge systems and quarterly ground water monitoring. With the exception of MW-4 and MW-5, there is a downward trend in petroleum hydrocarbon concentrations at this site. RDM recommends adding an ozone generator to the air sparging system and focusing the ozone sparge effort on monitoring wells MW-4 and MW-5. RDM proposes installing the ozone sparge system early in the Fourth Quarter 2004.

The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

RDM recommends a copy of this report be forwarded to the following people.

Mr. Scott Seery
Alameda County Health Care Agency
Department of Environmental Health
1131 Harbor Parkway, Room 250
Alameda, CA 94502-6577

Mr. John Camp
Environmental Service Division
City of San Leandro
835 East 14th Street
San Leandro, CA 94577

Case Worker
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

If you have any questions concerning this project, please contact Richard Munsch at (916) 771-7098.

RDM ENVIRONMENTAL

Richard D. Munsch
Project Manager

Michael G. Lee, P.E.
California Registered Civil Engineer No.C055795

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Enclosures:

- Enclosure A: Site Background Information
- Enclosure B: Ground Water Sampling Information
- Enclosure C: Ground Water Analytical Results
- Enclosure D: Historical Ground Water Monitoring Data
- Enclosure E: Remediation System Analytical Results

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
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

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
MW-4	03/12/98	32.90	11.31	21.59	2,200	1,500	630	3,000	14,000	440	NA	No sheen
	05/28/98		10.40	22.50	<0.5	0.75	0.68	6.9	67	26	NA	No sheen
	08/31/98		12.54	20.36	1.8	2.5	0.65	3.4	<50	<5.0	NA	No sheen
	11/19/98		13.99	18.91	<0.5	<0.5	<0.5	0.61	<50	17	NA	No sheen
	03/15/99		12.06	20.84	1.2	1.6	0.76	4.5	160	9.3	NA	No sheen
	06/07/99		13.57	19.33	210	370	350	2,000	5,800	<20	NA	No sheen
	09/07/99		10.30	22.60	2.2	2.8	4.8	25	130	12	NA	No sheen
	12/13/99		14.18	18.72	1.3	1.0	1.2	4.8	<50	12	NA	No sheen
	03/08/00		11.77	21.13	78	200	160	750	3,700	11	NA	No sheen
	06/12/00		13.47	19.43	<0.5	<0.5	<0.5	<0.5	<50	24	NA	No sheen
	11/15/00		14.33	18.57	12	38	28	130	710	1,300	NA	No sheen
	02/27/01		14.25	18.65	67	300	310	1,400	6,500	1,000	NA	No sheen
	05/22/01		13.99	18.91	2.1	5.6	4.8	20	130	350	NA	No sheen
	09/05/01		15.75	17.15	110	670	250	1,300	6,200	600	NA	No sheen
	11/07/01		16.10	16.80	40	270	180	940	4,100	110	NA	No sheen
	02/11/02	35.33	15.04	20.29	91	590	620	3,000	14,000	350	NA	No sheen
	06/03/02		13.61	21.72	69	390	190	1,100	4,300	240	NA	No sheen
	08/06/02		15.01	20.32	100	690	570	2,900	13,000	170	NA	No sheen
	11/14/02		13.98	21.35	65	380	550	3,400	20,000	130	ND	No sheen
	02/20/03		13.33	22.00	57	240	650	3,700	18,000	98	ND	No sheen
	05/15/03		13.29	22.04	44	100	200	1,200	8,500	120	21[c]	No sheen
	07/31/03		13.76	21.57	42	59	250	1,400	11,000	87	ND	No sheen
	10/28/03		14.48	20.85	80	40	130	650	8,100	130	20[c]	No sheen
	02/28/04		12.96	22.37	85	430	570	3,700	17,000	67	ND	No sheen
	04/16/04		13.57	21.76	72	420	570	3,800	19,000	60	ND	No sheen

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
MW-6	03/12/98	30.40	10.49	19.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.58	19.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		10.85	19.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		10.88	19.52	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.83	19.57	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		11.01	19.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		11.89	18.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.09	18.31	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.02	20.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		11.07	19.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		12.34	18.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/27/01		10.75	19.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	05/22/01		11.55	18.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	09/05/01		12.10	18.30	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/07/01		12.31	18.09	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/11/02	32.74	11.05	21.69	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	06/03/02		11.70	21.40	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	08/06/02		12.28	20.46	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/14/02		12.46	20.28	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/20/03		11.26	21.48	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	05/15/03		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	07/31/03		11.73	21.01	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	10/28/03		12.38	20.36	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	02/28/04		11.88	20.86	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/16/04		11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen

TABLE 1

GROUND WATER MONITORING DATA

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

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

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 (fl)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	03/12/98	32.56	10.93	21.63	320	23	180	720	3,700	190	NA	No sheen
	05/28/98		11.31	21.25	110	6.4	87	300	2,200	220	NA	No sheen
	08/31/98		12.16	20.40	240	23	690	1,900	11,000	<50	NA	No sheen
	11/19/98		11.04	21.52	7.7	<0.5	10	22	280	67	NA	No sheen
	03/15/99		11.81	20.75	<0.5	<0.5	<0.5	1.2	<50	<5.0	NA	No sheen
	06/07/99		12.21	20.35	9.3	0.86	9.7	12	340	<5.0	NA	No sheen
	09/07/99		10.10	22.46	0.76	<0.5	1.9	0.8	72	9.9	NA	No sheen
	12/13/99		13.64	18.92	<0.5	<0.5	<0.5	<0.5	60	<5.0	NA	No sheen
	03/08/00		10.88	21.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.50	20.06	0.9	<0.5	2.7	1.3	640	10	NA	No sheen
	11/15/00		13.60	18.96	<0.5	<0.5	0.69	<0.5	200	12	NA	No sheen
	02/27/01		12.15	20.41	0.61	<0.5	2.2	1.2	360	42	NA	No sheen
	05/22/01		13.20	19.36	0.57	<0.5	2.1	0.61	330	290	NA	No sheen
	09/05/01		13.10	19.46	<2.0	<2.0	<2.0	<2.0	<200	1,100	NA	No sheen
	11/07/01		13.85	18.71	1.0	<1.0	<1.0	<1.0	230	510	NA	No sheen
	02/11/02	34.63	12.98	21.65	<0.5	<0.5	<0.5	<0.5	<50	41	NA	No sheen
	06/03/02		12.48	22.15	<0.5	<0.5	<0.5	<0.5	<50	55	NA	No sheen
	08/06/02	34.63	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

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

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	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
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

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	03/01/01	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
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

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	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
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

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	09/23/02	<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
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

TPH = Total petroleum hydrocarbons.
MTBE = methyl -t-butyl ether
mg/L = Micrograms per liter.
ppmv = parts per million by volume.

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
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 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
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 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
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

* 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

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

QUADRANGLE LOCATION

N

0 2000 FT

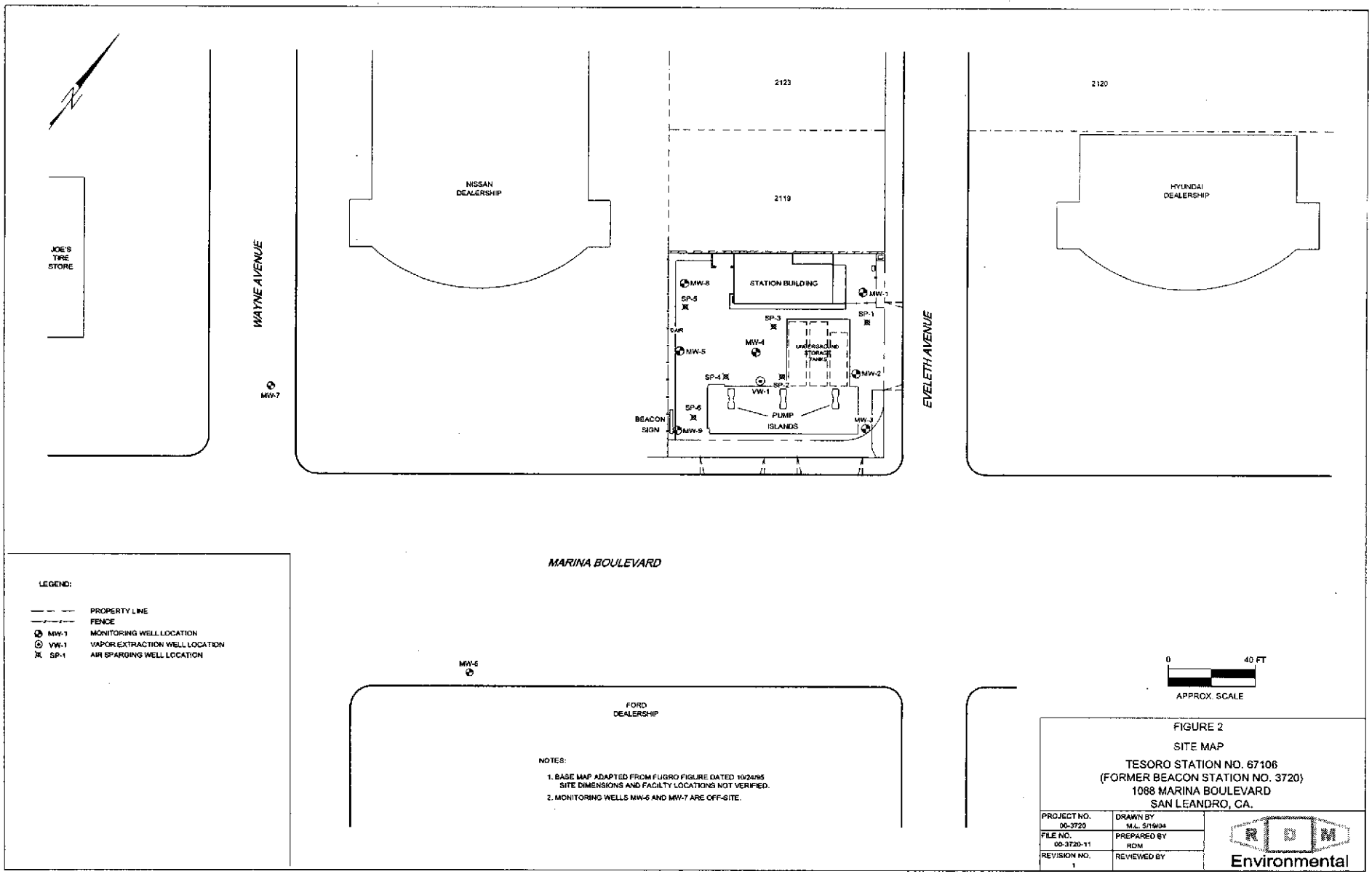
SCALE 1:24,000

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

R D M Environmental



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.

