

12-498

**Kelleher & Associates  
Environmental Management**

**1658 E. Capitol Expy PMB 293  
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September 3, 2002

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

**Alameda County  
SEP 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

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 Second Quarter 2002* dated August 5, 2002.

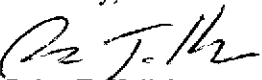
As an authorized representative of Tesoro Petroleum and Refining Company (Tesoro), I have reviewed the enclosed report and declare under penalty of perjury that to the best of my knowledge the information contained in the report is true and correct except that it appears that RDM might not have accurately reported cumulative totals for the amount of groundwater historically extracted at the site, or the amount of vapor-equivalent gasoline that has historically been removed by the soil-vapor-extraction system. We will have RDM make any appropriate corrections on the next report

The report covers the groundwater-monitoring event Doulas Environmental conducted on June 3, 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 quarterly monitoring event is scheduled for September 2002.

The report also covers operation of remedial processes for groundwater extraction/treatment (GET) and sparging-enhanced soil vapor extraction (SESVE) during the second quarter 2002. During this period the GET system extracted 341,410 gallons of groundwater and the SESVE system extracted 16.3 pounds of gasoline vapors. Tesoro has contracted RDM to continue operations through the end of the calendar year.

Please note that Tesoro purchased the business interests in this site in April 2002 and that future lead-agency correspondence in connection with the site should be sent to Tesoro with copies to Ultramar and Kelleher & Associates (*see above address*). Please call me at (408) 528-7719 if you have any questions or need additional information.

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

August 5, 2002

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

**Alameda County**  
**SEP 06 2002**  
**Environmental Health**

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report, Second 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 **Second Quarter 2002**.

**Work Performed During the Second Quarter 2002:**

- Doulos Environmental Inc. performed ground water sampling on **June 3, 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 concentration map are shown on Figures 1 through 4, 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 5.

**Operation & Maintenance Site Visits:**

- Operation and maintenance site visits were conducted for the **Second Quarter 2002** on:
  - **April 12 and 18, 2002**
  - **May 13 and 24, 2002**
  - **June 12 and 20, 2002**

**Ground Water Extraction System Performance:**

- The ground water treatment system operated intermittently during the **Second Quarter 2002**.
- During the **Second Quarter 2002**, the ground water system processed **341,410** gallons.
- As of **June 20, 2002**, the ground water system has processed approximately **1,121,890** 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 **Second Quarter 2002**.
- During the **Second Quarter 2002**, the SVE system removed **16.3** pounds of vapor equivalent gasoline.
- As of **June 12, 2002**, the SVE system has removed approximately **114.3** pounds (**18.7** 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 **Second 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.  
August 5, 2002  
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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 2Q GWM 6-3-02)



**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

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	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

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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

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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



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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

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 44 Lewelling Boulevard  
 San Lorenzo, California

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

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

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	NS	Not Sampled
	02/11/02		44.79	15.72	29.07	NS	NS	NS	NS	NS	NS	NS
	06/03/02	16.39		28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled



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## 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	NS	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

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

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	<del>NA</del>	No free product or sheen
											ND	

