

Ro-498

**Kelleher & Associates  
Environmental Management**

**1658 E. Capitol Expy PMB 293  
San Jose, CA 95121  
Phone: (408) 528-7719  
Fax: (408) 528-7720  
bkellehr@ix.netcom.com**

November 30, 2002

Eva Chu  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502

**Alameda County**

**DEC 06 2002**

**Environmental Health**

Susan Keach  
Oro Loma Sanitary District  
2600 Grant Avenue  
San Lorenzo, CA 94580

**Site:** TESORO STATION # 67107 (former Beacon # 3721), 44 Lewelling Blvd, San Lorenzo, CA  
**Re:** Technical Report Submittal

Dear Ms. Chu and Ms. Keach:

Please find enclosed herewith a copy of the following technical report prepared by RDM, Roseville, CA: *Quarterly Groundwater Monitoring and Remediation Status Report Third Quarter 2002* dated November 6, 2002.

As an authorized representative of Tesoro Petroleum and Refining Company (Tesoro), I have reviewed the enclosed report and declare under penalty of perjury that to the best of my knowledge the information contained in the report is true and correct

The report covers the groundwater-monitoring event Doulas Environmental conducted on August 6, 2002 during which they sounded twelve monitoring wells, purged and sampled eight wells, and provided for certified analyses of total petroleum hydrocarbon constituents, BTEX, and MTBE using EPA Method 8260B. The next groundwater-monitoring event is scheduled for the fourth quarter 2002.

The report also covers operation of remedial processes for groundwater extraction/treatment (GET) and sparging-enhanced soil vapor extraction (SESVE) during the third quarter 2002. During this period the GET system extracted 365,600 gallons of groundwater and the SESVE system extracted 20.2 pounds of gasoline vapors. Tesoro has contracted RDM to continue operations through the end of the calendar year.

Sincerely,

  
Brian T. Kelleher  
Project Coordinator

Enclosure: CC with enclosure: Robert Donovan, Tesoro; Glenn Dembroff, Ultramar; Richard Munsch, RDM (cover letter only).



## Environmental

1704 Via Riata, Roseville, CA 95747

Tel: (916) 771-7098, FAX : (916) 771-4584

November 6, 2002

Mr. Rob Donovan  
 Tesoro Petroleum Companies, Inc.  
 3450 S. 344<sup>th</sup> Way, Suite 100  
 Auburn, Washington 98001-5931

Subject: *Quarterly Ground Water Monitoring and  
 Remediation System Status Report, Third Quarter 2002*  
 Tesoro Station No. 67107  
 (Former Beacon Station No. 3721)  
 44 Lewelling Boulevard  
 San Lorenzo, California  
 RDM Project No. 00-3721

Dear Mr. Donovan:

On Behalf of Tesoro Refining and Marketing Company, RDM Environmental (RDM) is submitting the following quarterly monitoring report to the Alameda County Environmental Health Department. This report describes quarterly ground water monitoring and remediation system status for the **Third Quarter 2002**.

### Work Performed During the Third Quarter 2002:

- Doulos Environmental Inc. performed ground water sampling on **August 6, 2002**.
- RDM conducted operation and maintenance on the remediation system.

### STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is summarized in Table 1. A site location map, site detail map, ground water elevation map, and benzene, total petroleum hydrocarbons as gasoline, and methyl-t-butyl ether isoconcentration maps are shown on Figures 1 through 6, respectively. 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.

- Local ground water flows towards recovery well RW-1 and 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 ground water treatment, soil vapor extraction (SVE) and air sparging components. Details of system performance and cumulative totals are tabulated in Tables 2 through 4. A process flow diagram showing details of the system is shown as Figure 7.

*Cost Effective Solutions*

**Operation & Maintenance Site Visits:**

- Operation and maintenance site visits were conducted for the **Third Quarter 2002** on:
  - **July 5 and 23, 2002**
  - **August 1 and 21, 2002**
  - **September 14 and 23, 2002**

**Ground Water Extraction System Performance:**

- The ground water treatment system operated intermittently during the **Third Quarter 2002**.
- During the **Third Quarter 2002**, the ground water system processed **365,600** gallons.
- As of **September 23, 2002**, the ground water system has processed approximately **1,487,490** gallons.
- The ground water system performance data is included in Table 2 and the remediation system analytical results are included in Enclosure D.
- Ground water is extracted from recovery well RW-1.

**Soil Vapor Extraction System Performance:**

- The SVE system operated continuously during the **Third Quarter 2002**.
- During the **Third Quarter 2002**, the SVE system removed **20.2** pounds of vapor equivalent gasoline.
- As of **September 23, 2002**, the SVE system has removed approximately **134.5** pounds (22 gallons) of vapor equivalent gasoline.
- The SVE analytical results are summarized in Table 3 and the SVE system performance data is included in Table 4. The remediation system analytical results are included in Enclosure D.
- Soil vapor extraction is currently being conducted on wells MW-2, MW-3 and RW-1.

**Air Sparging System Performance:**

- The air sparging system operated continuously during the **Third Quarter 2002**.
- Air sparging is currently being conducted on monitoring wells MW-2 and MW-4 and air sparging wells AS-1, AS-2 and AS-3.
- The air compressor is on a 50/50 duty cycle.

**CONCLUSIONS/RECOMMENDATIONS**

RDM recommends continued operation of the remediation system and quarterly ground water monitoring.

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.

Mr. Rob Donovan  
Tesoro Petroleum Companies, Inc.  
November 6, 2002  
Page 3

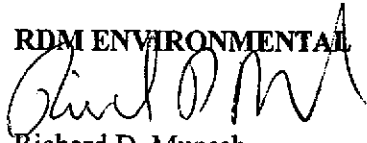
RDM recommends a copy of this report be forward to the following people:

Ms. Eva Chu  
Alameda County  
Environmental Health Department  
470 27<sup>th</sup> Street, Room 322  
Oakland, CA 94612

Mr. Steven Ritchie – 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



RDM (3721 3Q GWM 8-6-02)

**Enclosures:**

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

TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	NA	No free product or sheen
(Cont.)	08/19/98		14.58	29.09	12	<2.5	6.0 <sup>e</sup>	3.8 <sup>e</sup>	<250 <sup>e</sup>	2,200	NA	No free product or sheen
	11/17/98		15.39	28.28	8.3	<2.5	9.2	7.6	860	4,200	NA	No free product or sheen
	02/18/99		13.52	30.15	2.7	<2.5	<2.5	3.9	310	4,200	NA	No free product or sheen
	06/24/99		15.02	28.65	10	<2.5	12	6.5	860	3,400	NA	No free product or sheen
	08/30/99		15.87	27.80	2.0	<0.5	3.9	2.0	140	2,800	NA	No free product or sheen
	11/09/99		16.65	27.02	<0.5	<0.5	3.1	2.0	170	1,500	NA	No free product or sheen
	03/22/00		13.96	29.71	2.8	<2.0	3.6	<2.0	<200	1,200	NA	No free product or sheen
	06/12/00		15.23	28.44	1.3	<1.0	<1.0	<1.0	190	640	NA	No free product or sheen
	11/15/00		17.05	26.62	<1.0	<0.1	<1.0	<1.0	240	960	NA	No free product or sheen
	02/26/01		15.46	28.21	1.2	<1.0	<1.0	<1.0	<100	2,800	NA	No free product or sheen
	05/21/01		16.22	27.45	<2.0	<2.0	<2.0	<2.0	<200	540	NA	No free product or sheen
	09/05/01		11.25	32.42	7.0	<2.0	<2.0	<2.0	<200	550	NA	No free product or sheen
	11/07/01		18.01	25.66	<2.0	<2.0	<2.0	<2.0	290	750	NA	No free product or sheen
	02/11/02	45.98	15.77	30.21	<1.0	<1.0	<1.0	<1.0	270	450	NA	No free product or sheen
	06/03/02		16.35	29.63	<2.0	<2.0	<2.0	<2.0	310	610	26 <sup>e</sup>	No free product or sheen
	08/06/02		17.00	28.98	<0.5	<0.5	<0.5	<0.5	170	540	20 <sup>e</sup>	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	02/18/92	43.09	16.65	26.44	<0.5	<0.5	1.9	<0.5	1,600	NA	NA	
	05/14/92		16.64	26.45	1.2	1	1.3	<0.5	740	NA	NA	
	08/27/92		16.61	26.28	6.5	1.1	0.6	<0.5	1,400	NA	NA	
	11/19/92		19.91	23.18	<0.5	<0.5	2.7	<0.5	360	NA	NA	
	02/03/93		15.23	27.86	1.2	1.6	4.5	6.4	590	NA	NA	
	06/23/93		15.55	27.54	<0.5	<0.5	0.52	0.5	160	NA	NA	No free product or sheen
	09/22/93		17.22	25.87	<0.5	0.59	1.2	0.59	290	NA	NA	No free product or sheen
	01/24/94		17.20	25.89	<0.5	<0.5	0.68	<0.5	330	NA	NA	
	04/07/94		16.26	26.83	<0.5	<0.5	<0.5	4.4	490	NA	NA	No free product or sheen
	06/07/94		16.46	26.63	<0.5	<0.5	1.5	<0.5	550	NA	NA	No free product or sheen
	09/28/94		18.06	25.03	<0.5	<0.5	<0.5	<0.5	190	NA	NA	No free product or sheen
	12/14/94		16.86	26.23	7.2	0.84	<0.5	<0.5	1,400	NA	NA	No free product or sheen
	03/15/95		14.08	29.01	39	<0.5	0.53	<0.5	730	NA	NA	No free product or sheen
	06/13/95		14.67	28.42	8.3	<0.5	<0.5	<0.5	750 <sup>a</sup>	NA	NA	No free product or sheen
	09/28/95		16.07	27.02	<0.5	<0.5	<0.5	<0.5	670 <sup>a</sup>	NA	NA	No free product or sheen
	12/28/95		16.46	26.63	9.5	<5.0	<5.0	5.2	3,100	4,600	NA	No free product or sheen
	03/12/96		13.11	29.98	<1.3	<1.3	<1.3	<1.3	710	3,200	NA	No free product or sheen
	06/11/96		14.14	28.95	1.6	<1.3	<1.3	<1.3	1,900 <sup>a</sup>	5,100	NA	No free product or sheen
	10/02/96		15.71	27.38	<2.5	<2.5	<2.5	<2.5	2,800	7,900	NA	No free product or sheen
	01/28/97		12.05	31.04	<0.5	<0.5	<0.5	<0.5	130	210	NA	No free product or sheen
	05/20/97		14.65	28.44	120	16	<2.5	4.0	1,400	390	NA	No free product or sheen
	08/18/97		16.00	27.09	<2.5	<2.5	<2.5	<2.5	<250	2,000	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.75	26.34	<2.5	<2.5	<2.5	<2.5	<250	2,900/2,900 <sup>b</sup>	NA	No free product or sheen
	03/31/98		11.54	31.55	<0.5	<0.5	<0.5	<0.5	<10,000	85,000	NA	No free product or sheen
	05/26/98		12.78	30.31	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<500	<500	<500	<500	<50,000	97,000	NA	No free product or sheen
	08/19/98		14.40	28.69	<0.5	<0.5	<0.5	<0.5	210	22,000	NA	No free product or sheen
	11/17/98		15.18	27.91	<0.5	<0.5	<0.5	<0.5	<50	17,000	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	02/18/99	43.09	14.07	29.02	<0.5	<0.5	<0.5	<0.5	<50	13,000	NA	No free product or sheen
(Cont.)	06/24/99		14.70	28.39	<15	<0.5	<0.5	<0.5	180	39,000	NA	No free product or sheen
	08/30/99		15.46	27.63	<25	<25	<25	<25	<2,500	18,000	NA	No free product or sheen
	11/09/99		16.03	27.06	<5.0	<5.0	<5.0	<5.0	<500	14,000	NA	No free product or sheen
	03/22/00		13.05	30.04	<5.0	<5.0	<5.0	<5.0	<500	54,000	NA	No free product or sheen
	06/12/00		14.50	28.59	<20	<20	<20	<20	<2,000	53,000	NA	No free product or sheen
	11/15/00		16.28	26.81	<50	<50	<50	<50	<5,000	35,000	NA	No free product or sheen
	02/26/01		14.98	28.11	<20	<20	<20	<20	<2,000	2,800	NA	No free product or sheen
	05/21/01		15.45	27.64	<25	<25	<25	<25	<5,000	20,000	NA	No free product or sheen
	09/05/01		15.17	27.92	<20	<20	<20	<20	<2,000	12,000	NA	No free product or sheen
	11/07/01		17.05	26.04	<20	<20	<20	<20	<2,000	7,600	NA	No free product or sheen
	02/11/02	45.23	13.29	31.94	<5.0	<5.0	<5.0	<5.0	<500	1,500	NA	No free product or sheen
	06/03/02		14.84	30.39	<5.0	<5.0	<5.0	<5.0	<500	2,200	190°	No free product or sheen
	08/06/02		14.85	30.38	<5.0	<5.0	<5.0	<5.0	<500	3,300	110°	No free product or sheen



TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	03/31/98	43.10	11.55	31.55	1,800	600	410	1,400	12,000	510	NA	No free product or sheen
(Cont.)	05/26/98		12.80	30.30	NS	NS	NS	NS	NS	NS	NA	No free product or sheen
	05/28/98		NM	NC	1,500	400	280	870	6,500	480	NA	No free product or sheen
	08/19/98		14.27	28.83	130	11	24	60	1,400	140	NA	No free product or sheen
	11/17/98		15.11	27.99	48	3.5	9.9	14	510	120	NA	No free product or sheen
	02/18/99		13.30	29.80	67	28	24	81	690	88	NA	No free product or sheen
	06/24/99		14.44	28.66	27	21	8.6	32	540	61	NA	No free product or sheen
	08/30/99		15.05	28.05	12	12	3.2	13	250	50	NA	No free product or sheen
	11/09/99		15.72	27.38	9.8	5.3	3.4	10	230	48	NA	No free product or sheen
	03/22/00		13.21	29.89	180	47	46	100	1,500	80	NA	No free product or sheen
	06/12/00		14.31	28.79	100	6.2	20	25	920	76	NA	No free product or sheen
	11/15/00		16.13	26.97	280	5.0	21	20	1,100	140	NA	No free product or sheen
	02/26/01		14.48	28.62	14	4.3	3.1	11	140	230	NA	No free product or sheen
	05/21/01		15.30	27.80	36	0.72	1.0	2.2	510	280	NA	No free product or sheen
	09/05/01		16.10	27.00	59	0.53	0.75	0.57	390	620	NA	No free product or sheen
	11/07/01		17.40	25.70	170	2.3	4.9	4.8	830	900	NA	No free product or sheen
	02/11/02		45.21	13.56	31.65	17	<2.5	4.7	7.9	370	1,200	NA
	06/03/02	15.54		29.67	120	<2.5	5.6	8.4	460	1,400	140 <sup>e</sup>	No free product or sheen
	08/06/02	16.20		29.01	110	<5.0	<5.0	<5.0	800	2,200	170 <sup>e</sup>	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-4	11/17/98	44.66	16.93	27.73	1.3	<0.5	<0.5	<0.5	<50	780	NA	No free product or sheen
(Cont.)	02/18/99		15.30	29.36	8.2	<0.5	<0.5	<0.5	130	240	NA	No free product or sheen
	06/24/99		16.35	28.31	<1.0	<0.5	<0.5	<0.5	<50	2,100	NA	No free product or sheen
	08/30/99		17.12	27.54	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.60	27.06	<0.5	<0.5	<0.5	<0.5	<50	2,500	NA	No free product or sheen
	03/22/00		14.98	29.68	<0.5	<0.5	<0.5	<0.5	69	12,000	NA	No free product or sheen
	06/12/00		16.26	28.40	<20	<20	<20	<20	<2,000	17,000	NA	No free product or sheen
	11/15/00		17.98	26.68	<1.0	<1.0	<1.0	<1.0	<100	17,000	NA	No free product or sheen
	02/26/01		16.31	28.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		17.15	27.51	<25	<25	<25	<25	<5,000	13,000	NA	No free product or sheen
	09/05/01		18.22	26.44	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/07/01		19.01	25.65	<10	<10	<10	<10	<1,000	3,800	NA	No free product or sheen
	02/11/02	46.98	16.68	30.30	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	06/03/02		17.29	29.69	<2.0	<2.0	<2.0	<2.0	<200	1,100	38 <sup>e</sup> , 2.0 <sup>f</sup>	No free product or sheen
	08/06/02		17.92	29.06	NS	NS	NS	NS	NS	NS	NA	Not Sampled