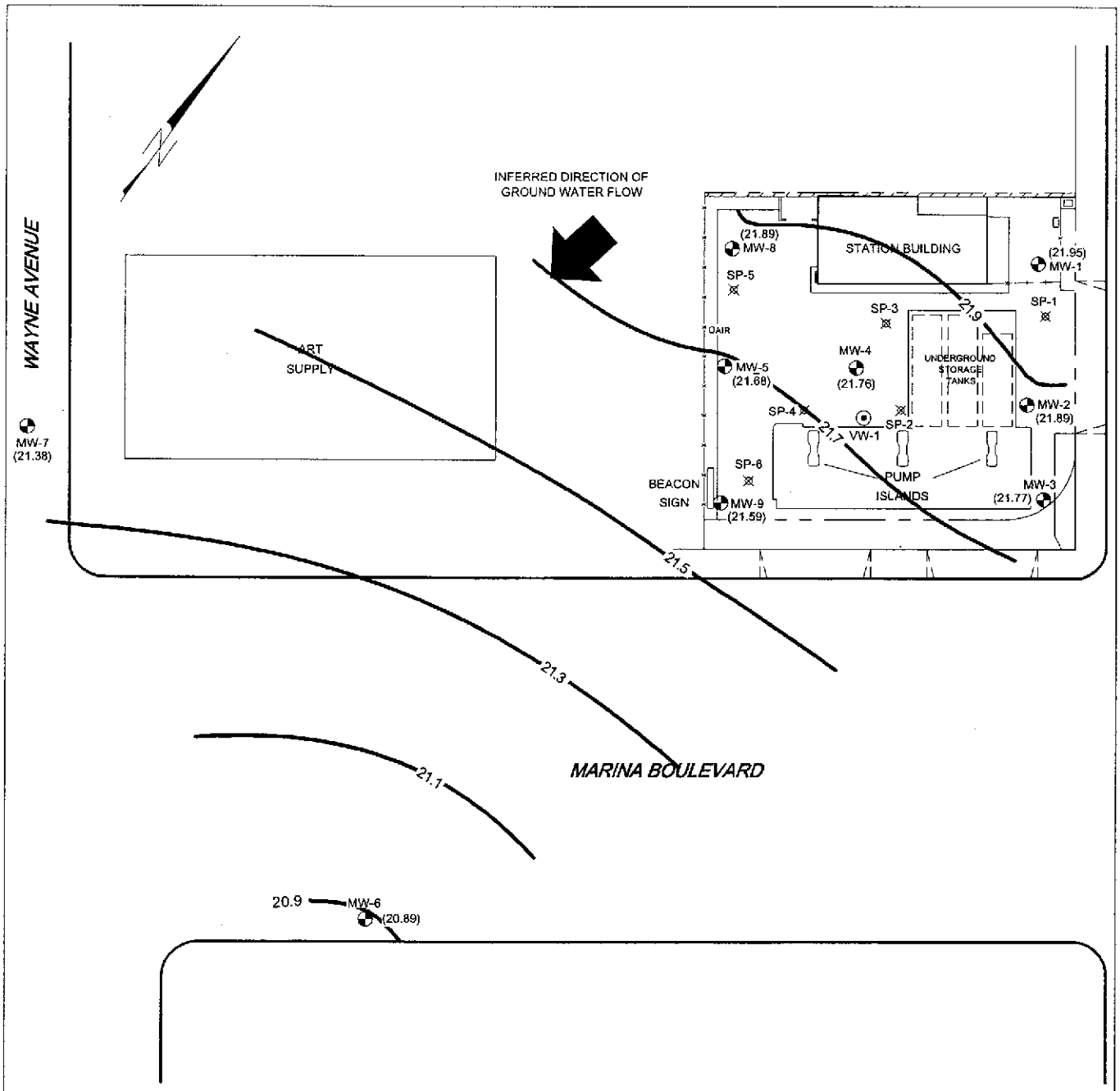
FIGURE 2

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

Environmental



LEGEND:

— — —	PROPERTY LINE
-x-x-x-	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION
(21.95)	GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
21.3	WATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

0 40 FT

SCALE

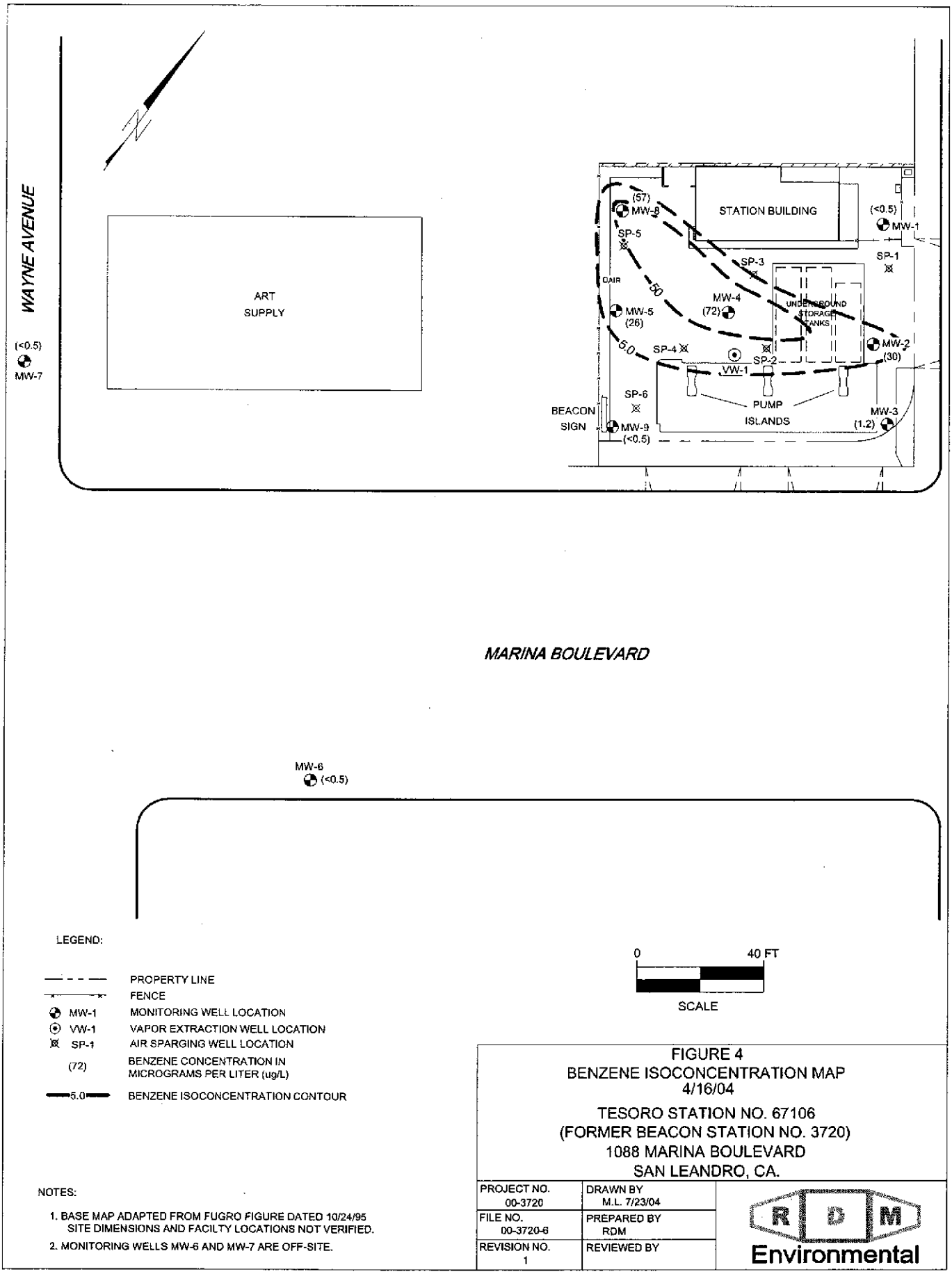
NOTES:

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

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
4/16/04
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 7/23/04
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

— — —	PROPERTY LINE
×—×—×	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION
(72)	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
5.0	BENZENE ISOCONCENTRATION CONTOUR

0 40 FT

SCALE

NOTES:

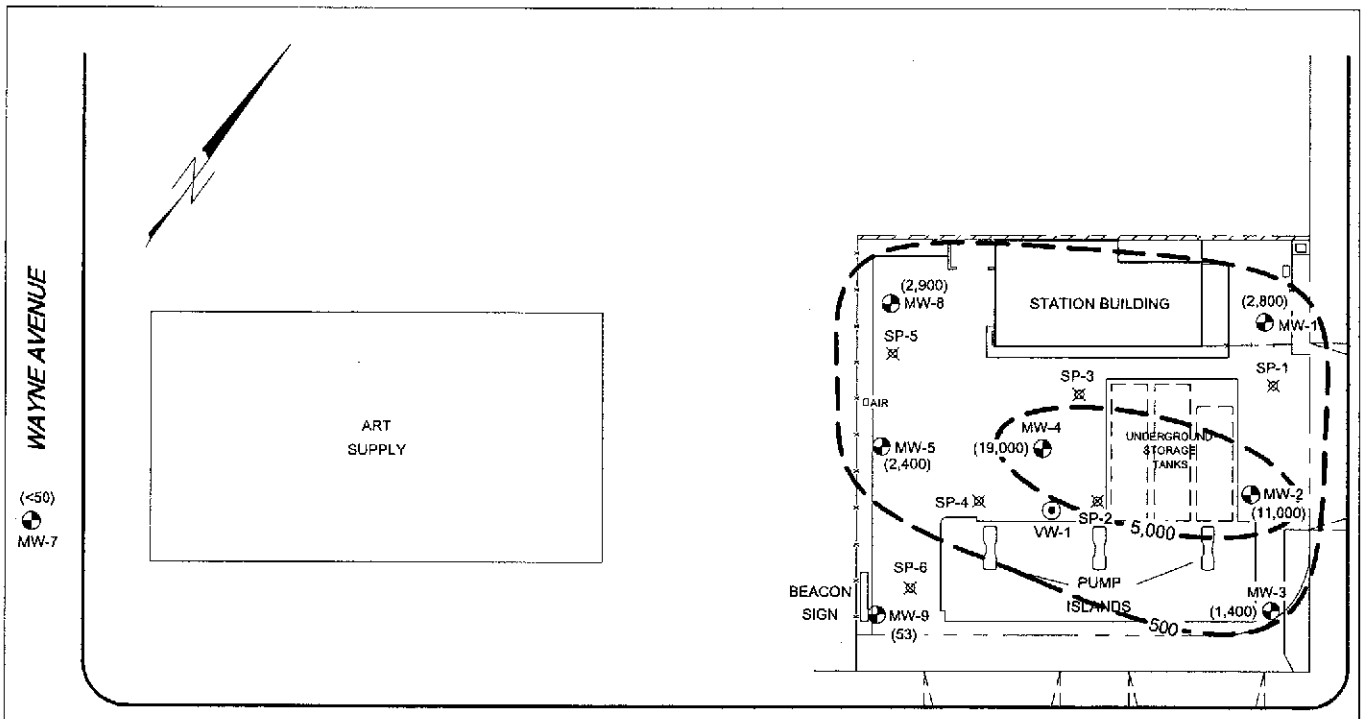
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 4
BENZENE ISOCONCENTRATION MAP
4/16/04

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

PROJECT NO. 00-3720	DRAWN BY M.L. 7/23/04
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

———	PROPERTY LINE
—x—x—	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION
(19,000)	TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
500	TPHg ISOCONCENTRATION CONTOUR

0 40 FT

SCALE

NOTES:

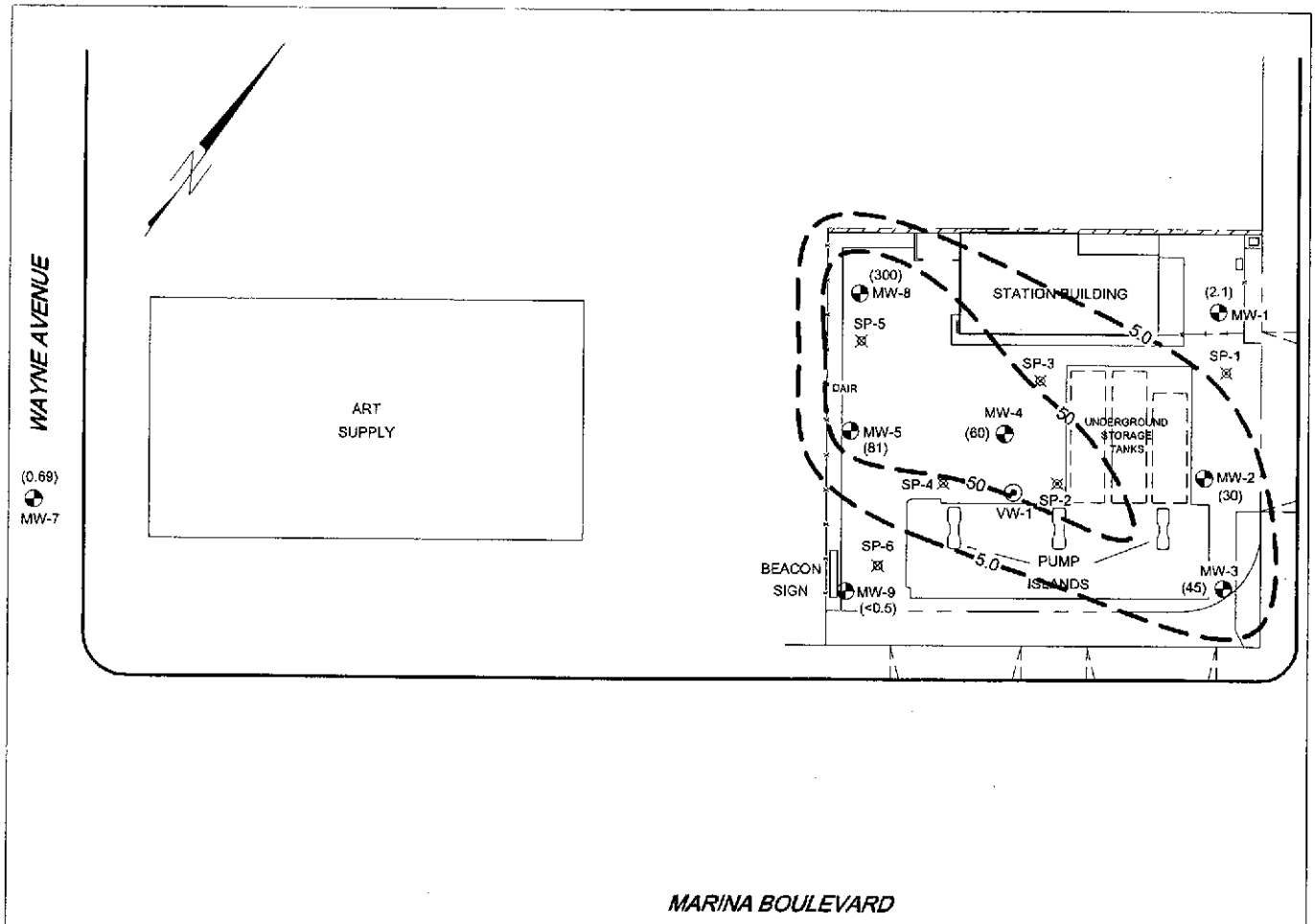
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 5
TPHg ISOCONCENTRATION MAP
4/16/04

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

PROJECT NO. 00-3720	DRAWN BY M.L. 7/23/04
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

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

0 40 FT

SCALE

NOTES:

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

FIGURE 6
MTBE ISOCONCENTRATION MAP
4/16/04

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

PROJECT NO. 00-3720	DRAWN BY M.L. 7/23/04
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental

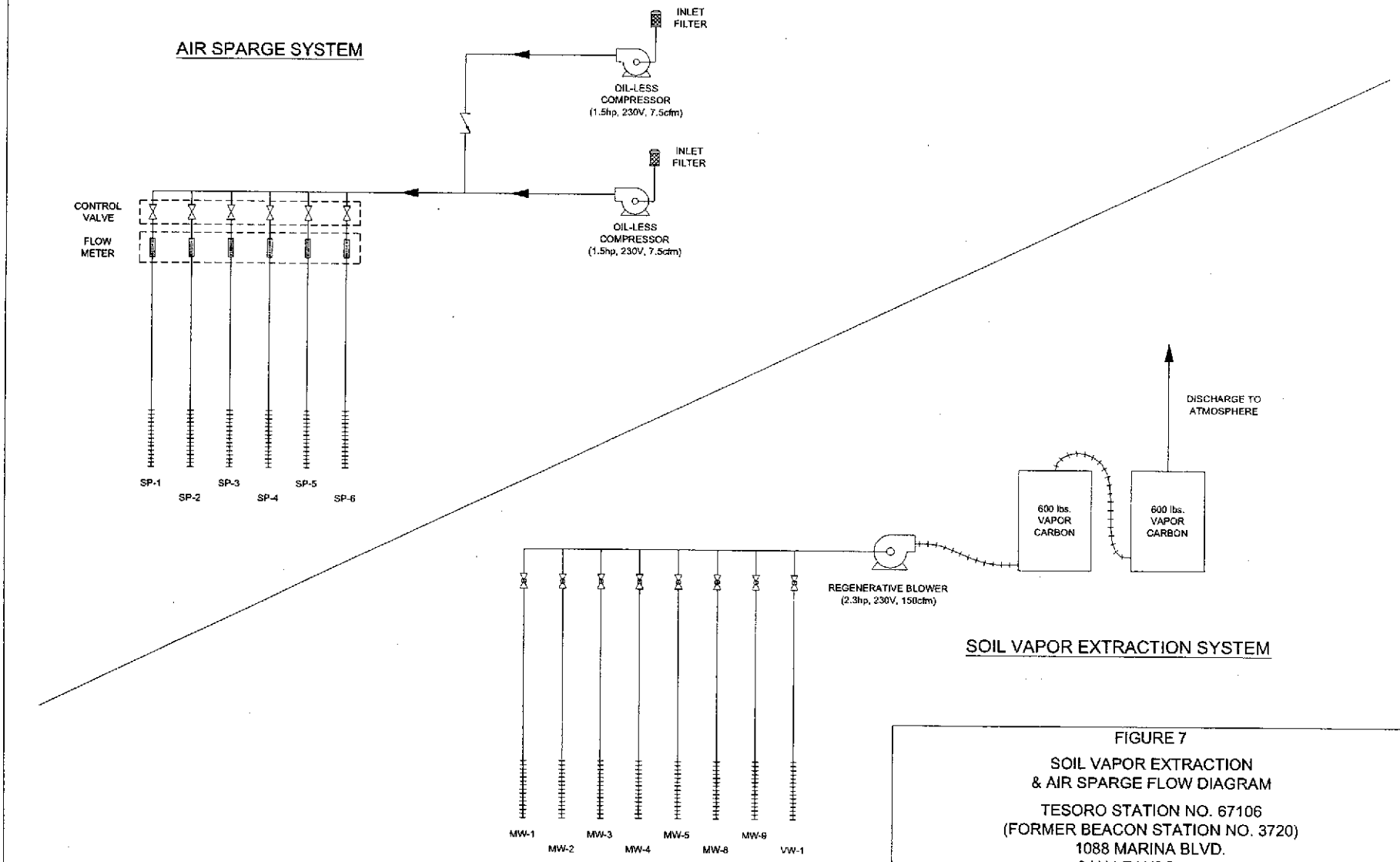


FIGURE 7

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

R D M Environmental

HISTORICAL BACKGROUND INFORMATION

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

PREVIOUS OWNER

- January 1987 - Three underground gasoline storage tanks and one waste oil tank were excavated and removed from two tank cavities. Samples collected from beneath the former tanks indicated that hydrocarbons were present in the soil.