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



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	47.36	19.80	25.20	<0.5	<0.5	<0.5	<0.5	360	330	NA	No free product or sheen
	02/11/02		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 <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
RW-1	05/14/92	43.17	16.88	26.29	NS	NS	NS	NS	NS	NS	NS	
	05/15/92		NM	NC	270	62	29	140	790	NA	NA	
	08/27/92		19.05	24.12	1,300	200	68	810	24,000	NA	NA	
	11/19/92		21.11	22.07	NS	NS	NS	NS	NS	NS	NS	
	02/03/92		15.48	27.69	71	35	22	110	620	NA	NA	
	06/23/93		28.25	14.92	30	33	9.8	35	220	NA	NA	No free product or sheen
	09/22/93		17.83	25.34	800	400	170	910	4,100	NA	NA	No free product or sheen
	01/24/94		24.00	19.17	33	6	6.9	23	190	NA	NA	
	04/07/94		16.05	27.12	110	57	32	260	1,500	NA	NA	No free product or sheen
	06/07/94		16.00	27.17	130	51	45	180	1,700	NA	NA	No free product or sheen
	09/28/94		18.35	24.82	54	9.2	12	29	350	NA	NA	No free product or sheen
	12/14/94		19.50	23.67	6.8	2.1	1.2	3.4	79	NA	NA	No free product or sheen
	03/15/95		17.00	26.17	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	04/10/95		NM	NC	54	11	11	69	410	NA	NA	Not measured
	06/13/95		14.95	28.22	1,600	780	340	1,400	8,200	NA	NA	No free product or sheen
	09/28/95		27.63	15.54	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		14.54	28.63	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		11.02	32.15	<0.5	<0.5	<0.5	<0.5	86	110	NA	No free product or sheen
	06/11/96		14.52	28.65	38	11	4.7	50	230	68	NA	No free product or sheen
	10/02/96		15.53	27.64	68	29	14	75	360	47	NA	No free product or sheen
	01/28/97		12.59	30.58	0.77	<0.5	<0.5	<0.5	<50	9	NA	No free product or sheen
	05/20/97		14.85	28.32	<0.5	<0.5	<0.5	<0.5	<50	32	NA	No free product or sheen
	08/18/97		16.19	26.98	25	<0.5	<0.5	3.6	220	170	NA	No free product or sheen
	09/29/97		NM	NC	240	2.8	51	55	900	230	NA	Not measured
	11/05/97		16.95	26.22	340	3.2	59	78	1,300	240/220 <sup>b</sup>	NA	No free product or sheen
	03/31/98		11.85	31.32	450	130	200	940	4,100	4,100	NA	No free product or sheen
	05/26/98		13.13	30.04	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	830	210	170	720	17,000	14,000	NA	No free product or sheen
	08/19/98		14.70	28.47	20	<2.5	7.1	15	540	2,100	NA	No free product or sheen

TABLE 1

## GROUND WATER MONITORING DATA

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

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

<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-amyl methyl ether

Top of Riser Elevations = Elevations surveyed by Aegis Environmental and are assumed 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.

ND = Not detected at or above the laboratory detection limits

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	
01/04/01	218,970	70	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	
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	
05/15/01	159,810	19,620	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	
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**
1/29/02	461,150	23,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2/13/02	477,300	16,150	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**
3/8/02	509,940	2,830	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**
4/12/02	568,950	7,440	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**
5/24/02	762,880	58,920	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**
6/20/02	902,920	41,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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