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5	02/18/92	43.79	17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	05/14/92		17.29	26.50	<0.5	<0.05	<0.5	<0.5	<50	NA	NA	
	08/27/92		22.18	21.61	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		20.68	23.11	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	02/03/93		15.91	27.88	3.0	2.7	8.0	9.9	55	NA	NA	
	06/23/93		16.24	27.55	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		17.93	25.86	0.66	1.1	<0.5	0.6	<50	NA	NA	No free product or sheen
	01/24/94		17.82	25.97	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	04/07/94		16.91	26.88	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		17.10	26.69	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		18.73	25.06	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		17.53	26.26	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		14.96	28.83	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		15.30	28.49	<0.5	0.52	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		16.74	27.05	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		15.10	28.69	<0.5	<0.5	<0.5	<0.5	120	<5.0	NA	No free product or sheen
	03/12/96		13.67	30.12	<0.5	<0.5	<0.5	<0.5	<50	9	NA	No free product or sheen
	06/11/96		14.88	28.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		16.42	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.83	30.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		15.33	28.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		16.69	27.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 <sup>b</sup>	NA	No free product or sheen
	03/31/98		12.40	31.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		13.62	30.17	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		15.19	28.60	<0.5	<0.5	<0.5	<0.5	<50	7	NA	No free product or sheen
	11/17/98		15.89	27.90	<0.5	<0.5	<0.5	<0.5	<50	6	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5	02/18/99	43.79	14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		15.29	28.50	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		16.07	27.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		16.61	27.18	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		15.08	28.71	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.71	27.08	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		15.05	28.74	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.91	27.88	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.99	26.80	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.51	26.28	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	46.12	14.31	31.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.96	31.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.65	30.47	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-6	02/18/92	42.47	15.87	26.60	4.8	<0.5	<0.5	<0.5	370	NA	NA	
	05/14/92		16.04	26.43	<0.5	<0.5	<0.5	<0.5	120	NA	NA	
	08/27/92		18.17	24.30	1.2	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		19.30	23.17	1.3	<0.5	1	1.1	66	NA	NA	
	02/03/93		14.60	27.87	1.9	2.6	23	12	100	NA	NA	
	06/23/93		15.00	27.47	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		16.66	25.81	2.2	3.8	0.53	2.7	81	NA	NA	No free product or sheen
	01/24/94		16.52	25.95	<0.5	<0.5	<0.5	<0.5	98	NA	NA	
	04/07/94		15.70	26.77	0.71	<0.5	<0.5	<0.5	150	NA	NA	No free product or sheen
	06/07/94		15.88	26.59	<0.5	<0.5	<0.5	<0.5	180	NA	NA	No free product or sheen
	09/28/94		17.51	24.96	<0.5	<0.5	<0.5	<0.5	100	NA	NA	No free product or sheen
	12/14/94		16.27	26.20	<0.5	<0.5	<0.5	<0.5	140	NA	NA	No free product or sheen
	03/15/95		13.52	28.95	<0.5	<0.5	<0.5	<0.5	110	NA	NA	No free product or sheen
	06/13/95		13.96	28.51	<0.5	0.87	<0.5	<0.5	150 <sup>a</sup>	NA	NA	No free product or sheen
	09/28/95		15.61	26.86	0.78	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		15.54	26.93	<0.5	<0.5	<0.5	6.3	410	70	NA	No free product or sheen
	01/30/96		NM	NC	1.0	<0.5	<0.5	11	81	46	NA	Not measured
	03/12/96		11.88	30.59	<0.5	<0.5	<0.5	<0.5	<50	7	NA	No free product or sheen
	06/11/96		13.52	28.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		15.10	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		11.18	31.29	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		14.00	28.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		15.54	26.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.22	<0.5	<0.5	<0.5	<0.5	<50	<5.0/2.8 <sup>b</sup>	NA	No free product or sheen
	03/31/98		10.60	31.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		12.01	30.46	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		13.60	28.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-6 (Cont.)	11/17/98	42.47	14.53	27.94	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	02/18/99		12.39	30.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/24/99		13.89	28.58	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.75	27.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.18	27.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		12.30	30.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		13.69	28.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.73	26.74	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.42	28.05	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.23	27.24	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.31	26.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01			17.01	25.46	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	44.79		15.72	29.07	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02			16.39	28.40	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02			18.90	25.89	NS	NS	NS	NS	NS	NS	Not Sampled



TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	02/18/92	41.54	15.51	26.03	16	<0.5	10	16	670	NA	NA	
	05/14/92		15.41	26.13	44	<0.5	38	88	1,500	NA	NA	
	08/27/92		17.45	24.09	400	5.8	290	1,400	23,000	NA	NA	
	11/19/92		18.54	23.00	29	<0.5	10	53	330	NA	NA	
	02/03/93		14.10	27.44	200	<0.5	110	480	2,000	NA	NA	
	06/23/93		14.33	27.21	20	<0.5	16	16	280	NA	NA	No free product or sheen
	09/22/93		15.92	25.62	71	2.2	33	210	860	NA	NA	No free product or sheen
	01/24/94		16.07	25.47	61	<1.3	10	160	900	NA	NA	
	04/07/94		15.10	26.44	53	<0.5	7.1	49	630	NA	NA	
	06/07/94		15.16	26.38	55	<0.5	14	24	730	NA	NA	No free product or sheen
	09/28/94		16.82	24.72	21	<0.5	2.3	3.1	300	NA	NA	No free product or sheen
	12/14/94		15.75	25.79	19	<0.5	3.3	32	430	NA	NA	No free product or sheen
	03/15/95		14.00	27.54	0.88	<0.5	<0.5	<0.5	70	NA	NA	No free product or sheen
	06/13/95		13.44	28.10	7.3	0.79	7.6	8.9	190	NA	NA	No free product or sheen
	09/28/95		14.84	26.70	1.5	<0.5	1.2	0.84	60	NA	NA	No free product or sheen
	12/28/95		14.55	26.99	<0.5	<0.5	0.91	0.69	60	10	NA	No free product or sheen
	03/12/96		11.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	NA	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	NA	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	NA	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0 <sup>b</sup>	NA	No free product or sheen
	03/31/98		10.25	31.29	<0.5	<0.5	<0.5	1.3	<5.0	6	NA	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	10	NA	No free product or sheen
	08/19/98		13.08	28.46	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No free product or sheen
	11/17/98		13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	02/18/99	42.26	13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		14.35	27.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		15.16	27.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.61	26.65	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		14.19	28.07	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.04	26.22	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		12.99	29.27	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		13.86	28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		14.91	27.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		15.62	26.64	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	44.85	13.55	31.30	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		13.96	30.89	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.82	29.03	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

## GROUND WATER MONITORING DATA

Tesoro Station No. 67107

Former Beacon Station No. 3721

44 Lewelling Boulevard

San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	02/18/92	44.94	18.87	26.07	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	05/14/92		18.55	26.39	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	08/27/92		20.80	24.14	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		21.90	23.04	<0.5	<0.5	<0.5	1.3	<50	NA	NA	
	02/03/93		17.25	27.69	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	06/23/93		17.61	27.33	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		19.18	25.76	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	01/24/94		19.17	25.77	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	04/07/94		18.23	26.71	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		18.40	26.54	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		20.01	24.93	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		18.88	26.06	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		16.24	28.70	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		16.75	28.19	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		18.04	26.90	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		17.87	27.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	06/11/96		16.26	28.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		17.74	27.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		14.51	30.43	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		16.73	28.21	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		18.61	26.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 <sup>b</sup>	NA	No free product or sheen
	03/31/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	05/26/98		15.28	29.66	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	08/19/98		16.55	28.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	11/17/98		17.32	27.62	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	02/18/99	44.94	15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		16.73	28.21	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		17.48	27.46	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.98	26.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		18.65	26.29	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.80	30.14	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.68	29.26	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.23	27.71	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	47.26	17.16	30.10	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		17.66	29.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No free product or sheen
	08/06/02		18.26	29.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-10	08/19/98	42.34	14.27	28.07	95	160	1,300	1,700	14,000	<100	NA	No free product or sheen
(Cont.)	11/17/98		15.08	27.26	82	64	590	150	7500	290	NA	No free product or sheen
	02/18/99		13.61	28.73	41	16	270	79	4,700	<100	NA	No free product or sheen
	06/24/99		14.50	27.84	27	74	280	160	9,400	300	NA	No free product or sheen
	08/30/99		15.26	27.08	15	33	160	33	8,500	290	NA	No free product or sheen
	11/09/99		15.72	26.62	3.9	11	60	14	7,600	120	NA	No free product or sheen
	03/22/00		13.40	28.94	3.5	33	360	320	5,800	160	NA	No free product or sheen
	06/12/00		14.42	27.92	4.3	47	370	210	7,200	270	NA	No free product or sheen
	11/15/00		16.75	25.59	0.54	2.2	3.8	7.3	4,400	420	NA	No free product or sheen
	02/26/01		14.73	27.61	<1.0	2.5	24	13	5,000	860	NA	No free product or sheen
	05/21/01		15.25	27.09	<0.5	3.2	4.1	12	3,500	530	NA	No free product or sheen
	09/05/01		16.35	25.99	<2.0	<2.0	<2.0	4.1	3,400	770	NA	No free product or sheen
	11/07/01		17.05	25.29	<0.5	0.64	0.75	2.7	3,600	790	NA	No free product or sheen
	02/11/02	44.65	14.94	29.71	<2.0	2.2	61	26	4,100	750	NA	No free product or sheen
	06/03/02		15.41	29.24	<1.0	7.0	67	37	4,100	320	26 <sup>c</sup>	No free product or sheen
	08/06/02		15.98	28.67	<1.0	5.4	18	18	4,500	310	18 <sup>c</sup>	No free product or sheen



TABLE 1

## GROUND WATER MONITORING DATA

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

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

TABLE 1

## GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-11	02/18/99	45.00	16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	NA	No free product or sheen
(Cont.)	06/24/99		17.50	27.50	4.6	<0.5	0.66	<0.5	610	59	NA	No free product or sheen
	08/30/99		18.19	26.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		18.64	26.36	0.87	<0.5	<0.5	<0.5	250	66	NA	No free product or sheen
	03/22/00		16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100	NA	No free product or sheen
	06/12/00		17.44	27.56	<0.5	<0.5	<0.5	<0.5	52	49	NA	No free product or sheen
	11/15/00		19.07	25.93	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	
	02/26/01		17.80	27.20	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		18.23	26.77	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen
	09/05/01		19.21	25.79	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		19.80	25.20	<0.5	<0.5	<0.5	<0.5	360	330	NA	No free product or sheen
	02/11/02	47.36	17.40	29.96	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		18.30	29.06	<0.5	<0.5	<0.5	<0.5	120	220	13°	No free product or sheen
	08/06/02		18.80	28.56	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

## GROUND WATER MONITORING DATA

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

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

**TABLE 1**  
**GROUND WATER MONITORING DATA**

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-1	11/17/98	43.17	15.54	27.63	7.8	<2.5	5.6	<2.5	630	730	NA	No free product or sheen
(cont)	02/18/99		13.75	29.42	6.7	1.6	3.2	15	180	100	NA	No free product or sheen
	06/24/99		14.96	28.21	<0.5	<0.5	<0.5	<0.5	<50	42	NA	No free product or sheen
	08/30/99		15.75	27.42	<0.5	<0.5	<0.5	<0.5	<50	79	NA	No free product or sheen
	11/09/99		17.45	25.72	<0.5	<0.5	<0.5	<0.5	<50	78	NA	No free product or sheen
	03/22/00		13.51	29.66	1.2	<0.5	<0.5	<0.5	<50	17	NA	No free product or sheen
	06/12/00		13.65	29.52	<0.5	<0.5	<0.5	1.0	<50	40	NA	No free product or sheen
	11/15/00		29.45	13.72	<0.5	<0.5	<0.5	<0.5	<50	290	NA	No free product or sheen
	02/26/01		28.40	14.77	<0.5	<0.5	<0.5	<0.5	<50	360	NA	No free product or sheen
	05/21/01		43.17	27.81	4.1	1.6	1.8	23	100	170	NA	No free product or sheen
	09/05/01		26.90	16.27	33	<0.5	<0.5	<0.5	73	310	NA	No free product or sheen
	11/07/01		28.41	14.76	<0.5	<0.5	<0.5	<0.5	<50	240	NA	No free product or sheen
	02/11/02	45.47	27.61	17.86	<0.5	<0.5	<0.5	<0.5	<50	21	NA	No free product or sheen
	06/03/02		26.90	18.57	<0.5	<0.5	<0.5	<0.5	<50	160	7.7 <sup>e</sup>	No free product or sheen
	08/06/02		25.56	19.91	<0.5	<0.5	<0.5	<0.5	<50	190	6.0 <sup>e</sup>	No free product or sheen

<sup>a</sup> Product is not typical gasoline.

<sup>b</sup> MTBE by EPA Method 8020/EPA Method 8260.

<sup>c</sup> Constituents by EPA Method 8260.

<sup>d</sup> Oxygenates = diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, methanol, and ethanol.

<sup>e</sup> Tert-Butanol

<sup>f</sup> Tert-amly methyl ether

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

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

NS = Not sampled.

NM = Not measured.

NC = Not calculated.

NA = Not analyzed.