- March 1987 - Five monitoring wells (MW-1 through MW-5) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells with the highest concentrations being detected in the area of MW-4.

- July 1987 - Four soil borings were drilled in the vicinity of MW-4 to further characterize the soil contamination in that area. TPH concentrations above 100 ppm were detected in each boring. The site has been on a monitoring program since June 1987.

ULTRAMAR INC.

- July 1990 - The site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued.

- August 1991 - A shallow ground water study was performed as a screening tool to locate wells.

- October 1991 - Three additional wells were installed to further define the extent of the dissolved hydrocarbon plume.

- October 1993 - Performed a ground-water pump test, a vapor extraction test, and an air-sparging test.

- May 1994 - A Problem Assessment Report/Remedial Action Plan was submitted.

- December 1994 - One additional monitoring well, six air sparging points and one vapor extraction well were installed.

- June 1997 - Began operation of vapor extraction system.

- July 1997 - The ground water recovery system and the air sparging system began operation.

- September 7, 1999 - Performed quarterly monitoring. Continued to operate the vapor extraction and air sparging systems. The ground-water system did not operate during the quarter.

- As of March 1998, the ground water extraction system has processed approximately 228,850 gallons of water.

- On October 4, 2000, 1,500 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.

- On October 17, 2000, 1,200 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.

HISTORICAL BACKGROUND INFORMATION

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

- On November 29, 2000, approximately 1,800 gallons of ground water were extracted during the dual phased extraction (DPE) test from MW-1 and MW-2.
- On December 4, 2000, approximately 1,600 gallons of ground water were extracted during the DPE test.
- On January 4, 2001, approximately 1,000 gallons of ground water were extracted during the DPE test.
- The evaluation of these interim remediation events is included in the Doulos report entitled *Evaluation of Interim Remediation with Vacuum Truck/Dual Phase Extraction Events.*
- On May 17, 2002, Tesoro Petroleum purchased the facility from Ultramar.

RDM ENVIRONMENTAL

GROUND WATER LEVEL DATA

Project Address: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA

Date: 4/16/2004

Technicians : SG/DH

Project Number: 02-67106

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-1	7	9:12	13.52	17.74			
MW-2	8	9:19	13.22	22.31			
MW-3	5	9:14	13.07	28.4			
MW-4	9	9:18	13.57	27.45			
MW-5	6	9:07	13.41	28.8			
MW-6	3	8:56	11.85	14.86			
MW-7	2	8:53	12.26	25.45			
MW-8	4	9:09	14.19	28.05			
MW-9	1	9:02	13.04	24.6			

RDM ENVIRONMENTAL

GROUND WATER LEVEL DATA

Project Address: Tesoro Station 67106
1088 Marina Blvd., San Leandro, CA

Date: 4/16/2004

Technicians : SG/DH

Project Number: 02-67106

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-1	7	0912	13.52	17.74			0845 - On site. System found off
MW-2	8	0919	13.22	22.31			~~0853~~ 0853 (common) NFA off site
MW-3	5	0914	13.07	28.4			1400 Off site
MW-4	9	0918	13.57	27.45			
MW-5	6	0907	13.41	28.8			
MW-6	3	0856	11.85	14.86			
MW-7	2	0853	12.26	25.45			
MW-8	4	0909	14.19	28.05			
MW-9	1	0902	13.04	24.6			

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-1
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1155 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	5"		
Well Box	8" (12") 24"	Type of well box	CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	2.03
Time:	0912	Time:		Actual Purge	2.0
Depth of Well	17.74	Depth to Water			
Depth to Water	13.52				

Sample

Start Purge 1203 Sample Time 1220

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1209	65.4	254	7.04					1
1212	65.8	256	7.09					2
1215	65.6	252	7.00					3

Sample Appearance CLOUDY Lock

Equipment Replacement

Lock OK Well Cap OK Bolts NEED 2 Box OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET (8)

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-2
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1230 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	2"		
Well Box	8" (12") 24"	Type of well box	Not Marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	4.36
Time:	0919	Time:		Actual Purge	4.5
Depth of Well	22.31	Depth to Water			
Depth to Water	13.22				

Sample

Start Purge 1234 Sample Time 1242

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1235	65.1	261	6.93					1
1237	65.1	245	6.80					2
1238	65.1	241	6.78					3

Sample Appearance: Clear Lock:

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	OK	Box	OK

Remarks: 1 Bolt (of 3) stored off in well box

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-3
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1117 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	2"		
Well Box	8" (12") 24"	Type of well box	CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	7.36
Time:	0914	Time:		Actual Purge	7.5
Depth of Well	28.4	Depth to Water			
Depth to Water	13.07				

Sample

Start Purge 1122 Sample Time 1130

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1124	66.6	296	6.53					1
1126	66.5	300	6.58					2
1128	66.5	300	6.59					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	OK	Box	OK

Remarks:

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-4
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1250 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	1"		
Well Box	8" 12" (24")	Type of well box	Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	6.66
Time:	0918	Time:		Actual Purge	14.5
Depth of Well	27.45	Depth to Water			
Depth to Water	13.57				

Sample

Start Purge 1252 Sample Time 1340

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1254	66.4	500	7.64					1
1302	66.8	356	6.95					2
1310	67.3	350	6.94					3
1318	66.9	457	6.87					4
1326	66.4	454	6.82					5

Sample Appearance: Cloudy Lock:

Equipment Replacement

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

Remarks: Allowed to recharge 5 minutes between each well volume due to dewatering.

Well volume #6

TIME: 1335
TEMP: 66.3
E.C: 440
pH: ~~6.77~~ 6.77

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-5
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1138 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	AIR SPARGE
Height of Riser	2"		
Well Box 8" 12" (24")	Type of well box		NOT MARKED

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	7.39
Time:	0907	Time:		Actual Purge	7.5
Depth of Well	28.8	Depth to Water			
Depth to Water	13.41				

Sample

Start Purge 1141 Sample Time 1151

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1144	65.5	677	6.74					1
1146	65.4	679	6.81					2
1148	65.8	676	6.69					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock N/A Well Cap OK Bolts NEED 4 Box OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET (3)

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-6
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1035 hours
Standing water	(Yes) No	above or (below) casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	5"		
Well Box	8" (12") 24"	Type of well box	POMECO

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	1.44
Time:	0856	Time:		Actual Purge	1.5
Depth of Well	14.86	Depth to Water			
Depth to Water	11.85				

Sample

Start Purge 1039 Sample Time 1048

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1041	63.7	897	6.87					1
1043	64.7	884	6.91					2
1045	64.1	888	6.92					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	needs 3	Box	ok.

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET (2)

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-7
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1018 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	10"		
Well Box	8" (12") 24"	Type of well box	POMECO

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	6.33
Time:	0853	Time:		Actual Purge	6.5
Depth of Well	25.45	Depth to Water			
Depth to Water	12.26				

Sample

Start Purge 1020 Sample Time 1030

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1023	64.7	411	6.72					1
1025	64.8	420	6.66					2
1027	64.9	422	6.66					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock OK Well Cap OK Bolts NEED 3 Box OK

Remarks: Well box is OK except cannot accept lid b/c 2 receivers w/ sheared bolts, 3rd receiver broken off

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-8
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1100 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	5"		
Well Box	8" (12") 24"	Type of well box	CNI

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	6.65
Time:	0909	Time:		Actual Purge	7.0
Depth of Well	28.05	Depth to Water			
Depth to Water	14.19				

Sample

Start Purge 1102 Sample Time 1110

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1104	64.1	892	6.72					1
1106	64.4	897	6.64					2
1108	64.7	861	6.59					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock	ON	Well Cap	ON	Bolts	ON	Box	ON

Remarks:

Client:	Tesoro	Sample Data:	4/16/2004
Site:	Tesoro Station 67106	Project Number:	02-67106
	1088 Marina Blvd., San Leandro, CA	**Well Designation:**	MW-9
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	0940 hours
Standing water	Yes (No)	above or below casing	
Top of well level	Yes (No)	Remark:	
Well cap & locked	Yes (No)	Remark:	AIR SPARGE
Height of Riser	3"		
Well Box 8" 12" (24")		Type of well box	NOT MARKED

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	22.5
Time:	0902	Time:		Actual Purge	22.5
Depth of Well	24.6	Depth to Water			
Depth to Water	13.04				

Sample

Start Purge 0947 Sample Time 1010

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
0955	66.3	429	7.38					1
1001	66.4	431	7.26					2
1007	66.2	430	7.22					3

Sample Appearance CLEAR Lock

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	I sheared off in box need 3	Box	OK

Remarks:

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 9 Water Samples
Project Name : Tesoro St No 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,

Jeff Dahl

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Subject : 9 Water Samples
Project Name : Tesoro St No 67106
Project Number : 67106

Case Narrative

The Method Reporting Limit for Tert-amyl methyl ether has been increased due to the presence of an interfering compound for sample MW-8.