MTBE = methyl-t-butyl ether

TPH = Total Petroleum Hydrocarbons

ppmv = parts per million by volume

NA = not analyzed

TABLE 4

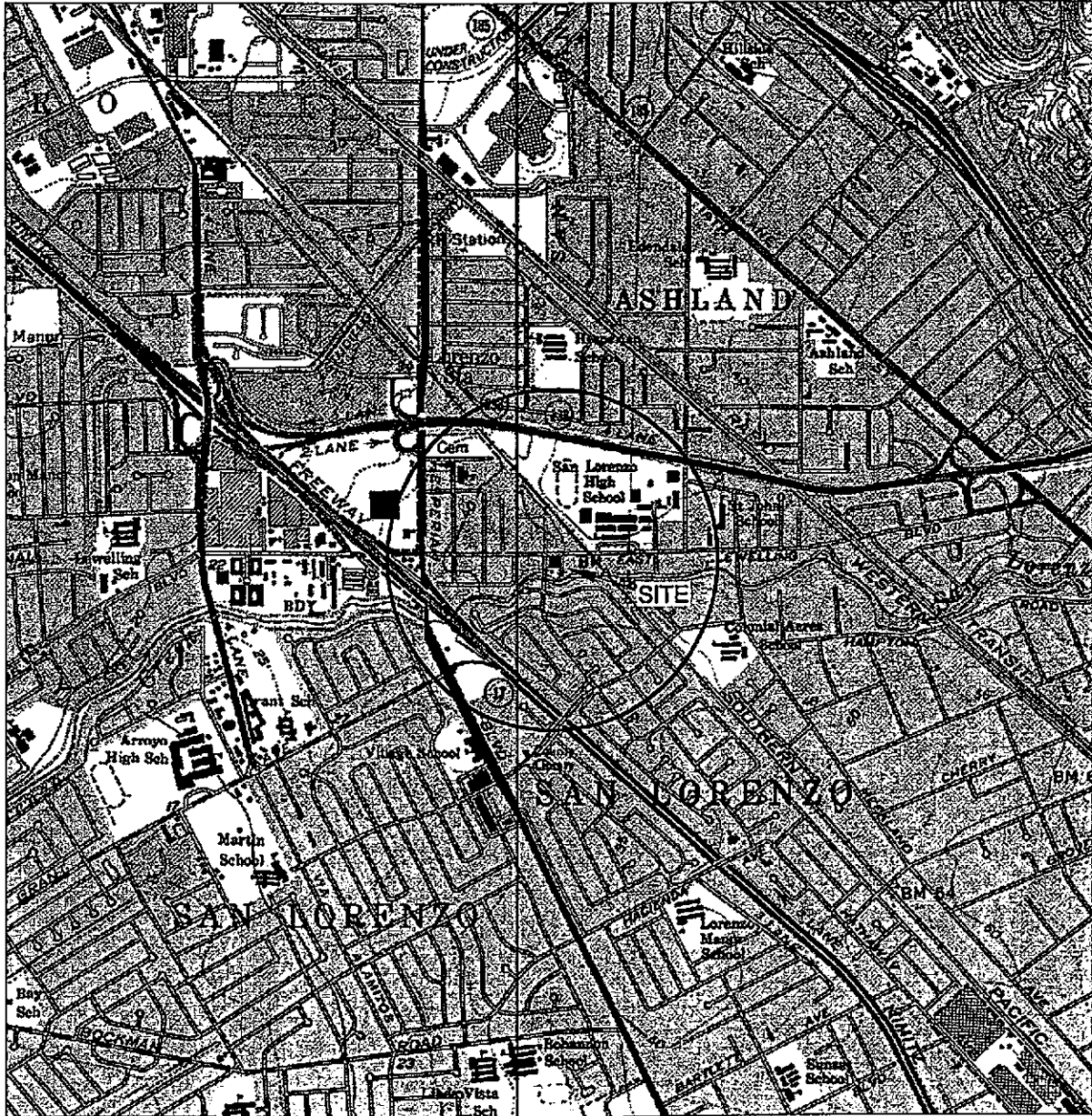
## SVE SYSTEM MONITORING

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		SVE		SVE TPH Extraction Rate (lbs/day)	SVE TPH Mass Emission (lbs/day)	SVE	SVE	Cumulative Volume of Processed Air (cubic feet)	TPH Extraction (lbs)	Cumulative TPH Extraction (lbs)	Total Hours Operated	Change in Hours of Operation
			TPH Influent (ppmv)	SVE TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)			Benzene Extraction Rate (lbs/day)	Benzene Emission Rate (lbs/day)					
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	230	<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

TPH = Total petroleum hydrocarbons.

ppmv = Parts per million by volume.



R.2 W.