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

Table 2  
Ground Water System Performance Data Sheet  
Tesoro Station No. 67107  
(Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ( µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
10/4/00	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/17/00	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/10/00	190,440	300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/29/00	200,600	10,460	Influent	14	<0.5	<0.5	1.1	96	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
12/7/00	201,010	410	Influent	14	<0.5	<0.5	<0.5	56	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
12/20/00	218,900	17,890	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/04/01	218,970	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/19/01	110	100	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
02/15/01	12,730	12,620	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/23/01	21,900	9,170	Influent	<0.5	<0.5	<0.5	<0.5	<50	240	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	7.3	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.4	<10	5.0	7.63

Table 2  
 Ground Water System Performance Data Sheet  
 Tesoro Station No. 67107  
 (Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ( µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
03/01/01	22,260	360	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<10	<5.0	7.49
03/23/01	50,000	27,740	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/05/01	118,900	68,900	Influent	<0.5	<0.5	<0.5	<0.5	<50	320	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	65	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	9.2	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.79
04/18/01	140,190	21,290	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/15/01	159,810	19,620	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/21/01	172,540	12,730	Influent	3.8	1.4	1.3	16	67	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<10	<5.0	7.90
06/05/01	185,810	13,270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/21/01	185,830	20	Influent	2.9	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<10	<5.0	7.44
07/05/01	186,000	170	Influent	3.6	<0.5	<0.5	<0.5	<50	290	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	100	8.3	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	47	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	12	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	6.99

Table 2  
Ground Water System Performance Data Sheet  
Tesoro Station No. 67107  
(Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
07/16/01	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/17/01	186,040	40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/24/01	207,160	21,120	Influent	8.5	<0.5	<0.5	1.4	<50	370	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	100	62	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	90	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	25	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.79
09/06/01	233,430	26,270	Influent	66	0.93	<0.5	6.3	150	650	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	6.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	67	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	24	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.62
09/29/01	239,410	5,980	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/08/01	273,690	34,280	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/19/01	273,800	110	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/02/01	352,260	78,460	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/23/01	394,260	42,000	Influent	22	<2.0	<2.0	<2.0	<200	630	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	31	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	9.07/7.82**
12/13/01	400,690	6,430	Influent	5.7	<1.0	<1.0	<1.0	<100	370	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	31	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	NA	7.66**
12/27/01	437,150	36,460	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 2  
Ground Water System Performance Data Sheet  
Tesoro Station No. 67107  
(Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ( µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
01/17/02	437,340	190	Influent	<0.5	<0.5	<0.5	<0.5	<50	240	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	25	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.54**
01/29/02	461,150	23,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/13/02	477,300	16,150	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/18/02	507,110	29,810	Influent	0.6	<0.5	<0.5	2.1	<50	180	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	7.8	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.68**
03/08/02	509,940	2,830	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/20/02	561,510	51,570	Influent	1.2	<0.5	<0.5	2.1	<50	210	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	9.5	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	18	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	11	52	7.45**
04/12/02	568,950	7,440	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/18/02	570,490	1,540	Influent	<0.5	<0.5	<0.5	<0.5	<50	140	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	26	7.8**
05/13/02	703,960	133,470	Influent	<0.5	<0.5	<0.5	<0.5	<50	220	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	98	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	13	<1.0	7.45**
05/24/02	762,880	58,920	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS



Table 2  
 Ground Water System Performance Data Sheet  
 Tesoro Station No. 67107  
 (Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ( µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
06/12/02	861,220	98,340	Influent	<0.5	<0.5	<0.5	<0.5	<50	220	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	89	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	23	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	5	7.24**
06/20/02	902,920	41,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/05/02	976,890	73,970	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/23/02	988,120	11,230	Influent	85	<0.5	<0.5	7.3	220	520	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	10	3.6	7.46**
08/01/02	1,040,520	52,400	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/21/02	1,132,920	92,400	Influent	<0.5	<0.5	<0.5	<0.5	<50	190	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	29	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.8	5.1	<1.0	7.32**

Table 2  
 Ground Water System Performance Data Sheet  
 Tesoro Station No. 67107  
 (Former Beacon Station No. 3721)

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ( µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg <sup>a</sup>	MTBE <sup>b</sup>	COD <sup>c</sup>	TSS <sup>d</sup>	
09/14/02	1,245,710	112,790	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/23/02	1,268,520	22,810	Influent	6.5	0.53	1.2	2.5	<50	230	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	7.7	<1.0	7.47**

Total Gallons Treated = (totalizer reading + 218,970 gallons)

\* = changed out totalizer

\*\* = Field Measurements

ppm = parts per million

Notes:

a) Total Petroleum Hydrocarbon as gasoline

b) Methyl-t-butyl ether

c) C.O.D. = Chemical oxygen demand.

d) T.S.S. = Total suspended solids.

**TABLE 3**  
**SVE SYSTEM ANALYTICAL RESULTS**

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	4/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	4/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	4/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	5/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	5/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	5/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	6/8/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	6/8/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	6/8/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	12/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	12/7/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	1/19/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	1/19/01	<0.05	<0.05	<0.05	0.053	<5.0	<0.10
Effluent	1/19/01	<0.05	<0.05	<0.05	0.071	<5.0	<0.10
Influent	2/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	2/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	2/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	3/1/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	3/1/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	3/1/01	<0.05	<0.05	<0.05	0.055	<5.0	<0.10
Influent	4/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	4/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	5/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	5/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

**TABLE 3**  
**SVE SYSTEM ANALYTICAL RESULTS**

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/21/01	<0.05	<0.05	<0.05	<0.05	5.3	<0.10
Mid Air	6/21/01	<0.05	<0.05	<0.05	<0.05	8.4	<0.10
Effluent	6/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	8/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	8/24/01	<0.05	<0.05	<0.05	0.066	<5.0	<0.10
Influent	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	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	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	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	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Mid Air	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.17
Mid Air	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA

**TABLE 3**  
**SVE SYSTEM ANALYTICAL RESULTS**  
 Tesoro Station No. 67107  
 (Former Beacon Station No. 3721)  
 44 Lewelling Boulevard  
 San Lorenzo, California

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

MTBE = methyl-t-butyl ether  
 TPH = Total Petroleum Hydrocarbons  
 ppmv = parts per million by volume  
 NA = not analyzed

TABLE 4

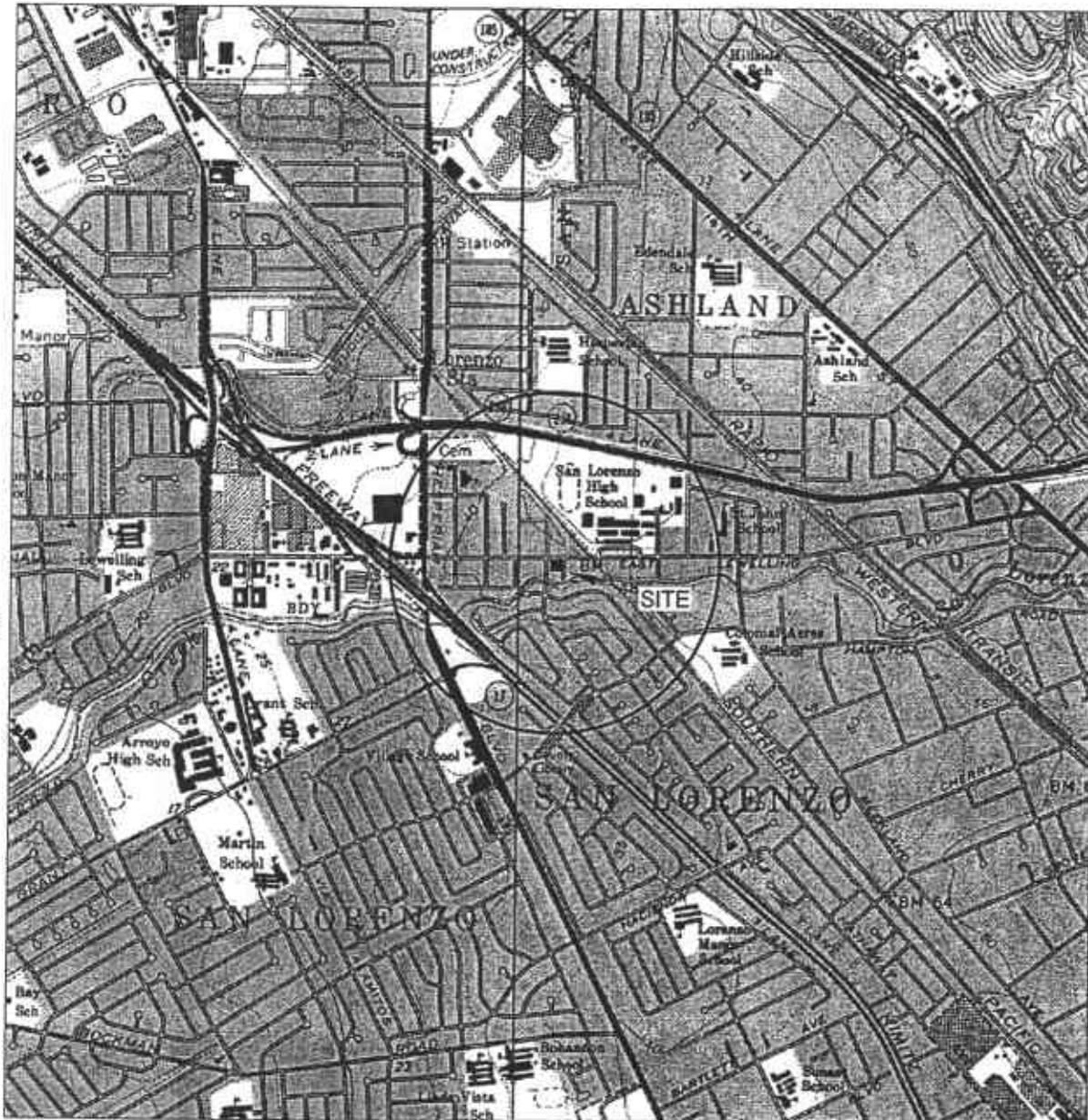
## SVE SYSTEM MONITORING

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

Date	Inlet Flow Rate (ft <sup>3</sup> /min)	Stack Flow Rate (ft <sup>3</sup> /min)	SVE TPH Influent (ppmv)	SVE TPH Effluent (ppmv)	SVE Benzene Influent (ppmv)	SVE Benzene Effluent (ppmv)	SVE TPH Extraction Rate (lbs/day)	SVE TPH Mass Emission (lbs/day)	SVE Benzene Extraction Rate (lbs/day)	SVE Benzene Emission Rate (lbs/day)	Cumulative Volume of Processed Air (cubic feet)	TPH Extraction (lbs)	Cumulative TPH Extraction (lbs)	Total Hours Operated	Change in Hours of Operation
04/07/00	105	105	<5.0	<5.0	<0.05	<0.05	< 0.18	< 0.18	< 0.002	< 0.002	5.53 E+05	0.7	NA	15,346	88
05/10/00	124	124	<5.0	<5.0	<0.05	<0.05	< 0.21	< 0.21	< 0.002	< 0.002	5.88 E+06	6.5	7.2	16,138	792
06/08/00	124	124	<5.0	<5.0	<0.05	<0.05	< 0.21	< 0.21	< 0.002	< 0.002	5.17 E+06	3.1	10.3	16,834	696
11/29/00	140	140	<5.0	<5.0	<0.05	<0.05	< 0.24	< 0.24	< 0.002	< 0.002	2.34 E+07	14.0	24.3	19,619	2,785
12/07/00	140	140	<5.0	<5.0	<0.05	<0.05	< 0.24	< 0.24	< 0.002	< 0.002	1.61 E+06	1.0	25.2	19,811	192
01/19/01	170	170	<5.0	<5.0	<0.05	<0.05	< 0.29	< 0.29	< 0.002	< 0.002	1.05 E+07	6.3	31.5	20,841	1,030
02/23/01	130	130	<5.0	<5.0	<0.05	<0.05	< 0.22	< 0.22	< 0.002	< 0.002	6.52 E+06	3.9	35.4	21,677	836
03/01/01	209	209	<5.0	<5.0	<0.05	<0.05	< 0.36	< 0.36	< 0.003	< 0.003	1.83 E+06	1.1	36.5	21,823	146
04/05/01	205	205	<5.0	<5.0	<0.05	<0.05	< 0.35	< 0.35	< 0.003	< 0.003	1.03 E+07	6.2	42.7	22,661	838
05/21/01	220	220	<5.0	<5.0	<0.05	<0.05	< 0.38	< 0.38	< 0.003	< 0.003	6.17 E+06	3.7	46.4	23,128	468
06/21/01	240	240	5.3	<5.0	<0.05	<0.05	< 0.44	< 0.41	< 0.003	< 0.003	1.06 E+07	6.7	53.1	23,864	735
07/05/01	220	220	<5.0	<5.0	<0.05	<0.05	< 0.38	< 0.38	< 0.003	< 0.003	4.38 E+06	2.6	55.7	24,196	332
08/24/01	220	220	<5.0	<5.0	<0.05	<0.05	< 0.38	< 0.38	< 0.003	< 0.003	2.16 E+06	1.3	57.0	24,359	163
09/29/01	240	240	<5.0	<5.0	<0.05	<0.05	< 0.41	< 0.41	< 0.003	< 0.003	4.42 E+06	2.6	59.7	24,666	307
11/23/01	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	2.58 E+07	15.5	75.1	26,537	1,871
12/13/01	210	210	<5.0	<5.0	<0.05	<0.05	< 0.36	< 0.36	< 0.003	< 0.003	6.05 E+06	3.6	78.8	27,017	480
01/17/02	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	1.17 E+07	7.0	85.7	27,861	844
03/20/02	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	2.05 E+07	12.3	98.0	29,347	1,486
04/18/02	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	9.49 E+06	5.7	103.7	30,035	688
05/13/02	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	8.29 E+06	5.0	108.7	30,636	601
06/12/02	210	210	<5.0	<5.0	<0.05	<0.05	< 0.36	< 0.36	< 0.003	< 0.003	9.39 E+06	5.6	114.3	31,381	745
08/21/02	230	230	<5.0	<5.0	<0.05	<0.05	< 0.40	< 0.40	< 0.003	< 0.003	2.30 E+07	13.7	128.0	33,044	1,664
09/23/02	228	228	<5.0	<5.0	<0.05	<0.05	< 0.39	< 0.39	< 0.003	< 0.003	1.08 E+07	6.5	134.5	33,832	787

TPH = Total petroleum hydrocarbons.

ppmv = Parts per million by volume.



T.3 S.

R.2 W.