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-1** Matrix : Water Lab Number : 37955-01
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**29**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**11**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**2.1**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**2800**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-2** Matrix : Water Lab Number : 37955-02
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**30**	1.5	ug/L	EPA 8260B	4/21/2004
Toluene	**30**	1.5	ug/L	EPA 8260B	4/21/2004
Ethylbenzene	**540**	1.5	ug/L	EPA 8260B	4/21/2004
Total Xylenes	**890**	1.5	ug/L	EPA 8260B	4/21/2004
Methyl-t-butyl ether (MTBE)	**30**	1.5	ug/L	EPA 8260B	4/21/2004
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/21/2004
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	4/21/2004
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	4/21/2004
Tert-Butanol	**23**	20	ug/L	EPA 8260B	4/21/2004
TPH as Gasoline	**11000**	200	ug/L	EPA 8260B	4/21/2004
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	4/21/2004
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	4/21/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-3** Matrix : Water Lab Number : 37955-03
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.2**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**45**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**95**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**1400**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-4** Matrix : Water Lab Number : 37955-04
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**72**	5.0	ug/L	EPA 8260B	4/21/2004
Toluene	**420**	5.0	ug/L	EPA 8260B	4/21/2004
Ethylbenzene	**570**	5.0	ug/L	EPA 8260B	4/21/2004
Total Xylenes	**3800**	5.0	ug/L	EPA 8260B	4/21/2004
Methyl-t-butyl ether (MTBE)	**60**	5.0	ug/L	EPA 8260B	4/21/2004
Diisopropyl ether (DIPE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/21/2004
Ethyl-t-butyl ether (ETBE)	**< 5.0**	5.0	ug/L	EPA 8260B	4/21/2004
Tert-amyl methyl ether (TAME)	**< 5.0**	5.0	ug/L	EPA 8260B	4/21/2004
Tert-Butanol	**< 50**	50	ug/L	EPA 8260B	4/21/2004
TPH as Gasoline	**19000**	500	ug/L	EPA 8260B	4/21/2004
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	4/21/2004
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	4/21/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-5** Matrix : Water Lab Number : 37955-05
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**26**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**0.73**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**45**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**53**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**81**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**130**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**2400**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-6** Matrix : Water Lab Number : 37955-06
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	94.7		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-7** Matrix : Water Lab Number : 37955-07
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	94.5		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-8** Matrix : Water Lab Number : 37955-08
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**57**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**52**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**75**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**300**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.80**	0.80	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**140**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**2900**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

KIFF ANALYTICAL LLC

Report Number : 37955
Date : 4/27/2004

Project Name : **Tesoro St No 67106**
Project Number : **67106**

Sample : **MW-9** Matrix : Water Lab Number : 37955-09
Sample Date :4/16/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	**53**	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

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

Report Number : 37955

Date : 4/27/2004

QC Report : Method Blank Data

Project Name : **Tesoro St No 67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	88.6		%	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	96.8		%	EPA 8260B	4/20/2004
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	95.4		%	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	4/20/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/21/2004
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/21/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/21/2004
Toluene - d8 (Surr)	102		%	EPA 8260B	4/21/2004
4-Bromofluorobenzene (Surr)	97.1		%	EPA 8260B	4/21/2004
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	105		%	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	94.7		%	EPA 8260B	4/20/2004

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

Report Number : 37955

Date : 4/27/2004

QC Report : Method Blank Data

Project Name : **Tesoro St No 67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/20/2004
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/20/2004
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/2004
Toluene - d8 (Surr)	103		%	EPA 8260B	4/20/2004
4-Bromofluorobenzene (Surr)	95.8		%	EPA 8260B	4/20/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

Report Number : 37955

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 4/27/2004

Project Name : **Tesoro St No 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	37957-01	<0.50	40.0	40.0	40.7	39.6	ug/L	EPA 8260B	4/20/04	102	99.1	2.63	70-130	25
Toluene	37957-01	<0.50	40.0	40.0	35.8	35.5	ug/L	EPA 8260B	4/20/04	89.6	88.7	0.981	70-130	25
Tert-Butanol	37957-01	<5.0	200	200	199	205	ug/L	EPA 8260B	4/20/04	99.3	103	3.24	70-130	25
Methyl-t-Butyl Ether	37957-01	<0.50	40.0	40.0	35.5	33.9	ug/L	EPA 8260B	4/20/04	88.7	84.8	4.52	70-130	25
Benzene	37955-05	26	40.0	40.0	65.8	63.0	ug/L	EPA 8260B	4/20/04	100	93.0	7.35	70-130	25
Toluene	37955-05	0.73	40.0	40.0	36.7	35.1	ug/L	EPA 8260B	4/20/04	89.9	86.0	4.44	70-130	25
Tert-Butanol	37955-05	130	200	200	326	318	ug/L	EPA 8260B	4/20/04	99.8	95.5	4.36	70-130	25
Methyl-t-Butyl Ether	37955-05	81	40.0	40.0	123	123	ug/L	EPA 8260B	4/20/04	104	104	0.0294	70-130	25
Benzene	37946-01	30	40.0	40.0	72.4	70.0	ug/L	EPA 8260B	4/21/04	105	99.2	5.90	70-130	25
Toluene	37946-01	0.96	40.0	40.0	40.1	39.0	ug/L	EPA 8260B	4/21/04	97.8	95.0	2.87	70-130	25
Tert-Butanol	37946-01	42	200	200	244	239	ug/L	EPA 8260B	4/21/04	101	98.6	2.57	70-130	25
Methyl-t-Butyl Ether	37946-01	130	40.0	40.0	169	170	ug/L	EPA 8260B	4/21/04	105	107	1.84	70-130	25
Benzene	37955-03	1.2	40.0	40.0	45.7	44.2	ug/L	EPA 8260B	4/20/04	111	108	3.57	70-130	25
Toluene	37955-03	<0.50	40.0	40.0	37.0	35.5	ug/L	EPA 8260B	4/20/04	92.6	88.8	4.26	70-130	25
Tert-Butanol	37955-03	95	200	200	283	279	ug/L	EPA 8260B	4/20/04	93.7	91.8	2.07	70-130	25
Methyl-t-Butyl Ether	37955-03	45	40.0	40.0	85.1	83.7	ug/L	EPA 8260B	4/20/04	100	96.6	3.68	70-130	25
Benzene	37959-04	<0.50	40.0	40.0	42.4	41.0	ug/L	EPA 8260B	4/20/04	106	102	3.44	70-130	25
Toluene	37959-04	<0.50	40.0	40.0	41.1	41.8	ug/L	EPA 8260B	4/20/04	103	104	1.73	70-130	25

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

Report Number : 37955

Date : 4/27/2004

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro St No 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
Tert-Butanol	37959-04	<5.0	200	200	205	208	ug/L	EPA 8260B	4/20/04	102	104	1.49	70-130	25
Methyl-t-Butyl Ether	37959-04	6.2	40.0	40.0	50.8	51.8	ug/L	EPA 8260B	4/20/04	111	114	2.40	70-130	25

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

Report Number : 37955

QC Report : Laboratory Control Sample (LCS)

Date : 4/27/2004

Project Name : **Tesoro St No 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	4/20/04	88.2	70-130
Toluene	40.0	ug/L	EPA 8260B	4/20/04	89.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/04	94.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/04	84.0	70-130
Benzene	40.0	ug/L	EPA 8260B	4/20/04	94.3	70-130
Toluene	40.0	ug/L	EPA 8260B	4/20/04	95.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/04	96.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/04	93.9	70-130
Benzene	40.0	ug/L	EPA 8260B	4/21/04	96.8	70-130
Toluene	40.0	ug/L	EPA 8260B	4/21/04	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/21/04	98.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/21/04	97.9	70-130
Benzene	40.0	ug/L	EPA 8260B	4/20/04	107	70-130
Toluene	40.0	ug/L	EPA 8260B	4/20/04	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/04	90.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/04	92.0	70-130
Benzene	40.0	ug/L	EPA 8260B	4/20/04	102	70-130

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

Report Number : 37955

Date : 4/27/2004

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro St No 67106**

Project Number : **67106**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	4/20/04	98.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/20/04	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/20/04	99.0	70-130

Approved By: Jeff Dahl

KIFF ANALYTICAL, LLC

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

KIFF ANALYTICAL LLC

Analysis Summary

Report Number : 37955
Date : 4/27/2004

Attention : Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Project Name :Tesoro St No 67106
Project Number : 67106

		Sample Name	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
		Sample Date	4/16/2004		4/16/2004		4/16/2004		4/16/2004		4/16/2004		4/16/2004		4/16/2004		4/16/2004	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	1.5	**30**	0.50	**1.2**	5.0	**72**	0.50	**26**	0.50	ND	0.50	ND	0.50	**57**
Toluene	EPA 8260B	ug/L	0.50	ND	1.5	**30**	0.50	ND	5.0	**420**	0.50	**0.73**	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**29**	1.5	**540**	0.50	ND	5.0	**570**	0.50	**45**	0.50	ND	0.50	ND	0.50	**52**
Total Xylenes	EPA 8260B	ug/L	0.50	**11**	1.5	**890**	0.50	ND	5.0	**3800**	0.50	**53**	0.50	ND	0.50	ND	0.50	**75**
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	**2.1**	1.5	**30**	0.50	**45**	5.0	**60**	0.50	**81**	0.50	ND	0.50	ND	0.50	**300**
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	5.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	5.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	1.5	ND	0.50	ND	5.0	ND	0.50	ND	0.50	ND	0.50	ND	0.80	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	20	**23**	5.0	**95**	50	ND	5.0	**130**	5.0	ND	5.0	ND	5.0	**140**
TPH as Gasoline	EPA 8260B	ug/L	50	**2800**	200	**11000**	50	**1400**	500	**19000**	50	**2400**	50	ND	50	ND	50	**2900**
Toluene - d8 (Surr)	EPA 8260B	%		101		98.5		106		99.0		96.2		101		98.9		99.3
4-Bromofluorobenzene (Surr)	EPA 8260B	%		102		97.8		95.7		105		107		94.7		94.5		104

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Jeff Dahl

KIFF ANALYTICAL LLC

Analysis Summary

Report Number : 37955
Date : 4/27/2004

Attention : Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Project Name :Tesoro St No 67106
Project Number : 67106