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



QUADRANGLE LOCATION

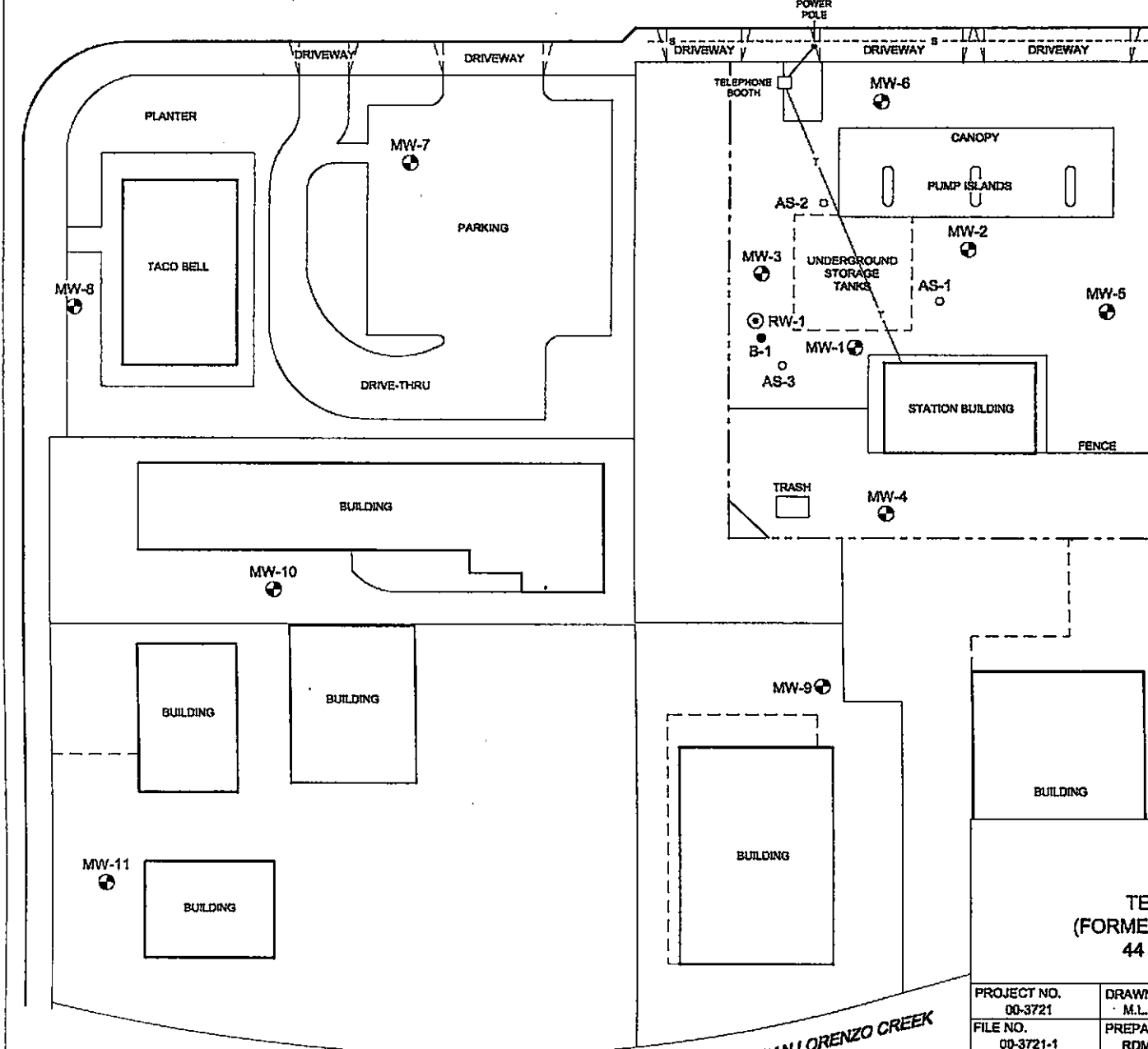


FIGURE 1  
 SITE LOCATION MAP  
 TESORO STATION NO. 67107  
 (FORMER BEACON STATION NO. 3721)  
 44 LEWELLING BOULEVARD  
 SAN LORENZO, CA.

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



LEWELLING BOULEVARD



LEGEND:

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

UTILITIES

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

NOTE:

BASE MAP ADAPTED FROM RESNA FIGURE DATED 1/3/82  
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED



FIGURE 2  
SITE MAP

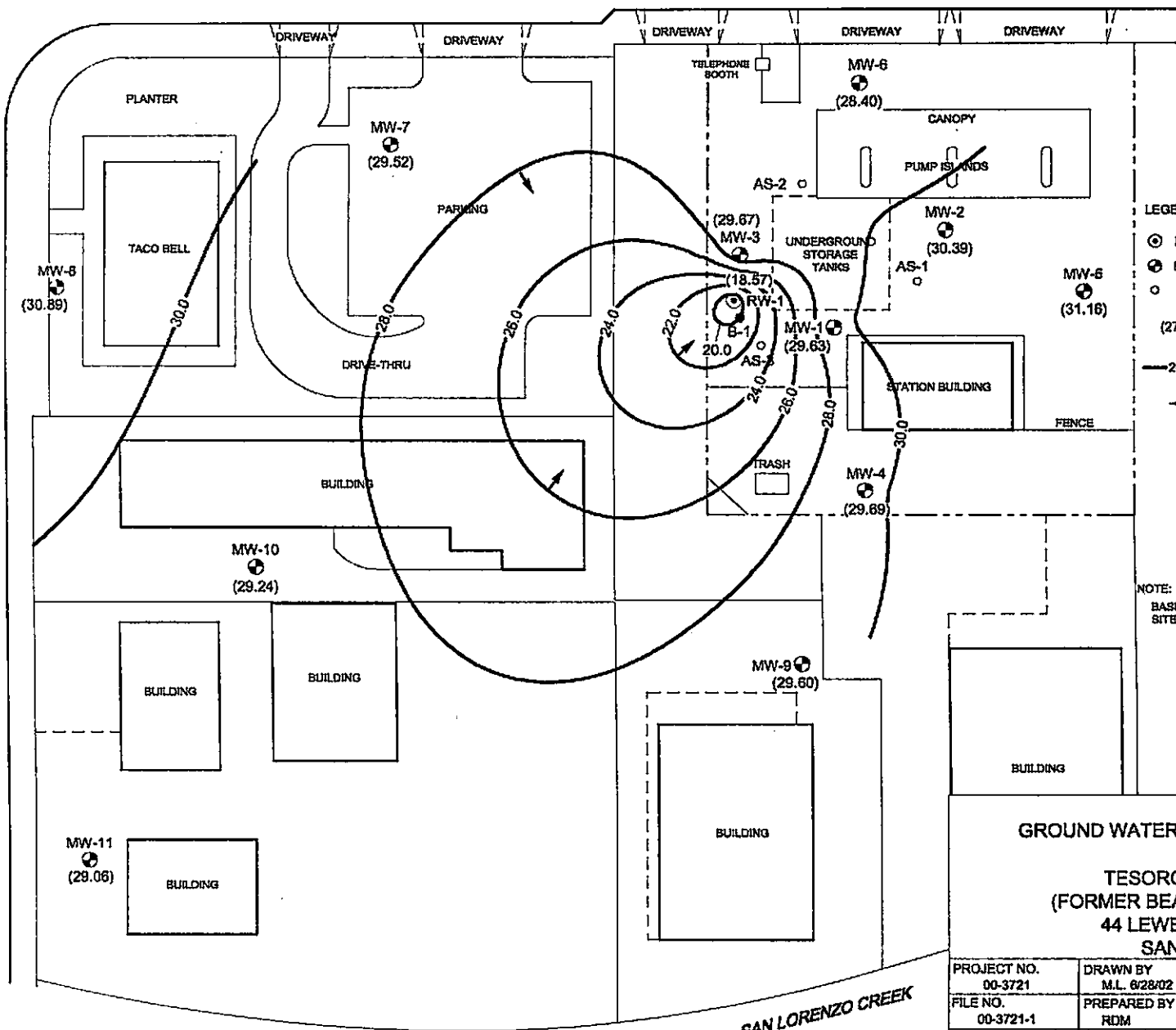
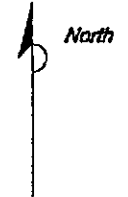
TESORO STATION NO. 67107  
(FORMER BEACON STATION NO. 3721)  
44 LEWELLING BOULEVARD  
SAN LORENZO, CA.

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
  - (27.45) GROUND WATER ELEVATION ASSUMED RELATIVE TO MEAN SEA LEVEL
  - 26.0 — WATER TABLE CONTOUR ASSUMED RELATIVE TO MEAN SEA LEVEL
  - ← GROUND WATER FLOW DIRECTION

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



FIGURE 3  
 GROUND WATER ELEVATION CONTOUR MAP  
 6/3/02 *SP*  
 TESORO STATION NO. 67107  
 (FORMER BEACON STATION NO. 3721)  
 44 LEWELLING BOULEVARD  
 SAN LORENZO, CA.