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



QUADRANGLE LOCATION



SCALE 1:24,000

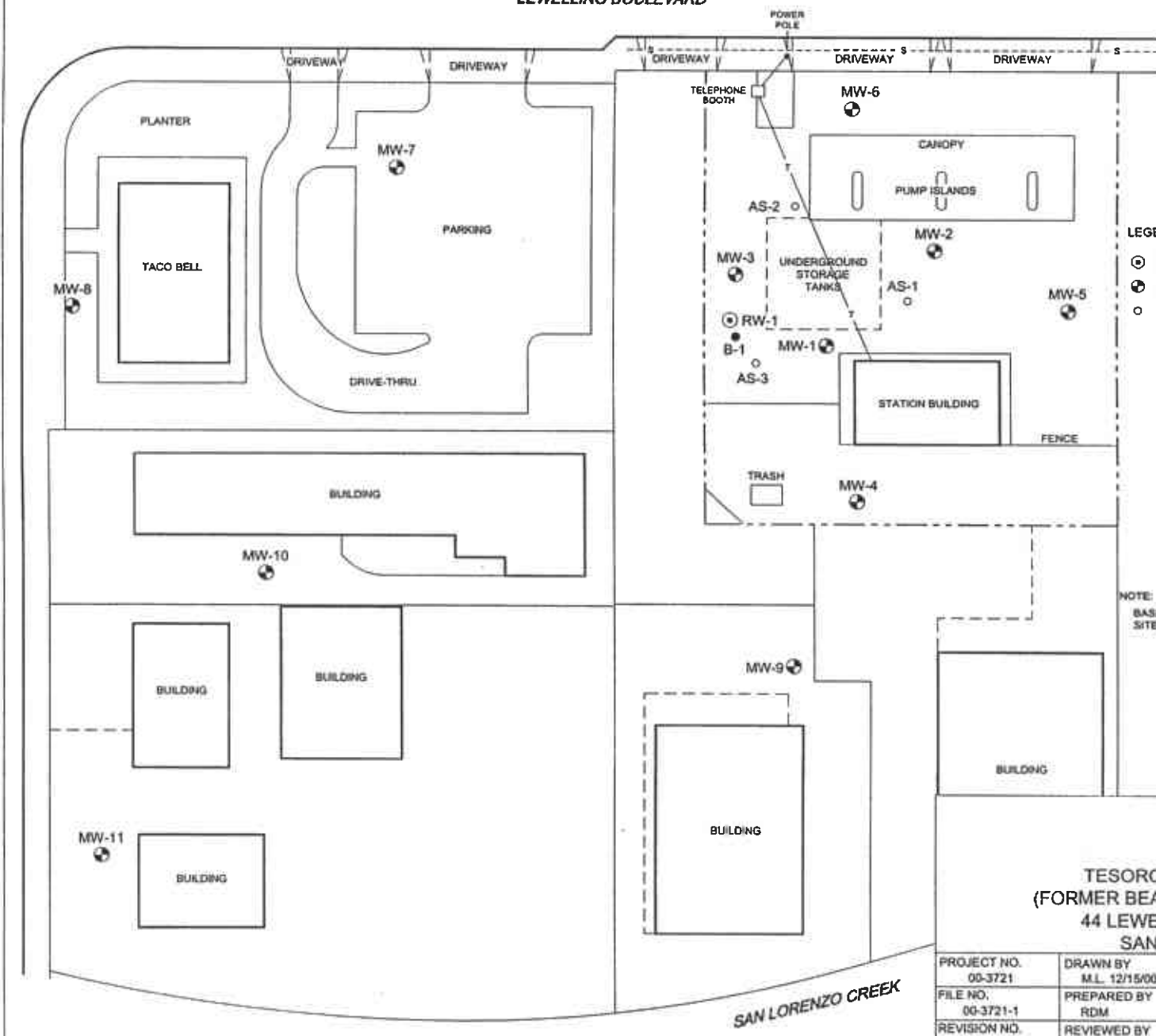
**FIGURE 1**  
**SITE LOCATION MAP**  
 TESORO STATION NO. 67107  
 (FORMER BEACON STATION NO. 3721)  
 44 LEWELLING BOULEVARD  
 SAN LORENZO, CA.

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



**Environmental**

LEWELLING BOULEVARD



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

**UTILITIES**

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

**NOTE:**  
 BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/8/92  
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED



**FIGURE 2  
 SITE MAP**

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

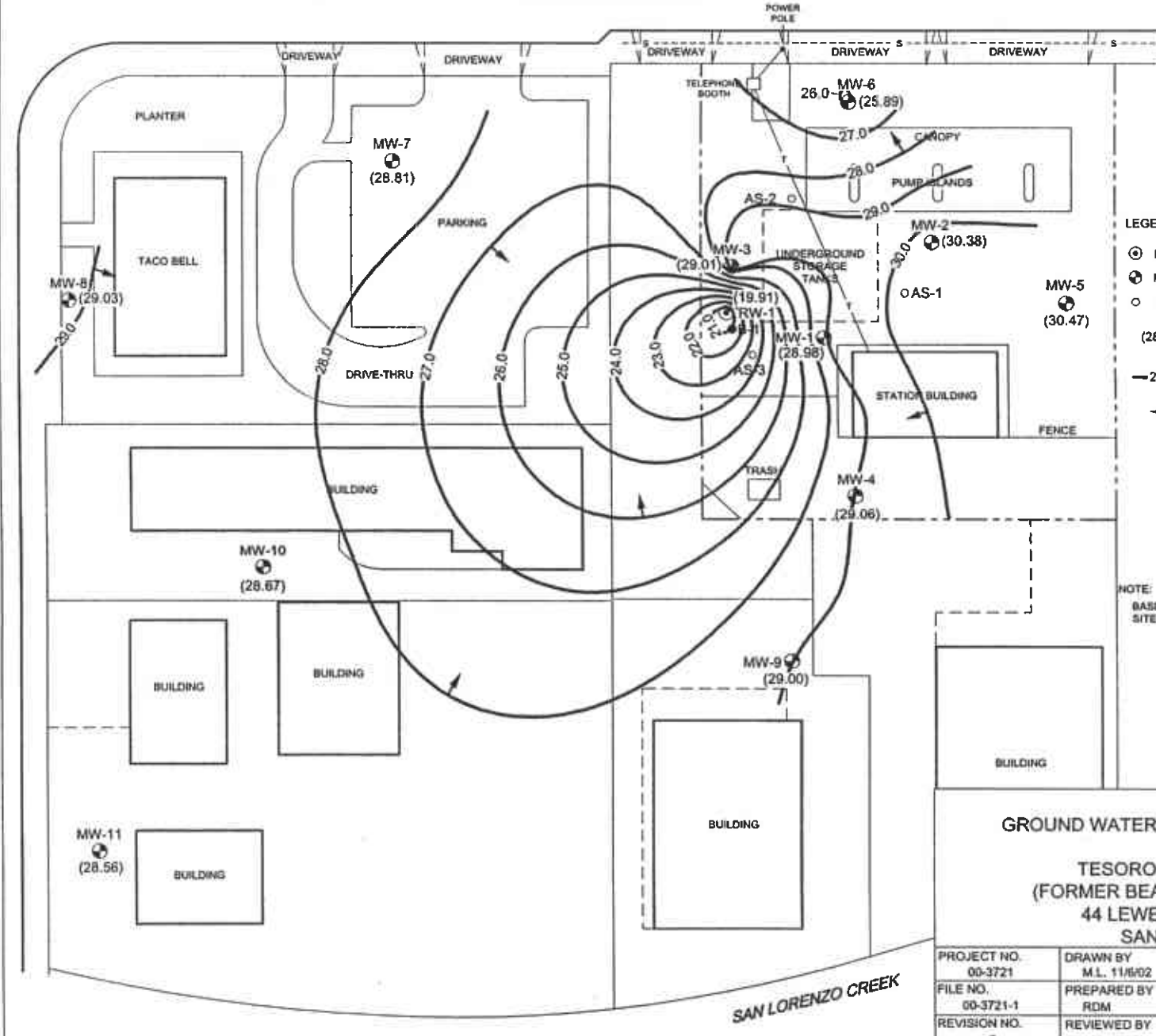
PROJECT NO. 00-3721	DRAWN BY M.L. 12/15/00
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK



LEWELLING BOULEVARD



LEGEND:

- ⊙ RW-1 RECOVERY WELL LOCATION
- ⊗ MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- (28.98) GROUND WATER ELEVATION RELATIVE TO MEAN SEA LEVEL
- 27.0- WATER TABLE CONTOUR RELATIVE TO MEAN SEA LEVEL
- ← GROUND WATER FLOW DIRECTION

UTILITIES

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

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/9/02  
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

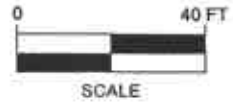


FIGURE 3  
GROUND WATER ELEVATION CONTOUR MAP  
8/6/02

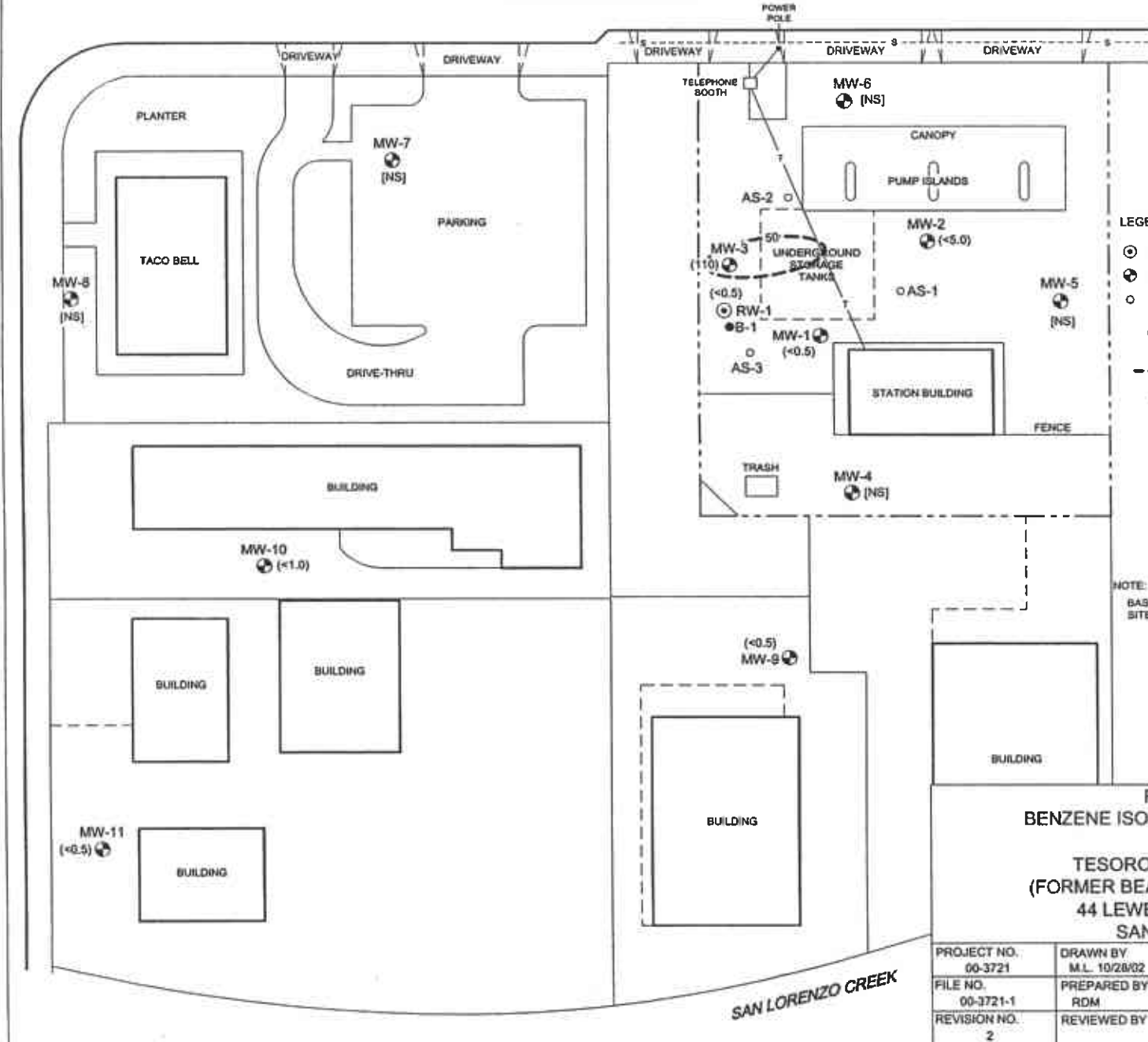
TESORO STATION NO. 67107  
(FORMER BEACON STATION NO. 3721)  
44 LEWELLING BOULEVARD  
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 11/6/02
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY



SAN LORENZO CREEK

LEWELLING BOULEVARD



LEGEND:

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

UTILITIES

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

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/8/82  
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

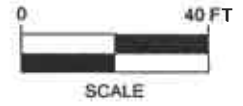
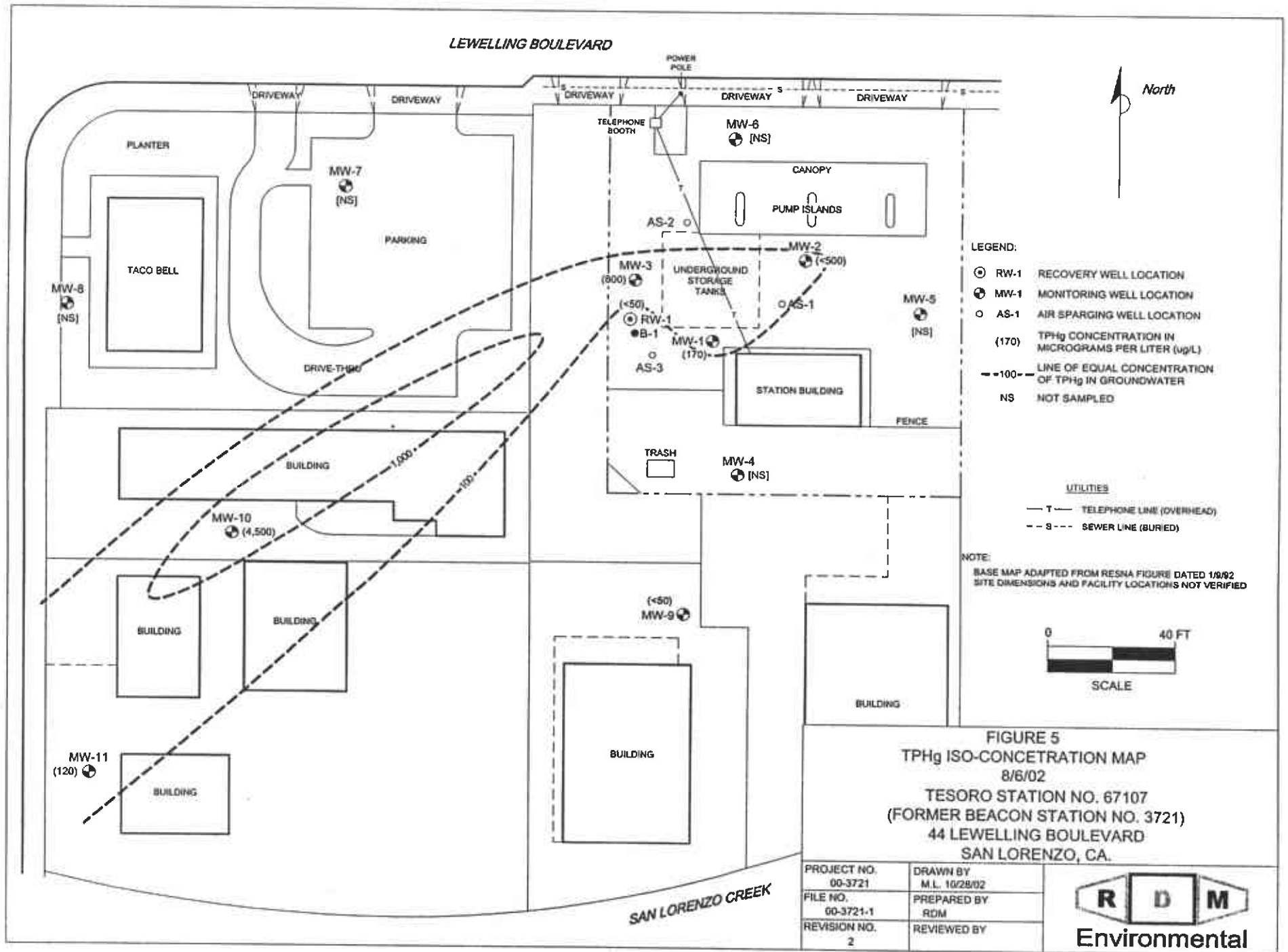


FIGURE 4  
BENZENE ISO-CONCENTRATION MAP  
8/6/02  
TESORO STATION NO. 67107  
(FORMER BEACON STATION NO. 3721)  
44 LEWELLING BOULEVARD  
SAN LORENZO, CA.