			Sample Name	MW-9
			Sample Date	4/16/2004
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	53
Toluene - d8 (Surr)	EPA 8260B	%		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		100

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Jeff Dahl

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

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 37955 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch
Company/Address: 1704 Via Riata, Roseville, CA 95747
Phone No.: 916 771 7098 FAX No.: 916 771 4584
Project Number: 67106 P.O. No:
Project Name: Tesoro St No 67106
Project Address: 1088 Marina Blvd San Leandro

California EDF Report? ☐ Yes ☐ No
Recommended but not mandatory to complete this section:
Sampling Company Log Code: RDMR
Global ID: T0600010140 9
EDF Deliverable To (Email Address): RMA
Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Analysis Request	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
MW-1	4/16/04	1220	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		01
MW-2	4/16/04	1242	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		02
MW-3	4/16/04	1130	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		03
MW-4	4/16/04	1340	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		04
MW-5	4/16/04	1151	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		05
MW-6	4/16/04	1048	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		06
MW-7	4/16/04	1030	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		07
MW-8	4/16/04	1110	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		08
MW-9	4/16/04	1010	3		X		X		X		5 Oxygenates/TPH Gas/BTEX (8260B)		09

Analysis Request: BTEX (8021B); BTEX/TPH Gas/MTBE (8021B/M8015); TPH as Diesel (M8015); TPH as Motor Oil (M8015); TPH Gas/BTEX/MTBE (8260B); 7 Oxygenates/TPH Gas/BTEX (8260B); 5 Oxygenates (8260B); 7 Oxygenates (8260B); Lead Scav. (1,2 DCA & 1,2 EDB - 8260B); EPA 8260B (Full List); Volatile Halocarbons (EPA 8260B); Lead (7421/239.2); TOTAL (X); W.E.T. (X)

	Date	Time	
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:	041904	1615	Received by Laboratory: Kiff Analytical

Remarks: STAT

Bill to: Tesoro Petroleum / Rob Donovan

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9

ENCLOSURE D

Historical Ground Water Monitoring Data

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-1	03/30/92	33.10	13.58	19.52	---	
	07/01/92		14.80	18.30	---	
	09/30/92		16.12	16.98	---	
	11/19/92		16.34	16.76	27.76	
	02/03/93		12.61	20.49	27.72	
	05/25/93		13.12	19.98	27.70	
	09/22/93		14.18	18.92	27.73	
	12/21/93		14.36	18.74	27.70	
	03/18/94		13.64	19.46	27.67	
	06/15/94		14.30	18.80	27.69	
	09/14/94		15.18	17.92	27.66	
	12/19/94		13.79	19.31	27.70	
	12/21/95		13.86	19.24	---	
	03/07/95		12.74	20.36	29.51	
	06/08/95		12.95	20.15	29.54	
	09/22/95		13.94	19.16	29.54	
	12/27/95		13.57	19.53	29.92	
	03/26/96		12.13	20.97	29.90	
	06/13/96		13.10	20.00	17.02	
	09/10/96		14.08	19.02	17.03	
	12/05/96		13.41	19.69	17.05	
	03/10/97		12.70	20.40	17.04	
	06/12/97		13.68	19.42	17.04	
	08/19/97		14.31	18.79	17.01	
	12/13/97		13.19	19.91	17.01	
MW-2	03/30/92	32.80	13.32	19.48	---	
	07/01/92		14.42	18.38	---	
	09/30/92		15.78	17.02	---	
	11/19/92		15.99	16.81	24.56	
	02/03/93		12.31	20.49	25.37	
	05/25/93		12.97	19.83	25.31	
	09/22/93		14.32	18.48	25.34	
	12/21/93		14.52	18.28	25.31	
	03/18/94		13.45	19.35	25.49	
	06/15/94		14.07	18.73	25.50	
	09/14/94		14.96	17.84	25.50	
	12/19/94		13.64	19.16	25.52	
	12/21/95		13.71	19.09	---	
	03/07/95		12.54	20.26	25.87	
	06/08/95		12.81	19.99	25.86	
	09/22/95		13.66	19.14	25.80	
	12/27/95		13.42	19.38	25.83	
	03/26/96		12.05	20.75	25.83	
	06/13/96		12.79	20.01	26.39	
	09/10/96		13.73	19.07	26.43	
	12/05/96		13.29	19.51	26.45	
	03/10/97		12.42	20.38	26.48	
	06/12/97		13.18	19.62	26.50	
	08/19/97		13.94	18.86	26.52	
	12/13/97		12.91	19.89	19.02	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-3	03/30/92	32.30	12.96	19.34	---	
	07/01/92		14.00	18.30	---	
	09/30/92		15.36	16.94	---	
	11/19/92		15.57	16.73	24.45	
	02/03/93		11.96	20.34	24.54	
	05/25/93		14.12	18.18	24.50	
	09/22/93		13.88	18.42	24.50	
	12/21/93		14.12	18.18	24.50	
	03/18/94		13.04	19.26	24.57	
	06/15/94		13.65	18.65	24.78	
	09/14/94		14.54	17.76	24.59	
	12/19/94		13.28	19.02	24.71	
	12/21/95		13.30	19.00	---	
	03/07/95		12.26	20.04	26.03	
	06/08/95		12.42	19.88	26.02	
	09/22/95		13.25	19.05	26.00	
	12/27/95		13.04	19.26	26.00	
	03/26/96		11.62	20.68	26.01	
	06/13/96		12.61	19.69	28.45	
	09/10/96		13.49	18.81	28.42	
	12/05/96		13.07	19.23	28.42	
	03/10/97		12.23	20.07	28.41	
	06/12/97		12.94	19.36	28.44	
	08/19/97		12.85	19.45	28.45	
	12/13/97		12.45	19.85	28.43	
MW-4	03/30/92	32.90	13.60	19.30	---	
	07/01/92		15.72	17.18	---	
	09/30/92		16.04	16.86	---	
	11/19/92		16.21	16.69	26.92	
	02/03/93		12.70	20.20	27.00	
	05/25/93		12.97	19.93	26.88	
	09/22/93		14.51	18.39	26.90	
	12/21/93		14.75	18.15	26.90	
	03/18/94		13.68	19.22	27.24	
	06/15/94		14.37	18.53	28.54	
	09/14/94		15.23	17.67	27.25	
	12/19/94		13.93	18.97	28.61	
	12/21/95		13.99	18.91	---	
	03/07/95		12.86	20.04	28.64	
	06/08/95		13.10	19.80	28.68	
	09/22/95		13.98	18.92	28.71	
	12/27/95		13.74	19.16	28.71	
	03/26/96		12.30	20.60	28.70	
	06/13/96		13.18	19.72	27.86	
	09/10/96		14.22	18.68	27.40	
	12/05/96		13.65	19.25	27.40	
	03/10/97		12.79	20.11	27.42	
	06/12/97		13.51	19.39	27.40	
	08/19/97		14.29	18.61	27.40	
	12/13/97		13.43	19.47	27.43	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-5	03/30/92	32.70	13.48	19.22	---	
	07/01/92		14.58	18.12	---	
	09/30/92		15.82	16.88	---	
	11/19/92		16.00	16.70	27.56	
	02/03/93		12.40	20.30	27.61	
	05/25/93		13.01	19.69	27.61	
	09/22/93		14.37	18.33	27.64	
	12/21/93		14.58	18.12	27.01	
	03/18/94		13.53	19.17	28.70	
	06/15/94		14.18	18.52	28.74	
	09/14/94		15.07	17.63	28.70	
	12/19/94		13.74	18.96	28.76	
	12/21/95		13.84	18.86	---	
	03/07/95		12.73	19.97	28.88	
	06/08/95		12.99	19.71	28.87	
	09/22/95		13.83	18.87	28.85	
	12/27/95		13.59	19.11	28.85	
	03/26/96		12.20	20.50	28.84	
	06/13/96		12.98	19.72	28.84	
	09/10/96		13.96	18.74	28.87	
	12/05/96		13.36	19.34	28.87	
	03/10/97		12.74	19.96	28.86	
	06/12/97		13.06	19.64	28.83	
	08/19/97		14.21	18.49	28.82	
	12/13/97		13.51	19.19	28.85	
MW-6	03/30/92	30.40	12.62	17.78	---	
	07/01/92		12.70	17.70	---	
	09/30/92		13.40	17.00	---	
	11/19/92		13.59	16.81	15.10	
	02/03/93		12.43	17.97	15.01	
	05/25/93		---	---	---	*
	10/11/93		12.82	17.58	15.10	
	12/21/93		13.06	17.34	15.10	
	03/18/94		12.16	18.24	15.16	
	06/15/94		12.59	17.81	15.17	
	09/14/94		12.86	17.54	14.97	
	12/19/94		12.48	17.92	15.19	
	12/21/95		11.61	18.79	---	
	03/07/95		12.37	18.03	14.98	
	06/08/95		11.14	19.26	15.00	
	09/22/95		12.44	17.96	15.00	
	12/27/95		12.21	18.19	14.98	
	03/26/96		12.26	18.14	14.97	
	06/13/96		12.55	17.85	14.98	
	09/10/96		12.31	18.09	15.01	
	12/05/96		12.22	18.18	15.00	
	03/10/97		12.19	18.21	15.01	
	06/12/97		12.28	18.12	14.97	
	08/19/97		12.30	18.10	14.98	
	12/13/97		11.93	18.47	14.93	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-7	03/30/92	31.20	12.34	18.86	---	
	07/01/92		15.54	15.66	---	
	09/30/92		14.64	16.56	---	
	11/19/92		14.80	16.40	25.10	
	02/03/93		11.36	19.84	25.02	
	05/25/93		---	---	---	*
	09/22/93		13.18	18.02	25.01	
	12/21/93		13.42	17.78	25.02	
	03/18/94		12.36	18.84	25.13	
	06/15/94		13.01	18.19	25.21	
	09/14/94		13.88	17.32	25.13	
	12/19/94		12.61	18.59	25.23	
	12/21/95		12.38	18.82	---	
	03/07/95		11.56	19.64	25.22	
	06/08/95		11.82	19.38	25.20	
	09/22/95		12.67	18.53	25.23	
	12/27/95		12.34	18.86	25.23	
	03/26/96		11.03	20.17	25.21	
	06/13/96		11.76	19.44	25.20	
	09/10/96		12.71	18.49	24.56	
	12/05/96		12.32	18.88	24.56	
	03/10/97		11.38	19.82	24.53	
	06/12/97		12.28	18.92	24.52	
	08/19/97		12.92	18.28	24.52	
	12/13/97		11.69	19.51	24.50	
MW-8	03/30/92	33.80	14.66	19.14	---	
	07/01/92		15.74	18.06	---	
	09/30/92		17.00	16.80	---	
	11/19/92		17.01	16.79	29.75	
	02/03/93		13.83	19.97	29.88	
	05/25/93		13.01	20.79	29.86	
	09/22/93		15.81	17.99	24.52	
	12/21/93		16.05	17.75	29.86	
	03/18/94		14.62	19.18	29.87	
	06/15/94		15.29	18.51	30.07	
	09/14/94		16.22	17.58	29.87	
	12/19/94		14.81	18.99	30.05	
	12/21/95		14.89	18.91	---	
	03/07/95		13.75	20.05	29.94	
	06/08/95		13.98	19.82	29.93	
	09/22/95		14.92	18.88	29.95	
	12/27/95		14.61	19.19	29.92	
	03/26/96		13.09	20.71	29.73	
	06/13/96		13.81	19.99	27.92	
	09/10/96		14.80	19.00	27.95	
	12/05/96		14.05	19.75	27.96	
	03/10/97		13.40	20.40	27.98	
	06/12/97		14.31	19.49	27.95	
	08/19/97		13.85	19.95	27.94	
	12/13/97		13.92	19.88	27.93	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-9	12/21/95	32.56	13.76	18.80	---	
	03/07/95		12.79	19.77	24.71	
	06/08/95		12.96	19.60	24.70	
	09/22/95		13.73	18.83	24.72	
	12/27/95		13.53	19.03	24.71	
	03/26/96		12.27	20.29	24.70	
	06/13/96		12.84	19.72	24.53	
	09/10/96		13.49	19.07	24.58	
	12/05/96		13.18	19.38	24.60	
	03/10/97		12.25	20.31	24.66	
	06/12/97		12.70	19.86	24.66	
	08/19/97		17.89	14.67	24.68	
	12/13/97		15.79	16.77	24.68	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	03/30/92	27,000		630	550	540	1,900
	07/01/92	55,000		840	1,000	830	3,600
	09/30/92	6,400		150	95	120	470
	11/19/92	1,300		90	11	50	87
	02/03/93	53,000		750	560	950	5,700
	05/25/93	9,400		200	86	470	1,500
	09/22/93	41,000		1,000	510	850	1,100
	12/21/93	41,000		1,000	490	2,700	13,000
	03/18/94	9,500		320	160	830	2,900
	06/15/94	8,000		310	80	990	2,300
	09/14/94	3,600		130	31	390	630
	12/19/94	17,000		350	150	1,500	5,200
	03/07/95	12,000		180	62	1,200	3,200
	06/08/95	6,300		76	8	560	860
	09/22/95	12,000		140	55	1,500	2,500
	12/27/95	3,900		60	13	480	870
	03/26/96	6,400		42	4.9	560	600
	06/13/96	9,600	<50	86	39	1,100	1,700
	09/10/96	16,000	<50	65	35	1,500	2,700
	12/05/96	6,400	<25	25	11	570	930
	03/10/97	15,000	<50	42	<5.0	1,400	1,500
	06/12/97	16,000	<100	33	34	1,100	1,700
	08/19/97	17,000	<100	47	14	1,300	2,200
	12/13/97	5,800	<100	20	35	360	470
MW-2	03/30/92	52,000		2,300	1,700	940	3,300
	07/01/92	130,000		3,500	2,900	1,900	7,900
	09/30/92	24,000		890	350	500	1,700
	11/19/92	32,000		1,900	1,700	870	3,400
	02/03/93	64,000		1,900	2,200	860	4,100
	05/25/93	34,000		3,300	1,500	1,300	5,900
	09/22/93	8,000		640	150	270	2,000
	12/21/93	18,000		1,500	410	1,300	5,000
	03/18/94	14,000		1,600	790	1,100	3,700
	06/15/94	13,000		1,600	580	1,200	4,100
	09/14/94	20,000		1,600	560	1,800	6,400
	12/19/94	19,000		1,700	750	1,600	5,800
	03/07/95	17,000		1,900	980	1,300	5,100
	06/08/95	19,000		2,100	740	1,500	4,900
	09/22/95	12,000		840	170	1,100	3,400
	12/27/95	16,000		1,100	540	1,400	5,100
	03/26/96	11,000		930	520	970	3,000
	06/13/96	11,000	1,200	1,800	1,400	1,500	4,500
	09/10/96	19,000	1,100	1,600	600	1,600	5,000
	12/05/96	12,000	180	650	180	1,000	2,800
	03/10/97	6,800	69	430	95	590	1,800
	06/12/97	20,000	100	610	140	1,500	4,300
	08/19/97	3,600	<100	250	10	250	250
	12/13/97	8,300	75	370	150	450	1,600