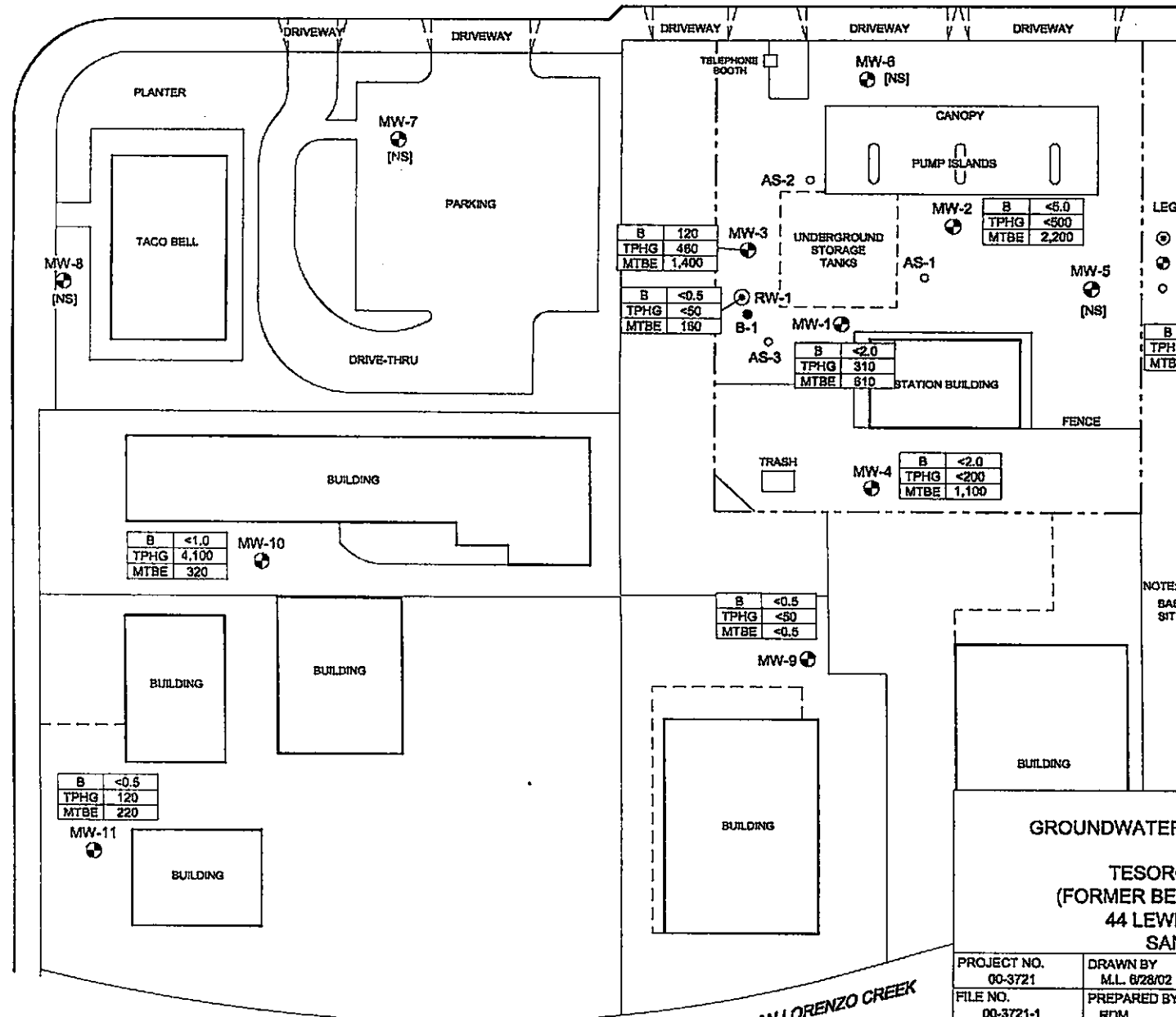
PROJECT NO. 00-3721	DRAWN BY M.L. 6/28/02
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK



LEWELLING BOULEVARD

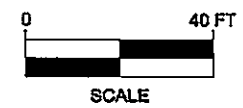


LEGEND:

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

B	<0.5	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
TPHG	<50	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/L
MTBE	<0.5	METHYL TERTIARY BUTYL ETHER IN ug/L
	NS	NOT SAMPLED