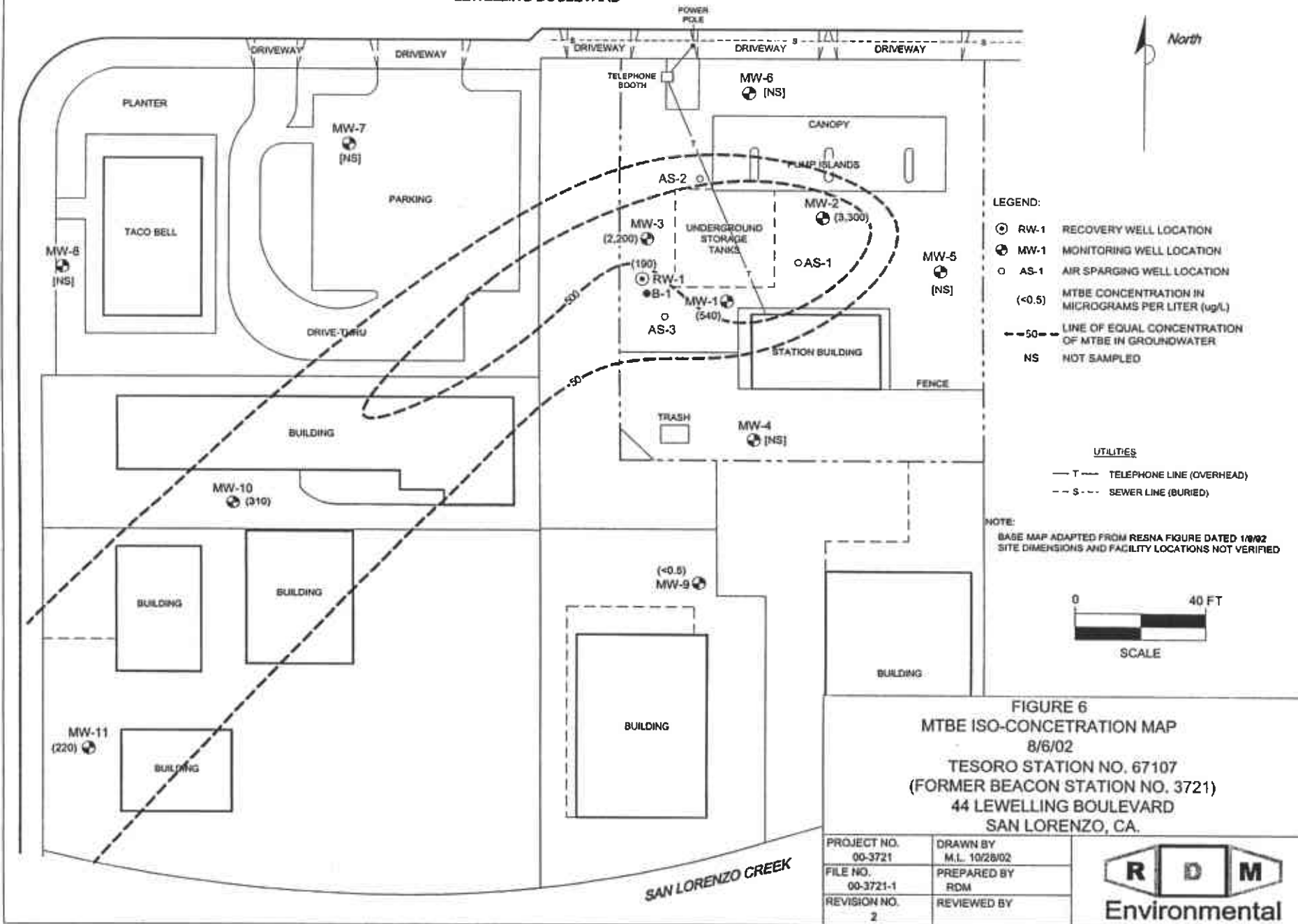
PROJECT NO. 00-3721	DRAWN BY M.L. 10/28/02
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY



SAN LORENZO CREEK



LEWELLING BOULEVARD



LEGEND:

- ⊙ RW-1 RECOVERY WELL LOCATION
- ⊗ MW-1 MONITORING WELL LOCATION
- AS-1 AIR SPARGING WELL LOCATION
- (<0.5) MTBE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- - - 50 - - - LINE OF EQUAL CONCENTRATION OF MTBE IN GROUNDWATER
- NS NOT SAMPLED

UTILITIES

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

NOTE:  
 BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/8/02  
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED

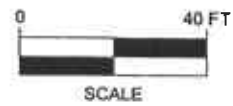
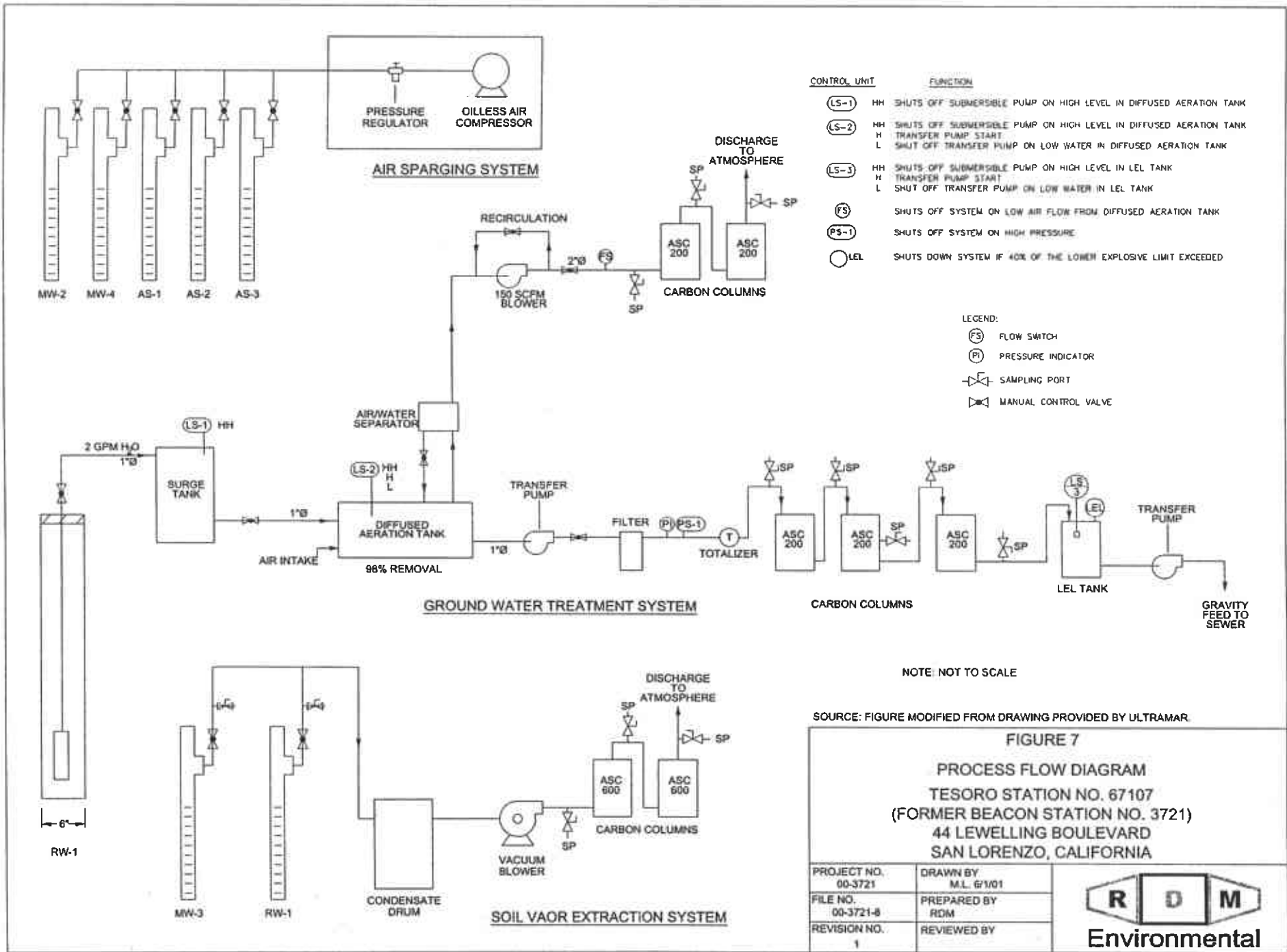


FIGURE 6  
 MTBE ISO-CONCENTRATION MAP  
 8/6/02  
 TESORO STATION NO. 67107  
 (FORMER BEACON STATION NO. 3721)  
 44 LEWELLING BOULEVARD  
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 10/28/02
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY





CONTROL UNIT	FUNCTION
(LS-1) HH	SHUTS OFF SUBMERSIBLE PUMP ON HIGH LEVEL IN DIFFUSED AERATION TANK
(LS-2) HH	SHUTS OFF SUBMERSIBLE PUMP ON HIGH LEVEL IN DIFFUSED AERATION TANK
(LS-2) H	TRANSFER PUMP START
(LS-2) L	SHUT OFF TRANSFER PUMP ON LOW WATER IN DIFFUSED AERATION TANK
(LS-3) HH	SHUTS OFF SUBMERSIBLE PUMP ON HIGH LEVEL IN LEL TANK
(LS-3) H	TRANSFER PUMP START
(LS-3) L	SHUT OFF TRANSFER PUMP ON LOW WATER IN LEL TANK
(FS)	SHUTS OFF SYSTEM ON LOW AIR FLOW FROM DIFFUSED AERATION TANK
(PS-1)	SHUTS OFF SYSTEM ON HIGH PRESSURE
(LEL)	SHUTS DOWN SYSTEM IF 40% OF THE LOWER EXPLOSIVE LIMIT EXCEEDED

LEGEND:

(FS)	FLOW SWITCH
(PI)	PRESSURE INDICATOR
(SP)	SAMPLING PORT
(MV)	MANUAL CONTROL VALVE

NOTE: NOT TO SCALE

SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY ULTRAMAR.

**FIGURE 7**

**PROCESS FLOW DIAGRAM**

**TESORO STATION NO. 67107**

**(FORMER BEACON STATION NO. 3721)**

**44 LEWELLING BOULEVARD**

**SAN LORENZO, CALIFORNIA**

PROJECT NO. 00-3721	DRAWN BY M.L. G/1/01
FILE NO. 00-3721-8	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

**Environmental**

## HISTORICAL BACKGROUND INFORMATION

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

- April 1987 - Three underground gasoline storage tanks were excavated and removed. Samples collected from beneath the former tanks indicated that hydrocarbons were present in the soil.
- May 1987 - Conoco installed three monitoring wells (MW-1 through MW-3). Hydrocarbons were detected in soil and ground-water samples collected from the wells. The site has been on a monitoring program since May 1987.
- December 1988 - Four additional wells (MW-4 through MW-7) were installed. Dissolved-phase hydrocarbons were detected in the new wells.
- September 1989 - Two additional wells (MW-8 and MW-9) were installed.
- July 1990 - Ultramar Inc purchased the site from Conoco.
- March 14, 1991 - Work Plan for additional assessment submitted.
- October 1991 - Drilled two additional offsite wells (MW-10 and MW-11) southwest of the site and one onsite recovery well (RW-1).
- November 1991 - Performed ground-water pump test and vapor extraction test.
- April 1992 - Ultramar submitted an Interim Remediation Plan.
- June 1992 - Interim Remediation Plan was approved.
- March 1993 - Installed the subsurface piping for the remediation system.
- April 1993 - Completed installation of ground-water remediation system.
- June 1993 - Began operation.
- April 1993 - The ground-water extraction system began operation.
- March 1994 - The vapor extraction system began operation.
- June 8, 1994 - Obtained the Permit to Operate for the vapor extraction system.
- December 1995 - Installed an air sparging system.
- January 1997 - Discontinued to operate the remediation system. Approximately 1,184,392 gallons of ground water have been removed, treated, and discharged. Approximately 103 gallons of hydrocarbons have been removed by the vapor extraction system.

**CONTINUED NEXT PAGE**

## HISTORICAL BACKGROUND INFORMATION

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

- October 1997 - Drilled confirmation borings. Results indicate soil clean.
- June 1998 - The air sparging system was restarted.
- July 1999 - The ground water system was restarted.
- April 3, 2000 – The soil vapor extraction system was restarted.
- During early July 2001, the station piping, dispensers, and tank top were upgraded. Details of the line sampling and over-excavation activities are included in the Doulos report entitled *Product Line and Excavation Sampling Results Report*, dated October 1, 2001.
- On May 17, 2002, Tesoro Petroleum purchased the facility from Ultramar Inc.

**ENCLOSURE B**

Ground Water Sampling Information



DOULOS ENVIRONMENTAL, INC.  
GROUNDWATER/LIQUID LEVEL DATA  
(measurements in feet)

Project Address: 44 Lewelling Blvd.

Date: 8-6-09

San Lorenzo

Project No.: 67107

Recorded by: \_\_\_\_\_

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW-1	1:18		17.00	33.64				
MW-2	1:21		14.85	34.35				
MW-3	1:10		16.20	34.23				
MW-4	12:59		17.92	24.45				
MW-5	1:06		15.65	29.30				
MW-6	1:04		18.90	28.43				
MW-7	12:51		15.04	24.17				
MW-8	12:48		15.82	22.99				
MW-9	12:56		18.26	23.57				
MW-10	12:45		15.98	29.40				
MW-11	12:40		18.80	29.34				
RW-1	1:14		25.56	34.10				

Notes:

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.: \_\_\_\_\_

San Lorenzo, Ca.