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-3	03/30/92	21,000		560	50	630	980
	07/01/92	13,000		150	20	22	300
	09/30/92	4,500		53	2.6	84	96
	11/19/92	4,700		73	6.2	140	120
	02/03/93	23,000		220	40	430	740
	05/25/93	9,900		120	26	370	520
	09/22/93	10,000		370	71	320	640
	12/21/93	7,800		130	8.5	430	380
	03/18/94	3,100		22	1.3	78	41
	06/15/94	1,700		8.6	1.4	22	15
	09/14/94	1,400		3.8	<1.3	13	18
	12/19/94	3,800		70	1.7	140	110
	03/07/95	2,200		9.4	<1.3	30	21
	06/08/95	1,700		5.8	<1.3	2.3	14
	09/22/95	1,200		<1.3	<1.3	1.3	<1.3
	12/27/95	1,300		2.4	<1.3	3.3	3.6
	03/26/96	1,200		4.3	<1.3	4.2	2
	06/13/96	1,300	28	5.1	<0.50	21	6.5
	09/10/96	810	<5.0	1.4	4.8	1.6	2.1
	12/05/96	590	<5.0	<0.50	3.2	0.79	0.52
	03/10/97	650	<5.0	0.73	3.8	2.4	1.6
	06/12/97	710	<5.0	<0.50	3.5	2.9	3.6
	08/19/97	1,400	13	2.2	0.58	11	34
	12/13/97	810	<5.0	0.96	<0.50	0.54	1.8
MW-4	03/30/92	76,000		8,000	4,400	730	2,500
	07/01/92	95,000		6,900	2,200	70	880
	09/30/92	58,000		7,100	1,500	650	2,700
	11/19/92	33,000		5,500	840	400	1,400
	02/03/93	130,000		8,200	6,700	940	4,400
	05/25/93	63,000		16,000	6,600	1,700	8,100
	09/22/93	23,000		6,900	940	150	3,000
	12/21/93	28,000		6,900	1,900	1,100	5,500
	03/18/94	58,000		17,000	6,300	2,500	10,000
	06/15/94	59,000		20,000	4,900	2,500	9,100
	09/14/94	73,000		22,000	6,800	2,700	10,000
	12/19/94	67,000		20,000	8,300	2,300	9,100
	03/07/95	57,000		19,000	7,900	2,200	8,700
	06/08/95	61,000		17,000	6,300	2,700	9,000
	09/22/95	37,000		12,000	2,200	1,400	3,500
	12/27/95	39,000		12,000	6,000	1,800	5,800
	03/26/96	31,000		9,600	3,700	2,300	6,200
	06/13/96	240	89	64	0.93	1.8	2.7
	09/10/96	91,000	2,900	13,000	20,000	3,200	16,000
	12/05/96	16,000	1,200	3,700	3,100	580	2,800
	03/10/97	630	530	91	<0.50	<0.50	0.8
	06/12/97	36,000	1,100	4,600	5,300	1,200	5,500
	08/19/97	12,000	390	420	88	61	520
	12/13/97	4,800	360	560	740	130	1,100