Well Designation: MW-1

Is setup of traffic control devices required?  NO  YES

Is there standing water in the well box?  NO  YES

Is top of casing cut level?  NO  YES

Is well cap sealed and locked?  NO  YES

Height of well casing riser (in inches): 10

Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_

12" Christy \_\_\_\_\_ 8" M&D \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_

12" CNI  36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_

General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

time: \_\_\_\_\_ hours  
Above TOC \_\_\_\_\_ Below TOC  
If no, see remarks  
If no, see remarks

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump

Sampled with: Disposable bailer  Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 1:18  
 Depth of well: 33.64  
 Depth to water: 17.00

Recharge Measurement

Time: 2:50 Calculated purge: 10.6  
 Depth to water: 18.06 Actual purge: 10.6

Start purge: 2:36 Sampling time: 2:52

Time	Temperature	E.C.	pH	Turbidity	Volume
2:37	72.5	670	7.15		1
2:38	73.1	645	7.12		2
2:39	73.0	610	7.09		3
2:40	73.4	606	7.06		4

Sample appearance: clear Lock: 3753

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: MW-2

Is setup of traffic control devices required?  NO YES  
Is there standing water in the well box?  NO YES  
Is top of casing cut level?  NO YES  
Is well cap sealed and locked?  NO YES

time: \_\_\_\_\_ hours  
Above TOC Below TOC  
If no, see remarks  
If no, see remarks

Height of well casing riser (in inches): 4  
Well cover type: 8" or 12" UV 12" EMCO 8" or 12" BK 8" Christy  
12" Christy 8" M&D 12" M&D 12" DWP  
12" CNI  36" CNI 12" Pomeco Other:  
General condition of wellhead assembly: Excellent  Good  Fair  Poor

Purging Equipment: 2" disposable bailer Submersible pump  
2" PVC bailer Dedicated bailer  
4" PVC bailer  Centrifugal pump

Sampled with: Disposable bailer  Teflon bailer Disposable Tubing

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

Initial Measurement Time: 1:21 Recharge Measurement Time: 3:22  
Depth of well: 34.35 Depth to water: 15.61 Calculated purge: 12.4  
Depth to water: 14.85 Actual purge: 12.4

Start purge: 3:10 Sampling time: 3:24

Time	Temperature	E.C.	pH	Turbidity	Volume
3:11	73.7	431	7.30		1
3:12	73.5	416	7.16		2
3:13	73.6	410	7.12		3
3:14	73.9	409	7.09		4

Sample appearance: clear Lock: 3753

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
2" Locking Cap: Lock: 7/32 Allenhead:  
4" Locking Cap: Lock-Dolphin: 9/16 Bolt:  
6" Locking Cap: Pinned Allenhead (DWP):

Remarks:

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: MW-3

Is setup of traffic control devices required?  NO YES time: \_\_\_\_\_ hours  
 Is there standing water in the well box?  NO YES Above TOC Below TOC  
 Is top of casing cut level? NO  YES If no, see remarks  
 Is well cap sealed and locked? NO  YES If no, see remarks  
 Height of well casing riser (in inches): 10  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI  36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump   
 Sampled with: Disposable bailer  Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Recharge Measurement  
 Time: 1:10 Time: 2:23 Calculated purge: 11.5  
 Depth of well: 34.23 Depth to water: 17.56 Actual purge: 11.5  
 Depth to water: 16.20

Start purge: 2:15 Sampling time: 2:25

Time	Temperature	E.C.	pH	Turbidity	Volume
2:16	72.8	711	7.35		1
2:17	73.0	705	7.24		2
2:18	73.1	696	7.20		3
2:19	73.5	691	7.17		4

Sample appearance: Clear Lock: 3753

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.: \_\_\_\_\_

San Lorenzo, Ca.

Well Designation: MW-9

Is setup of traffic control devices required?  NO  YES

time: \_\_\_\_\_ hours

Is there standing water in the well box?  NO  YES

Above TOC Below TOC

Is top of casing cut level?  NO  YES

If no, see remarks

Is well cap sealed and locked?  NO  YES

If no, see remarks

Height of well casing riser (in inches): 4

Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_

12" Christy \_\_\_\_\_ 8" M&D \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP

12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_

General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump

\_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer

\_\_\_\_\_ 4" PVC bailer  Centrifugal pump

Sampled with: Disposable bailer  Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 12:56  
 Depth of well: 23.57  
 Depth to water: 18.26

Recharge Measurement

Time: 2:01 Calculated purge: 3.4  
 Depth to water: 19.41 Actual purge: 3.4

Start purge: 1:50 Sampling time: 2:03

Time	Temperature	E.C.	pH	Turbidity	Volume
1:51	72.4	961	7.34		1
1:52	72.6	954	7.26		2
1:53	73.1	946	7.20		3
1:54	73.5	940	7.18		4

Sample appearance: clear

Lock: Dolphin

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: \_\_\_\_\_

Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_

4" Locking Cap: \_\_\_\_\_

Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_

6" Locking Cap: \_\_\_\_\_

Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: MW-10

Is setup of traffic control devices required?  NO YES time: \_\_\_\_\_ hours  
 Is there standing water in the well box?  NO YES Above TOC Below TOC  
 Is top of casing cut level?  NO YES If no, see remarks  
 Is well cap sealed and locked?  NO YES If no, see remarks  
 Height of well casing riser (in inches): 10  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK  8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer  Centrifugal pump  
 Sampled with: Disposable bailer  Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.  
Initial Measurement Recharge Measurement  
 Time: 12:45 Time: 1:40 Calculated purge: 8.5  
 Depth of well: 29.40 Depth to water: 16.84 Actual purge: 8.5  
 Depth to water: 15.98

Start purge: 1:30 Sampling time: 1:43

Time	Temperature	E.C.	pH	Turbidity	Volume
1:31	72.6	1071	7.31		1
1:32	72.7	1060	7.26		2
1:33	73.0	1054	7.20		3
1:34	73.2	1041	7.16		4

Sample appearance: Clear Lock: [Signature]

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Client: Tesoro 67107

Sampling Date: 8-6-02

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: RW-1

Is setup of traffic control devices required?  NO YES time: \_\_\_\_\_ hours  
 Is there standing water in the well box?  NO YES Above TOC Below TOC  
 Is top of casing cut level?  NO YES If no, see remarks  
 Is well cap sealed and locked?  NO YES If no, see remarks  
 Height of well casing riser (in inches): 4  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK  8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer  Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump  
 Sampled with: Disposable bailer  Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

Well Diameter: 2" \_\_\_\_\_ 4" \_\_\_\_\_ 6"  8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Time: 1:14 Recharge Measurement Time: NA  
 Depth of well: 34.10 Depth to water: NA Calculated purge: \_\_\_\_\_  
 Depth to water: 25.56 Actual purge: NA

Start purge: NA Sampling time: 3:05

Time	Temperature	E.C.	pH	Turbidity	Volume

Sample appearance: Clear Lock: NA

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

**ENCLOSURE C**

Ground Water Monitoring  
Analytical Results





Report Number : 27968

Date : 8/20/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 6 Water Samples  
Project Name : Tesoro  
Project Number : 67107 San Lorenzo  
P.O. Number : AFE 023139623

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



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-1

Matrix : Water

Lab Number : 27968-01

Sample Date : 8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Methyl-t-butyl ether (MTBE)	540	1.0	ug/L	EPA 8260B	8/17/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Tert-Butanol	20	5.0	ug/L	EPA 8260B	8/16/02
TPH as Gasoline	170	50	ug/L	EPA 8260B	8/16/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	8/16/02
4-Bromofluorobenzene (Surr)	92.9		% Recovery	EPA 8260B	8/16/02

Approved By:  Joel Kiff



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-2

Matrix : Water

Lab Number : 27968-02

Sample Date : 8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Toluene	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Ethylbenzene	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Total Xylenes	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Methyl-t-butyl ether (MTBE)	3300	5.0	ug/L	EPA 8260B	8/17/02
Diisopropyl ether (DIPE)	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Ethyl-t-butyl ether (ETBE)	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Tert-amyl methyl ether (TAME)	< 5.0	5.0	ug/L	EPA 8260B	8/17/02
Tert-Butanol	110	50	ug/L	EPA 8260B	8/17/02
TPH as Gasoline	< 500	500	ug/L	EPA 8260B	8/17/02
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	8/17/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	8/17/02

Approved By:  Joel Kiff



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-3

Matrix : Water

Lab Number : 27968-03

Sample Date :8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	110	5.0	ug/L	EPA 8260B	8/16/02
Toluene	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Ethylbenzene	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Total Xylenes	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Methyl-t-butyl ether (MTBE)	2200	5.0	ug/L	EPA 8260B	8/16/02
Diisopropyl ether (DIPE)	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Ethyl-t-butyl ether (ETBE)	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Tert-amyl methyl ether (TAME)	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
Tert-Butanol	170	50	ug/L	EPA 8260B	8/16/02
TPH as Gasoline	800	500	ug/L	EPA 8260B	8/16/02
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	8/16/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	8/16/02

Approved By:  Joel Kiff



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-9

Matrix : Water

Lab Number : 27968-04

Sample Date :8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/19/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/16/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/16/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/16/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	8/16/02
4-Bromofluorobenzene (Surr)	92.2		% Recovery	EPA 8260B	8/16/02

Approved By:  Joel Kiff



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-10

Matrix : Water

Lab Number : 27968-05

Sample Date :8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.0	1.0	ug/L	EPA 8260B	8/17/02
Toluene	5.4	1.0	ug/L	EPA 8260B	8/17/02
Ethylbenzene	18	1.0	ug/L	EPA 8260B	8/17/02
Total Xylenes	18	1.0	ug/L	EPA 8260B	8/17/02
Methyl-t-butyl ether (MTBE)	310	1.0	ug/L	EPA 8260B	8/17/02
Diisopropyl ether (DIPE)	< 1.0	1.0	ug/L	EPA 8260B	8/17/02
Ethyl-t-butyl ether (ETBE)	< 1.0	1.0	ug/L	EPA 8260B	8/17/02
Tert-amyl methyl ether (TAME)	< 1.0	1.0	ug/L	EPA 8260B	8/17/02
Tert-Butanol	18	10	ug/L	EPA 8260B	8/17/02
TPH as Gasoline	4500	100	ug/L	EPA 8260B	8/17/02
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	8/17/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	8/17/02

Approved By:  Joel Kiff



Report Number : 27968

Date : 8/20/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : RW-1

Matrix : Water

Lab Number : 27968-06

Sample Date :8/6/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Methyl-t-butyl ether (MTBE)	190	0.50	ug/L	EPA 8260B	8/15/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Tert-Butanol	6.0	5.0	ug/L	EPA 8260B	8/15/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/15/02
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	8/15/02
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	8/15/02

Approved By:  Joel Kiff

QC Report : Method Blank Data

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Report Number : 27968

Date : 8/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/14/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/14/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/14/02
Toluene - d8 (Surr)	99.0		%	EPA 8260B	8/14/02
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	8/14/02
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	8/15/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	8/15/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/15/02
Toluene - d8 (Surr)	96.0		%	EPA 8260B	8/15/02
4-Bromofluorobenzene (Surr)	99.5		%	EPA 8260B	8/15/02

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

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff





Report Number : 27968

Date : 8/20/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

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	27999-02	<0.50	19.9	19.8	20.9	21.1	ug/L	EPA 8260B	8/14/02	105	106	1.06	70-130	25
Toluene	27999-02	0.89	19.9	19.8	21.0	21.0	ug/L	EPA 8260B	8/14/02	101	102	0.868	70-130	25
Tert-Butanol	27999-02	<5.0	99.6	99.1	109	107	ug/L	EPA 8260B	8/14/02	109	108	1.16	70-130	25
Methyl-t-Butyl Ether	27999-02	<0.50	19.9	19.8	20.9	21.2	ug/L	EPA 8260B	8/14/02	105	107	2.00	70-130	25
Benzene	27970-09	<0.50	40.0	40.0	43.3	41.8	ug/L	EPA 8260B	8/15/02	108	104	3.62	70-130	25
Toluene	27970-09	<0.50	40.0	40.0	38.7	38.2	ug/L	EPA 8260B	8/15/02	96.8	95.5	1.27	70-130	25
Tert-Butanol	27970-09	<5.0	200	200	194	194	ug/L	EPA 8260B	8/15/02	96.8	96.9	0.0878	70-130	25
Methyl-t-Butyl Ether	27970-09	65	40.0	40.0	107	104	ug/L	EPA 8260B	8/15/02	105	97.5	7.60	70-130	25

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 27968

Date : 8/20/02

Project Name : **Tesoro**


Project Number : **67107 San Lorenzo**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	20.0	ug/L	EPA 8260B	8/14/02	105	70-130
Toluene	20.0	ug/L	EPA 8260B	8/14/02	101	70-130
Tert-Butanol	100	ug/L	EPA 8260B	8/14/02	103	70-130
Methyl-t-Butyl Ether	20.0	ug/L	EPA 8260B	8/14/02	107	70-130
Benzene	40.0	ug/L	EPA 8260B	8/15/02	101	70-130
Toluene	40.0	ug/L	EPA 8260B	8/15/02	94.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/15/02	91.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/15/02	96.7	70-130

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff

Project Contact (Hardcopy or PDF to):  
 Richard Munsch

Company/Address:  
 RDM

Phone No.: 771-7090      FAX No.: 771-4584

Project Number: 67107 San Lorenzo      P.O. No.: AFE 023139623

Project Name: Tesoro

Sampler Signature (below):  
*Edgar Alvarez*

EDF Report?  Yes  No

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: **DEIO**

Global ID: **T0600101414**

EDF Deliverable to (Email Address):  
 rmunsch@rcsis.com

Project Address:  
 San Lorenzo

## Chain-of-Custody Record and Analysis Request

Analysis Request												TAT		
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 (7421239.2) TOTAL (X) W.E.T. (X)	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
					X								X	-01
														-02
														-03
														-04
														-05
														-06

Relinquished by: <i>[Signature]</i>	Date	Time	Received by:	Remarks:
Relinquished by: <i>[Signature]</i>	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by Laboratory:	

080902 1805 *Osama Albahrani* / *KIFF Analyst* Bill to: **Rob Donovan**

**ENCLOSURE D**

Remediation System Analytical Results



Report Number : 27655

Date : 7/30/2002

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Water Samples  
Project Name : Former Beacon 3721  
Project Number : 67107  
P.O. Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 27655

Date : 7/30/2002

Project Name : Former Beacon 3721

Project Number : 67107

Sample : H2O-Inf

Matrix : Water

Lab Number : 27655-01

Sample Date : 7/23/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	85	0.50	ug/L	EPA 8260B	7/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Total Xylenes	7.3	0.50	ug/L	EPA 8260B	7/26/2002
Methyl-t-butyl ether (MTBE)	520	10	ug/L	EPA 8260B	7/26/2002
TPH as Gasoline	220	50	ug/L	EPA 8260B	7/26/2002
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	7/26/2002
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	7/26/2002

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 27655-02

Sample Date : 7/23/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/26/2002
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	7/26/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	7/26/2002

Approved By:  Joel Kiff



Report Number : 27655

Date : 7/30/2002

Project Name : Former Beacon 3721

Project Number : 67107

Sample : H2O-MID2

Matrix : Water

Lab Number : 27655-03

Sample Date :7/23/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/26/2002
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	7/26/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	7/26/2002

Sample : H2O-Eff

Matrix : Water

Lab Number : 27655-04

Sample Date :7/23/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/26/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/26/2002
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	7/26/2002
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	7/26/2002

Approved By:  Joel Kiff

Report Number : 27655

Date : 7/30/2002

**QC Report : Method Blank Data**

Project Name : **Former Beacon 3721**

Project Number : **67107**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/25/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/25/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/25/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/25/2002
Toluene - d8 (Surr)	102		%	EPA 8260B	7/25/2002
4-Bromofluorobenzene (Surr)	99.2		%	EPA 8260B	7/25/2002

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

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff





QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 27655

Date : 7/30/2002

Project Name : **Former Beacon 3721**

Project Number : **67107**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	27607-02	<0.50	40.0	40.0	39.1	38.0	ug/L	EPA 8260B	7/25/02	97.8	95.1	2.88	70-130	25
Toluene	27607-02	<0.50	40.0	40.0	39.8	38.4	ug/L	EPA 8260B	7/25/02	99.4	96.1	3.38	70-130	25
Tert-Butanol	27607-02	<5.0	200	200	193	191	ug/L	EPA 8260B	7/25/02	96.5	95.5	1.10	70-130	25
Methyl-t-Butyl Ether	27607-02	5.2	40.0	40.0	44.1	43.6	ug/L	EPA 8260B	7/25/02	97.3	95.9	1.42	70-130	25

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 27655

Date : 7/30/2002

Project Name : **Former Beacon 3721**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	7/25/02	97.8	70-130
Toluene	40.0	ug/L	EPA 8260B	7/25/02	99.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/25/02	95.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/25/02	96.3	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

**Calscience**  
**E**nvironmental  
**L**aboratories, Inc.

July 31, 2002

Joel Kiff  
Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Subject: **Calscience Work Order No.: 02-07-1106**  
**Client Reference: Former Beacon 3721**

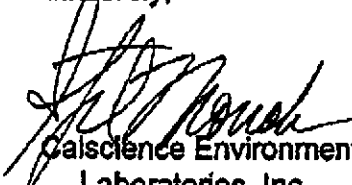
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/26/2002 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

  
Calscience Environmental  
Laboratories, Inc.  
Stephen Nowak  
Project Manager

  
Michael J. Cristostomo  
Quality Assurance Manager



**ANALYTICAL REPORT**

Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 07/26/02  
Work Order No: 02-07-1106  
Preparation: N/A  
Method: EPA 410.4

Project: Former Beacon 3721

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-18	02-07-1106-1	07/23/02	Aqueous	N/A	07/30/02	207300081

Parameter	Result	RL	DF	Qual	Units	
Chemical Oxygen Demand	10	5	1		mg/L	
Method Blank		009-05-052-1-270		N/A	Aqueous	N/A

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	ND	5.0	1		mg/L

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

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



**ANALYTICAL REPORT**

Kiff Analytical  
 720 Olive Drive, Suite D1  
 Davis, CA 95616-4740

Date Received: 07/26/02  
 Work Order No: 02-07-1106  
 Preparation: N/A  
 Method: EPA 160.2

Project: Former Beacon 3721

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-Eff.	02-07-1106-1	07/23/02	Aqueous	N/A	07/29/02	2072978501

Parameter	Result	RL	DF	Qual	Units
Solids, Total Suspended	3.6	1.0	1		mg/L

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

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Quality Control - Duplicate

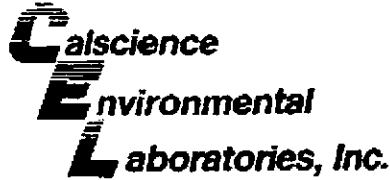
Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 7/26/2002  
Work Order No: 02-07-1106  
Preparation: N/A  
Method: EPA 410.4

Project: Former Beacon 3721

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-07-1106-2	Aqueous	UV-9	N/A	07/30/02	207300DD1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	250	260	2	0-25	



**Quality Control - Duplicate**

Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 7/26/2002  
Work Order No: 02-07-1106  
Preparation: N/A  
Method: EPA 160.2

Project: Former Beacon 3721

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-07-1084-1	Aqueous	NA	NA	07/26/02	207261084D1

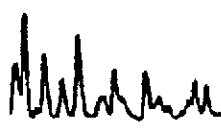
Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	4.0	4.0	18	0-25	

**C**alscience **GLOSSARY OF TERMS AND QUALIFIERS**  
**E**nvironmental  
**L**aboratories, Inc.

Work Order Number: 02-07-1106

---

<u>Qualifier</u>	<u>Definition</u>
ND	Not detected at indicated reporting limit.







720 Olive Drive, Suite D  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4803

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

Lab No. \_\_\_\_\_ Page 1 of 1

(1106)

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

Company/Address: Kiff Analytical, LLC Recommended but not mandatory to complete this section: Analysis Request Date due: \_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_ Global ID: \_\_\_\_\_

Project Number: 67107 P.O. No.: 27655 EDF Deliverable to (Email Address): \_\_\_\_\_

Project Name: Former Beacon 3721 E-mail address: inbox@kiffanalytical.com

Project Address: \_\_\_\_\_ Sampling Container Preservative Matrix

Sample Designation Date Time Glass Jar Poly Amber HCl HNO3 ICE NONE H2SO4 WATER SOIL TSS COD

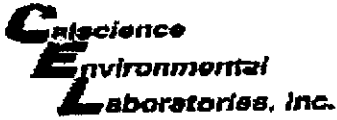
H2O-Eff 7/23/02 2:54 2 X 1 1 X X X X X

Sample Designation	Date	Time	Glass Jar	Poly	Amber	HCl	HNO3	ICE	NONE	H2SO4	WATER	SOIL	TSS	COD
H2O-Eff	7/23/02	2:54	2					X	1	1	X		X	X

Date due: July 31, 2002 For Lab Use Only

Relinquished by: <u>[Signature]</u> KIFF ANALYTICAL	Date: <u>072502</u>	Time: <u>1410</u>	Received by:	Remarks:
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date: <u>7/20/02</u>	Time: <u>1030</u>	Received by: <u>[Signature]</u>	

JUL-31-2002 14:26 CALSCIENCE 714 894 7501 P.07/08



WORK ORDER #: 02-07-1106

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KICC

DATE: 7/26/02

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than CalScience Courier):

- 4 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: [checked] No (Not Intact): Not Applicable (N/A): Initial: [Signature]

SAMPLE CONDITION:

Table with 3 columns: Yes, No, N/A. Rows include Chain-Of-Custody document(s) received with samples, Sample container label(s) consistent with custody papers, Sample container(s) intact and good condition, Correct containers for analyses requested, Proper preservation noted on sample label(s), VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.



720 Olive Drive, Suite D  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4803

Lab No. **27655**

Page 1 of 1

Project Contact (Hardcopy or PDF To):  
**Richard Munsch**

EDF Report?  Yes  No

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

Company/Address:  
**RDM Environmental**

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

**Analysis Request**

Phone No.: **(916) 771-7098** FAX No.: **(916) 771-4584**

Global ID: . . . . .

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

EDF Deliverable To (Email Address): . . . . .

Project Address:  
**44 Levelling Bld. San Lev.**

Sampler Signature: . . . . .

Project Name:  
**Former Beach 3721**

Sampling		Container			Preservative				Matrix		
Date	Time	40 ml VOA	SLEEVE	Other	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	

**Sample Designation**

Sample Designation	Date	Time	40 ml VOA	SLEEVE	Other	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL
H <sub>2</sub> O - Int	7/27/02	2:00	2			X	X			W	
H <sub>2</sub> O - DAT - Eff	7/27/02	2:59	2			X	X			W	
H <sub>2</sub> O - MIDZ	7/27/02	2:56	2			X	X			W	
H <sub>2</sub> O - EFF	7/27/02	2:54	2	2		X	X		1	W	

BTEX (8021B)	<b>X</b>																					
BTEX/TPH Gas/MTBE (8021B/M8015)	<b>X</b>																					
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 (7421239.2) TOTAL (X) W.E.T. (X)																						
TSS																						
CO <sub>2</sub>																						
12 hr/24 hr/48 hr/72 hr/1 wk																						

Relinquished by: **[Signature]**

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Remarks: **STAT**

Relinquished by: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_

Date: **072402** Time: **1709** Received by Laboratory: **[Signature]**

Bill to: **Tesoro Petroleum / [Signature]**



Report Number : 28167

Date : 9/3/2002

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 5 Water Samples  
Project Name : 67107  
Project Number : 67107  
P.O. Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large, looping initial "J".

Joel Kiff



Report Number : 28167

Date : 9/3/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-Inf

Matrix : Water

Lab Number : 28167-01

Sample Date :8/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/31/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/31/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/31/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/31/2002
Methyl-t-butyl ether (MTBE)	190	0.50	ug/L	EPA 8260B	8/31/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/31/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	8/31/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	8/31/2002

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 28167-02

Sample Date :8/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Methyl-t-butyl ether (MTBE)	29	0.50	ug/L	EPA 8260B	8/23/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/23/2002
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	8/23/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	8/23/2002

Approved By:  Joel Kiff



Report Number : 28167

Date : 9/3/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 28167-03

Sample Date :8/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/23/2002
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	8/23/2002
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	8/23/2002

Sample : H2O-MID2

Matrix : Water

Lab Number : 28167-04

Sample Date :8/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/23/2002
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	8/23/2002
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	8/23/2002

Approved By:  Joel Kiff



Report Number : 28167

Date : 9/3/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-Eff

Matrix : Water

Lab Number : 28167-05

Sample Date :8/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/23/2002
Methyl-t-butyl ether (MTBE)	4.8	0.50	ug/L	EPA 8260B	8/23/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/23/2002
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	8/23/2002
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	8/23/2002

Approved By:  Joel Kiff

Report Number : 28167

Date : 9/3/2002

**QC Report : Method Blank Data**

Project Name : **67107**

Project Number : **67107**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/26/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/26/2002
Toluene - d8 (Surr)	98.7		%	EPA 8260B	8/26/2002
4-Bromofluorobenzene (Surr)	95.1		%	EPA 8260B	8/26/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	8/22/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	8/22/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	8/22/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	8/22/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	8/22/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	8/22/2002
Toluene - d8 (Surr)	98.2		%	EPA 8260B	8/22/2002
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	8/22/2002

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

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff





QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 28167

Date : 9/3/2002

Project Name : 67107

Project Number : 67107

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	28121-02	88	79.0	78.7	181	175	ug/L	EPA 8260B	8/26/02	117	110	5.88	70-130	25
Toluene	28121-02	14	79.0	78.7	94.6	92.5	ug/L	EPA 8260B	8/26/02	102	100	2.24	70-130	25
Tert-Butanol	28121-02	7.0	395	394	410	412	ug/L	EPA 8260B	8/26/02	102	103	0.887	70-130	25
Methyl-t-Butyl Ether	28121-02	12	79.0	78.7	84.0	82.9	ug/L	EPA 8260B	8/26/02	90.5	89.5	1.12	70-130	25
Benzene	28081-03	<0.50	40.0	40.0	41.4	41.2	ug/L	EPA 8260B	8/22/02	103	103	0.557	70-130	25
Toluene	28081-03	<0.50	40.0	40.0	40.1	39.9	ug/L	EPA 8260B	8/22/02	100	99.8	0.450	70-130	25
Tert-Butanol	28081-03	400	200	200	650	656	ug/L	EPA 8260B	8/22/02	128	130	1.95	70-130	25
Methyl-t-Butyl Ether	28081-03	<0.50	40.0	40.0	39.8	39.8	ug/L	EPA 8260B	8/22/02	99.6	99.6	0.0251	70-130	25

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

Report Number : 28167

Date : 9/3/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 67107

Project Number : 67107

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	8/26/02	106	70-130
Toluene	40.0	ug/L	EPA 8260B	8/26/02	99.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/26/02	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/26/02	88.2	70-130
Benzene	40.0	ug/L	EPA 8260B	8/22/02	97.5	70-130
Toluene	40.0	ug/L	EPA 8260B	8/22/02	96.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/22/02	91.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	8/22/02	89.0	70-130

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff

**Calscience**  
**E**nvironmental  
**L**aboratories, Inc.

August 29, 2002

Joel Kiff  
Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Subject: **Calscience Work Order No.:** 02-08-1075  
**Client Reference:** 67107


Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/23/2002 and analyzed in accordance with the attached chain-of-custody.

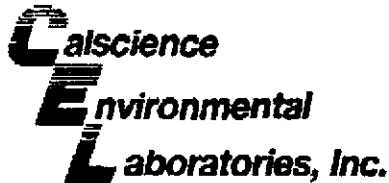
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows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

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

Sincerely,

  
Calscience Environmental  
Laboratories, Inc.  
Stephen Nowak  
Project Manager

  
\_\_\_\_\_  
Michael J. Grisostomo  
Quality Assurance Manager



## ANALYTICAL REPORT

Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 08/23/02  
Work Order No: 02-08-1075  
Preparation: N/A  
Method: EPA 410.4

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O Eff	02-08-1075-1	08/21/02	Aqueous	N/A	08/28/02	208280083

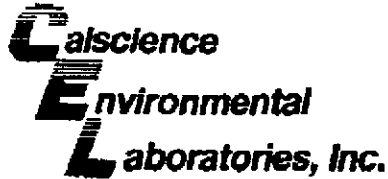
Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	5.1	5.0	1		mg/L

Method Blank	088-05-082-1,288	N/A	Aqueous	N/A	08/28/02	208280083
--------------	------------------	-----	---------	-----	----------	-----------

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	ND	5.0	1		mg/L

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

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



## ANALYTICAL REPORT

Kiff Analytical	Date Received:	08/23/02
720 Olive Drive, Suite D1	Work Order No:	02-08-1075
Davis, CA 95616-4740	Preparation:	N/A
	Method:	EPA 160.2

Project: 67107

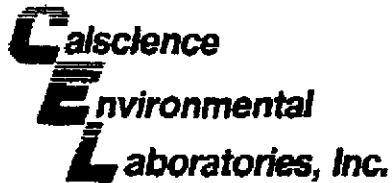
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O Eff	02-08-1075-1	08/21/02	Aqueous	N/A	08/23/02	20023TSSD1

Parameter	Result	RL	DF	Qual	Units
Solids, Total Suspended	ND	1.0	1		mg/L

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

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



## Quality Control - Duplicate

Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 8/23/2002  
Work Order No: 02-08-1075  
Preparation: N/A  
Method: EPA 410.4

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-08-1054-7	Aqueous	LIV 3	N/A	08/25/02	208260003

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	80	80	0	0-25	



**Quality Control - Duplicate**

Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 8/23/2002  
Work Order No: 02-08-1075  
Preparation: N/A  
Method: EPA 160.2

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-08-1031-6	Aqueous	NA	N/A	08/23/02	20823785D1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Solids, Total Suspended	44	43	2	0-25	



# GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-08-1075

---

<u>Qualifier</u>	<u>Definition</u>
ND	Not detected at indicated reporting limit.



1075



720 Olive Drive, Suite D  
Davis, CA 95616  
Lab: 530.297.4800  
Fax: 530.297.4803

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

Lab No. \_\_\_\_\_ Page 1 of 1

Project Contact (Hardcopy or PDF to):  
Joel Kiff

EDF Report?  Yes  No

Chain-of-Custody Record and Analysis Request

Company/Address:  
Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Analysis Request

Date due:

Phone No.:

FAX No.:

Global ID:

Project Number:  
67107

P.O. No.:  
28167

EDF Deliverable to (Email Address):

Project Name:  
67107

E-mail address:  
inbox@kiffanalytical.com

Project Address:

Sampling Container Preservative Matrix

Sample Designation

Date Time

Glass Jar Poly Amber HCl HNO3 ICE NONE H2SO4 WATER SOIL

Chemical Oxygen Demand

Total Suspended Solids

August 29, 2002

For Lab Use Only

H2O-Eff

8/21/02

1

X X X

X

X

H2O-Eff

8/21/02

1

X X X

X

X

Relinquished by: *Russ A. Rojas / KIFF ANALYTICAL*

Date Time  
082202 1910

Received by:

Remarks: Return Shipped Coolers

Relinquished by:

Date Time

Received by:

Relinquished by:

Date Time  
082302 1000

Received by Laboratory: *Handwritten Signature*

Bill to:



WORK ORDER #: 02-08-1079

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 082302

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

- 2 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

Sample(s): Cooler: [checked] No (Not Intact): Not Applicable (N/A): Initial: NC

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include: Chain-Of-Custody document(s) received with samples, Sample container label(s) consistent with custody papers, Sample container(s) intact and good condition, Correct containers for analyses requested, Proper preservation noted on sample label(s), N/A vial(s) free of headspace, Sealed bag(s) free of condensation.