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-5	03/30/92	29,000		2,600	980	390	1,100
	07/01/92	52,000		2,400	1,000	5,200	2,000
	09/30/92	32,000		1,800	780	370	1,700
	11/19/92	7,800		1,000	280	120	370
	02/03/93	74,000		3,500	3,000	780	3,200
	05/25/93	57,000		7,900	4,700	1,900	7,800
	09/22/93	52,000		7,600	2,400	1,200	8,800
	12/21/93	23,000		3,600	1,200	970	3,600
	03/18/94	47,000		8,200	5,000	1,400	6,100
	06/15/94	28,000		7,900	4,000	1,200	5,200
	09/14/94	32,000		8,000	5,100	1,400	5,600
	12/19/94	29,000		7,000	3,400	1,200	5,200
	03/07/95	36,000		9,800	5,800	1,800	7,800
	06/08/95	33,000		7,700	3,800	1,500	6,200
	09/22/95	39,000		9,500	3,800	1,900	7,000
	12/27/95	42,000		9,700	5,000	2,200	8,800
	03/26/96	37,000		9,800	4,900	2,300	8,800
	06/13/96	18,000	1,400	5,500	2,200	1,500	5,300
	09/10/96	22,000	860	5,600	1,400	1,100	3,500
	12/05/96	24,000	650	5,100	2,500	1,400	4,700
	03/10/97	28,000	760	6,800	2,700	1,300	5,700
	06/12/97	49,000	700	7,500	3,200	2,300	9,200
	08/19/97	24,000	1,600	4,700	990	1,400	4,500
	12/13/97	18,000	360	2,700	760	630	4,200
MW-6	03/30/92	73		2.1	1.1	ND	0.6
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		0.73	ND	ND	0.58
	11/19/92	96		1.5	<0.5	<0.5	0.9
	02/03/93	73		0.6	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	10/11/93	<50		<0.5	<0.5	<0.5	<0.5
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/10/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-7	03/30/92	ND		ND	ND	ND	ND
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		ND	ND	ND	ND
	11/19/92	<50		<0.5	<0.5	<0.5	<0.5
	02/03/93	<50		<0.5	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	09/22/93	<50		0.51	0.82	<0.5	0.81
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/07/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-8	03/30/92	3,000		1,700	880	970	1,900
	07/01/92	72,000		1,800	550	520	2,200
	09/30/92	12,000		680	140	140	560
	11/19/92	9,600		530	310	130	560
	02/03/93	44,000		1,500	1,300	490	2,300
	05/25/93	7,400		580	160	170	480
	09/22/93	2,400		490	45	37	140
	12/21/93	1,400		240	7.5	<2.5	82
	03/18/94	8,600		1,600	680	470	1,900
	06/15/94	4,800		980	380	260	1,200
	09/14/94	6,600		1,200	280	330	1,100
	12/19/94	8,400		1,800	390	500	2,000
	03/07/95	7,400		1,400	370	440	2,000
	06/08/95	6,000		790	220	290	1,400
	09/22/95	4,100		750	93	230	860
	12/27/95	5,400		860	140	350	1,400
	03/26/96	1,700		180	27	100	370
	06/13/96	2,400	42	500	67	220	850
	09/10/96	7,000	<50	1,300	100	410	1,600
	12/05/96	6,300	<50	1,100	78	410	1,600
	03/07/97	6,500	<130	840	67	330	1,500
	06/12/97	7,500	<50	1,000	79	390	1,400
	08/19/97	1,100	<20	170	14	38	220
	12/13/97	4,100	24	300	29	190	860

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-9	12/20/94	16,000		2,500	1,400	690	2,800
	03/07/95	5,200		1,600	250	320	520
	06/08/95	4,900		1,000	98	300	200
	09/22/95	4,000		1,100	82	190	200
	12/27/95	2,800		960	100	200	250
	03/26/96	1,600		380	44	96	110
	06/13/96	1,800	750	540	71	140	180
	09/10/96	2,400	810	860	70	190	210
	12/05/96	5,500	960	2,100	420	380	720
	03/07/97	4,200	720	1,300	170	260	440
	06/12/97	11,000	1,000	2,500	490	560	1,300
	08/19/97	42,000	<1,000	7,700	3,500	2,000	8,300
	12/13/97	13,000	710	1,300	280	960	3,100

NOTES:	<	=	Below indicated detection limit
	ND	=	Reported as "nondetect" by previous consultant.
	NS	=	Not sampled.

ENCLOSURE E

Remediation System Analytical Results

KIFF ANALYTICAL LLC

Report Number : 38476
Date : 5/30/2004

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 38476

Date : 5/30/2004

Project Name : **67106**

Project Number : **67106**

Sample : **SVEINF** Matrix : Air Lab Number : 38476-01

Sample Date :5/26/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.13**	0.050	ppmv	EPA 8260B	5/28/2004
Toluene	**0.88**	0.050	ppmv	EPA 8260B	5/28/2004
Ethylbenzene	**0.24**	0.050	ppmv	EPA 8260B	5/28/2004
Total Xylenes	**1.3**	0.050	ppmv	EPA 8260B	5/28/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	5/28/2004
TPH as Gasoline	**19**	5.0	ppmv	EPA 8260B	5/28/2004
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	5/28/2004
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	5/28/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 38476

Date : 5/30/2004

Project Name : **67106**

Project Number : **67106**

Sample : **SVEMID** Matrix : Air Lab Number : 38476-02

Sample Date :5/26/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Total Xylenes	**0.15**	0.050	ppmv	EPA 8260B	5/28/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	5/28/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	5/28/2004
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	5/28/2004
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	5/28/2004
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	5/28/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 38476

Date : 5/30/2004

Project Name : **67106**

Project Number : **67106**

Sample : **SVEEFF** Matrix : Air Lab Number : 38476-03

Sample Date :5/26/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/27/2004
Toluene	**0.070**	0.050	ppmv	EPA 8260B	5/27/2004
Ethylbenzene	**0.066**	0.050	ppmv	EPA 8260B	5/27/2004
Total Xylenes	**0.51**	0.050	ppmv	EPA 8260B	5/27/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/27/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/27/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	5/27/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	5/27/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	5/27/2004
TPH as Gasoline	**7.2**	5.0	ppmv	EPA 8260B	5/27/2004
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	5/27/2004
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	5/27/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Analysis Summary

Report Number : 38476
Date : 5/30/2004

Attention : Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Project Name :67106
Project Number : 67106

			Sample Name	SVEINF		SVEMID		SVEEFF	
			Sample Date	5/26/2004		5/26/2004		5/26/2004	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv		0.050	**0.13**	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv		0.050	**0.88**	0.050	ND	0.050	**0.070**
Ethylbenzene	EPA 8260B	ppmv		0.050	**0.24**	0.050	ND	0.050	**0.066**
Total Xylenes	EPA 8260B	ppmv		0.050	**1.3**	0.050	**0.15**	0.050	**0.51**
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	**19**	5.0	ND	5.0	**7.2**
Toluene - d8 (Surr)	EPA 8260B	%			99.6		99.2		98.8
4-Bromofluorobenzene (Surr)	EPA 8260B	%			99.4		97.8		99.6

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 38476 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

Company/Address: RDM

Phone No.: 916 771 7098 FAX No.: 916 771 4584

Project Number: 67106 P.O. No:

Project Name: 67106

Project Address: San Leandro

California EDF Report? ☐ Yes ☐ No

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable To (Email Address):

Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix:	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
SVEINF	5/26/04	1100			1			1	1			1						X								X	-01
SVEMID	5/26/04	1258			1			1	1			1						X								X	-02
SVEEFF	5/26/04	1256			1			1	1			1						X								X	-03

Relinquished by:	Date	Time	Received by:
Douglas Hoff			
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	052704	1509	B. A. B — Kiff Analytical

Remarks: STAT

Bill to: Rob Donovan / Tesoro

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9

KIFF ANALYTICAL LLC

Report Number : 39048
Date : 7/3/2004

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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,

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 39048

Date : 7/3/2004

Project Name : **67106**

Project Number : **67106**

Sample : **ASINF** Matrix : Air Lab Number : 39048-01

Sample Date :6/30/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.15**	0.050	ppmv	EPA 8260B	7/2/2004
Toluene	**0.83**	0.050	ppmv	EPA 8260B	7/2/2004
Ethylbenzene	**0.30**	0.050	ppmv	EPA 8260B	7/2/2004
Total Xylenes	**1.7**	0.050	ppmv	EPA 8260B	7/2/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	7/2/2004
TPH as Gasoline	**33**	5.0	ppmv	EPA 8260B	7/2/2004
4-Bromofluorobenzene (Surr)	92.7		% Recovery	EPA 8260B	7/2/2004
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	7/2/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 39048
Date : 7/3/2004

Project Name : **67106**
Project Number : **67106**

Sample : **ASMID** Matrix : Air Lab Number : 39048-02
Sample Date :6/30/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	7/2/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	7/2/2004
TPH as Gasoline	**16**	5.0	ppmv	EPA 8260B	7/2/2004
4-Bromofluorobenzene (Surr)	89.7		% Recovery	EPA 8260B	7/2/2004
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	7/2/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 39048

Date : 7/3/2004

Project Name : **67106**

Project Number : **67106**

Sample : **ASEFF** Matrix : Air Lab Number : 39048-03

Sample Date :6/30/2004

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Methyl-t-butyl ether (MTBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Diisopropyl ether (DIPE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Ethyl-t-butyl ether (ETBE)	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Tert-amyl methyl ether (TAME)	**< 0.050**	0.050	ppmv	EPA 8260B	7/1/2004
Tert-Butanol	**< 0.50**	0.50	ppmv	EPA 8260B	7/1/2004
TPH as Gasoline	**5.2**	5.0	ppmv	EPA 8260B	7/1/2004
4-Bromofluorobenzene (Surr)	90.6		% Recovery	EPA 8260B	7/1/2004
Toluene - d8 (Surr)	95.5		% Recovery	EPA 8260B	7/1/2004

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Analysis Summary

Report Number : 39048
Date : 7/3/2004

Attention : Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Project Name :67106
Project Number : 67106

			Sample Name	ASINF		ASMID		ASEFF	
			Sample Date	6/30/2004		6/30/2004		6/30/2004	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv		0.050	**0.15**	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv		0.050	**0.83**	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv		0.050	**0.30**	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv		0.050	**1.7**	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	**33**	5.0	**16**	5.0	**5.2**
Toluene - d8 (Surr)	EPA 8260B	%			98.0		98.8		95.5
4-Bromofluorobenzene (Surr)	EPA 8260B	%			92.7		89.7		90.6

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

KIFF ANALYTICAL LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 39048 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch
Company/Address: RTKM Envir. / Roseville
Phone No.: 916 771 7098 FAX No.: 916 771 4584
Project Number: 67106 P.O. No:
Project Name: 67106
Project Address: San Leandro

California EDF Report? ☐ Yes ☐ No
Recommended but not mandatory to complete this section:
Sampling Company Log Code:
Global ID:
EDF Deliverable To (Email Address):
Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: Air
ASINF	6/30/04	2248			1				X			X
ASMID	6/30/04	2246			1				X			X
ASEFF	6/30/04	2244			1				X			X

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X)	W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
					X										X	01
					X										X	02
					X										X	03

Relinquished by: Douglas Hoff — Date — Time — Received by:
Relinquished by: — Date — Time — Received by:
Relinquished by: — Date: 07/01/04 — Time: 1245 — Received by Laboratory: N. [illegible] / KIFF ANALYTICAL

Remarks: STAT

Bill to: RB Donovan / Tesoro

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9