Initial: NC

COMMENTS:

Blank lines for handwritten comments.



720 Olive Drive, Suite D  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 28167 Page 1 of 1

Project Contact (Hardcopy or PDF To):  
 RRM Richard Mursch

California EDF Report?  Yes  No

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

Company/Address:  
 RRM Environmental

Recommended but not mandatory to complete this section:  
 Sampling Company Log Code:

Phone No.: (916) 771-7098  
 FAX No.: (916) 771-4584

Global ID:

Project Number: 67107  
 P.O. No: 67107

EDF Deliverable To (Email Address):

Project Name:  
 67107

Sampler Signature:

Project Address:  
 44 Lewelling Blvd.  
 San Lorenzo

Sampling	Container	Preservative				Matrix		
		HCl	HNO <sub>3</sub>	ICE	NONE	H <sub>2</sub> O	WATER	SOIL

Sample Designation

Date	Time	40 ml VOA	SLEEVE	PAPER
------	------	-----------	--------	-------

H <sub>2</sub> O - Inf	8/24/02	7:20	2			X	X	X	X																				
H <sub>2</sub> O - DAT - Eff	8/24/02	7:28	2																										
H <sub>2</sub> O - MID1	8/24/02	7:26	2																										
H <sub>2</sub> O - MID2	8/24/02	7:24	2																										
H <sub>2</sub> O - Eff	8/24/02	7:24	2	2					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
				X										
														12 hr/24 hr/48 hr/72 hr/1 wk
														For Lab Use Only

Relinquished by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Remarks: STAT

Relinquished by:

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_

Relinquished by:

Date: 08/22/02 Time: 4:20 Received by Laboratory: Haley Brown KIFF

Bill to: Texoro Petroleum Mr. Rob Donovano



Report Number : 28816

Date : 10/1/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 5 Water Samples  
Project Name : 67107  
Project Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large initial "J".

Joel Kiff



Report Number : 28816

Date : 10/1/02

Project Name : 67107

Project Number : 67107

Sample : H2O-INF

Matrix : Water

Lab Number : 28816-01

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	6.5	0.50	ug/L	EPA 8260B	9/26/02
Toluene	0.53	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	1.2	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	2.5	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	230	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	111		% Recovery	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	88.0		% Recovery	EPA 8260B	9/26/02

Sample : H2O-DAT-EFF

Matrix : Water

Lab Number : 28816-02

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	88.1		% Recovery	EPA 8260B	9/26/02

Approved By:  Joel Kiff



Report Number : 28816

Date : 10/1/02

Project Name : 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 28816-03

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	87.9		% Recovery	EPA 8260B	9/26/02

Sample : H2O-MID2

Matrix : Water

Lab Number : 28816-04

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	9/26/02

Approved By:  Joel Kiff



Report Number : 28816

Date : 10/1/02

Project Name : 67107

Project Number : 67107

Sample : H2O-EFF

Matrix : Water

Lab Number : 28816-05

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	9/26/02

Approved By:  Joel Kiff

Report Number : 28816

Date : 10/1/02

**QC Report : Method Blank Data**

Project Name : **67107**

Project Number : **67107**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/26/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/26/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/26/02
Toluene - d8 (Surr)	107		%	EPA 8260B	9/26/02
4-Bromofluorobenzene (Surr)	89.6		%	EPA 8260B	9/26/02
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/25/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/25/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/25/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	9/25/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	9/25/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/25/02
Toluene - d8 (Surr)	101		%	EPA 8260B	9/25/02
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	9/25/02

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

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff





Report Number : 28816

Date : 10/1/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67107

Project Number : 67107

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	28740-03	<0.50	40.0	40.0	41.4	40.8	ug/L	EPA 8260B	9/26/02	103	102	1.29	70-130	25
Toluene	28740-03	<0.50	40.0	40.0	44.5	44.2	ug/L	EPA 8260B	9/26/02	111	110	0.700	70-130	25
Tert-Butanol	28740-03	<5.0	200	200	210	211	ug/L	EPA 8260B	9/26/02	105	106	0.632	70-130	25
Methyl-t-Butyl Ether	28740-03	<0.50	40.0	40.0	39.0	40.1	ug/L	EPA 8260B	9/26/02	97.4	100	2.93	70-130	25
Benzene	28815-07	<0.50	40.0	40.0	40.6	40.0	ug/L	EPA 8260B	9/25/02	101	100	1.39	70-130	25
Toluene	28815-07	<0.50	40.0	40.0	40.0	38.9	ug/L	EPA 8260B	9/25/02	100	97.2	2.82	70-130	25
Tert-Butanol	28815-07	<5.0	200	200	210	211	ug/L	EPA 8260B	9/25/02	105	105	0.523	70-130	25
Methyl-t-Butyl Ether	28815-07	<0.50	40.0	40.0	41.0	41.3	ug/L	EPA 8260B	9/25/02	102	103	0.656	70-130	25

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

Report Number : 28816

Date : 10/1/02

QC Report : Laboratory Control Sample (LCS)

Project Name : 67107

Project Number : 67107

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	9/26/02	99.0	70-130
Toluene	40.0	ug/L	EPA 8260B	9/26/02	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/26/02	98.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/26/02	83.8	70-130
Benzene	40.0	ug/L	EPA 8260B	9/25/02	98.9	70-130
Toluene	40.0	ug/L	EPA 8260B	9/25/02	96.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/25/02	105	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/25/02	97.8	70-130

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:   
Joel Kiff

**Calscience**  
**Environmental**  
**Laboratories, Inc.**

September 30, 2002

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

Subject: **Calscience Work Order No.:** 02-09-1163  
**Client Reference:** 67107

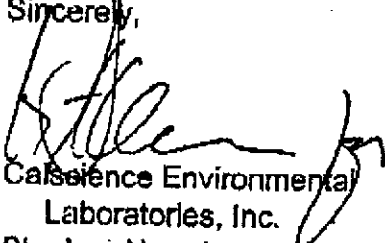
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 9/25/02 and analyzed in accordance with the attached chain-of-custody.

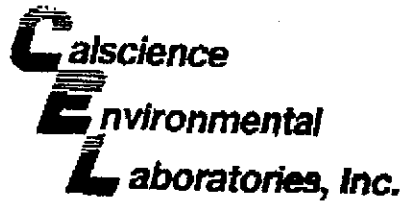
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows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

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

Sincerely,

  
Calscience Environmental  
Laboratories, Inc.  
Stephen Nowak  
Project Manager

  
Michael J. Crisostomo  
Quality Assurance Manager



**ANALYTICAL REPORT**

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

Date Received: 09/25/02  
 Work Order No: 02-09-1163  
 Preparation: N/A  
 Method: EPA 410.4

Project: 67107

Page 1 of 1

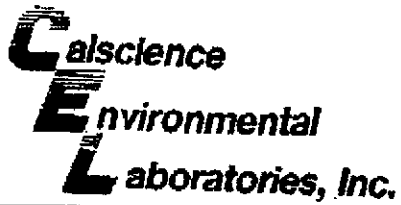
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
20-EFF	02-09-1163-1	09/23/02	AQUEOUS	N/A	09/27/02	20927CDB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	7.7	5.0	1		mg/L
Method Blank		099-05-082-1,300		N/A	AQUEOUS
					N/A
					09/27/02
					20927CDB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	ND	5.0	1		mg/L

RL - Reporting Limit    DP - Dilution Factor    Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



**ANALYTICAL REPORT**

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

Date Received: 09/25/02  
 Work Order No: 02-09-1163  
 Preparation: N/A  
 Method: EPA 160.2

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-EFF	02-09-1163-1	09/23/02	Aqueous	N/A	09/26/02	20928TSSB1

Parameter	Result	RL	DF	Qual	Units
Solids, Total Suspended	ND	1.0	1		mg/L

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Quality Control - Duplicate

Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95616-8593

Date Received: 9/25/02  
Work Order No: 02-09-1163  
Preparation: N/A  
Method: EPA 410.4

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-09-1139-1	Aqueous	UV 3	N/A	09/27/02	209270DD1

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	620	620	1	0-25	



**Quality Control - Duplicate**

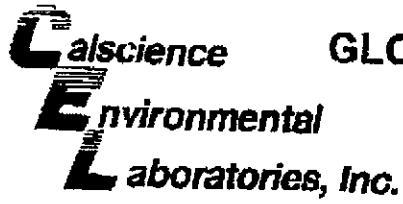
Kiff Analytical  
2795 2nd Street, Suite 300  
Davis, CA 95616-6593

Date Received: 9/25/02  
Work Order No: 02-09-1163  
Preparation: N/A  
Method: EPA 160.2

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-09-1163-1	Aqueous	NA	N/A	09/26/02	2002GTSSP1

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	160	170	6	0-25	



# GLOSSARY OF TERMS AND QUALIFIERS

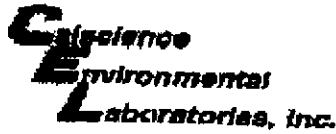
Work Order Number: 02-09-1163

---

<u>Qualifier</u>	<u>Definition</u>
ND	Not detected at indicated reporting limit.

A handwritten signature in black ink, appearing to be 'M. M. M.', is located at the bottom left of the page.





WORK ORDER #: 02-04-1163

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiff

DATE: 9/25/02

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): \_\_\_\_\_ Cooler:  No (Not Intact): \_\_\_\_\_ Not Applicable (N/A): \_\_\_\_\_

Initial: [Signature]

SAMPLE CONDITION:

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

Initial: [Signature]

COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1163



2795 Second Street, Suite 300  
Davis, CA 95616  
Lab: 530.297.4800  
Fax: 530.297.4803

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

Lab No. \_\_\_\_\_ Page 1 of 1

Project Contact (Hardcopy or PDF to):  
**Joel Kiff**

EDF Report?  Yes  No

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

Company/Address:  
**Kiff Analytical, LLC**

Recommended but not mandatory to complete this section:

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Sampling Company Log Code:

Project Number: **67107** P.O. No.: **28816**

Global ID:

Project Name: **67107**

EDF Deliverable to (Email Address):

E-mail address:

**inbox@kiffanalytical.com**

Project Address:

Sampling Container Preservative Matrix

Sample Designation

Date Time Glass Jar Poly Amber HCl HNO3 H2SO4 WATER SOIL

H2O-EFF

9/23/02 1042 2 X 1 1

Analysis Request										Date due:
										October 1, 2002
										For Lab Use Only

Relinquished by:	Date	Time	Received by:
<i>D.W. Thiff Analytical</i>	<i>09/23/02</i>	<i>1800</i>	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	<i>09/26/02</i>	<i>0800</i>	<i>[Signature]</i>

Remarks: **Return Shipped Coolers**  
Bill to:

TOTAL P.08

OCT-01-2002 10:33 CALSCIENCE 714 894 7501 P.09/08





Report Number : 28170

Date : 8/28/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Air Samples  
Project Name : 67107  
Project Number : 67107  
P.O. Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 28170

Date : 8/28/02

Project Name : 67107

Project Number : 67107

Sample : SVE-Inf

Matrix : Air

Lab Number : 28170-01

Sample Date :8/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	8/23/02
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	8/23/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	8/23/02

Sample : SVE-MID

Matrix : Air

Lab Number : 28170-02

Sample Date :8/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	8/23/02
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	8/23/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	8/23/02

Approved By:  Joel Kiff



Report Number : 28170

Date : 8/28/02

Project Name : 67107

Project Number : 67107

Sample : SVE-Eff

Matrix : Air

Lab Number : 28170-03

Sample Date :8/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	8/23/02
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	8/23/02
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	8/23/02

Sample : SVE-DAT

Matrix : Air

Lab Number : 28170-04

Sample Date :8/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	8/23/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	8/23/02
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	8/23/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	8/23/02

Approved By:  Joel Kiff



720 Olive Drive, Suite D  
 Davis, CA 95616  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 28170 Page 1 of 1

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

Company/Address: RKM Environmental  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_

Phone No.: (916) 771-7098 FAX No.: (916) 771-4584  
 Project Number: 67107 P.O. No.: 67107  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Name: 67107  
 Sampler Signature: [Signature]

Project Address: 44 Lemelling San Lorenzo.

**Sample Designation**

Date	Time	Container			Preservative				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			
		40 ml VOA	SLEEVE	Teal	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL																	
8/21/02	7:10																										
8/21/02	7:08																										01
8/21/02	7:06																										02
8/21/02	7:32																										03
																											04

Relinquished by: [Signature]  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Date: 8/22/02 Time: 9:20 Received by Laboratory: Hand/Brown KIFF

Remarks: STAT  
 Bill to: Terow Petroleum  
[Signature]

Distribution: White - Lab, Yellow - File, Pink - Originator



Report Number : 28819

Date : 10/1/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Air Samples  
Project Name : 67107  
Project Number : 67107  
P.O. Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

  
Joel Kiff





Report Number : 28819

Date : 10/1/02

Project Name : 67107

Project Number : 67107

Sample : SVE-INF

Matrix : Air

Lab Number : 28819-01

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	9/25/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	9/25/02
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	9/25/02
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	9/25/02

Sample : SVE-MID

Matrix : Air

Lab Number : 28819-02

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	9/25/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	9/25/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	9/25/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	9/25/02

Approved By:  Joel Kiff



Report Number : 28819

Date : 10/1/02

Project Name : 67107

Project Number : 67107

Sample : SVE-EFF

Matrix : Air

Lab Number : 28819-03

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	9/25/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	9/25/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	9/25/02
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	9/25/02

Sample : DAT-EFF

Matrix : Air

Lab Number : 28819-04

Sample Date :9/23/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	9/25/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	9/25/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	9/25/02
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	9/25/02
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	9/25/02

Approved By:  Joel Kiff



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

Lab No. 28819 Page 1 of 1

Project Contact (Hardcopy or PDF To): Richard Munsch  
 Company/Address: RKM Environmental  
 Phone No.: (916) 771-7098 FAX No.: (916) 771-4584  
 Project Number: 67107 P.O. No.: 6767  
 Project Name: 6767  
 Project Address: 44 Levelling Blvd. San Lorenzo CA  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: \_\_\_\_\_  
 Global ID: \_\_\_\_\_  
 EDF Deliverable To (Email Address): \_\_\_\_\_  
 Sampler Signature: [Signature]

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

**Analysis Request**

Analysis Request	TAT		
		12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
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)			

Sample Designation	Sampling		Container			Preservative				Matrix		
	Date	Time	40 ml VOA	SLEEVE	Tedlar	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	Air
SVE-INF	9/27/01	11:18		X					X			X
SVE-MID	9/27/01	11:16		X					X			X
SVE-EFF	9/27/01	11:14		X					X			X
DAT-EFF	9/23/01	11:12		X					X			X

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

Remarks: STAT  
 Bill to: Tesoro Petroleum  
[Signature]  
Rob Donovan