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

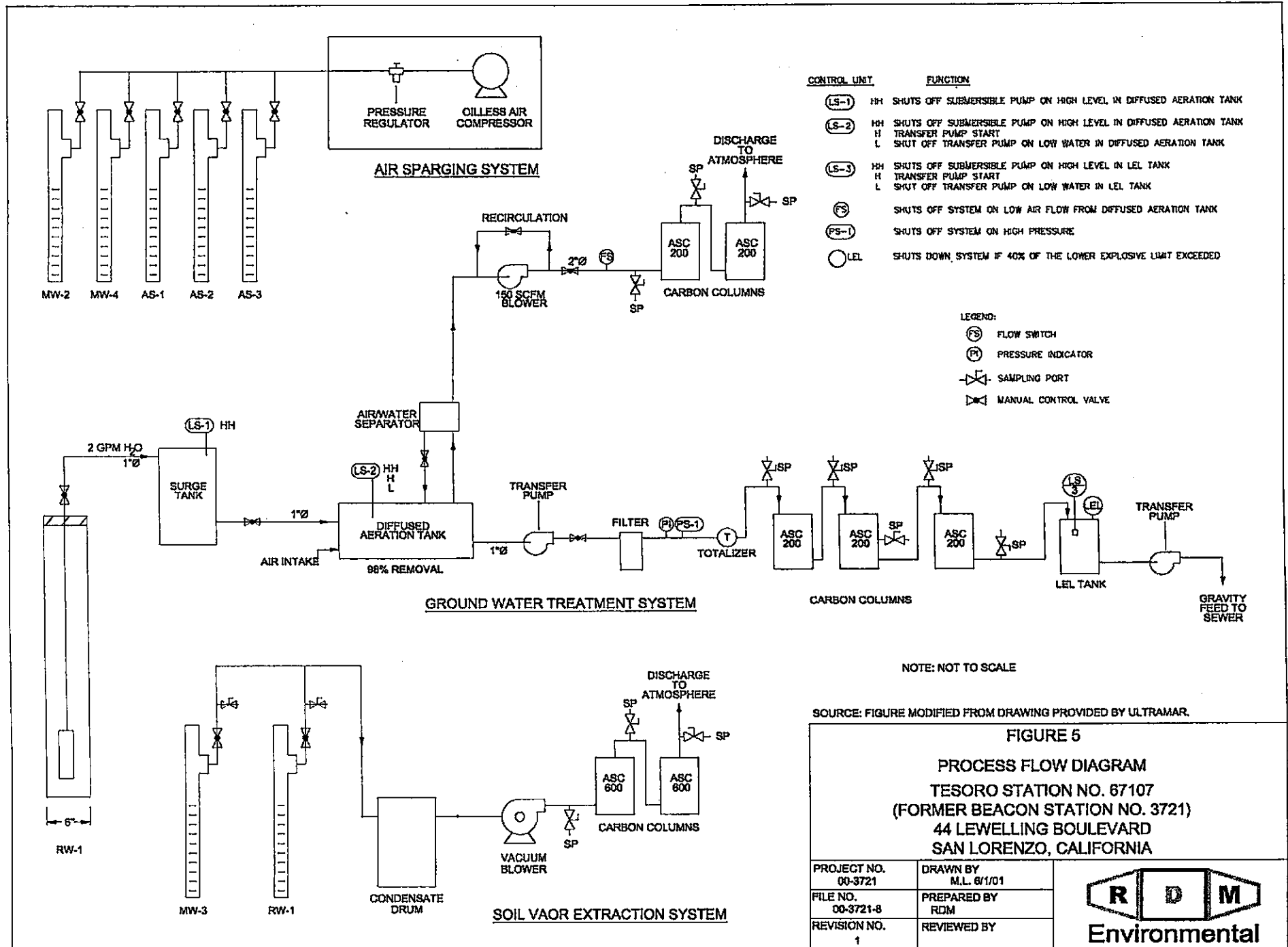


**FIGURE 4**  
**GROUNDWATER ANALYTICAL SUMMARY**  
6/3/02 SP  
**TESORO STATION NO. 67107**  
**(FORMER BEACON STATION NO. 3721)**  
**44 LEWELLING BOULEVARD**  
**SAN LORENZO, CA.**

PROJECT NO. 00-3721	DRAWN BY MLL 6/28/02
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



SAN LORENZO CREEK



**FIGURE 5**

**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. 6/1/01
FILE NO. 00-3721-8	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

**R D M**  
**Environmental**

## HISTORICAL BACKGROUND INFORMATION

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

### PRE - ULTRAMAR INC.

- 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.

### ULTRAMAR INC.

- 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

### ULTRAMAR INC. (continued)

- 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: Beacon # 3721      44 Leweling Blvd.  
San Lorenzo, Ca.

Date: 6-3-09

Project No.: 3721-71

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

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW-1	12:33		16.35	33.64				
MW-2	12:36		14.84	34.35				U.V.
MW-3	12:30		15.54	34.23				U.V.
MW-4	12:20		17.29	24.45				
MW-5	12:27		14.96	29.30				
MW-6	12:24		16.39	28.43				
MW-7	12:15		14.33	24.17				
MW-8	12:13		13.96	22.99				
MW-9	12:18		17.66	23.57				
MW-10	12:10		15.41	29.40				
MW-11	12:06		18.30	29.34				
RW-1	12:40		26.90	34.10				PUMPING

Notes:

Client: Ultramar

Sampling Date: 6-3-02

Site: Beacon #3721

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

44 Lewelling Blvd.

Well Designation: MW-1

San Lorenzo,

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

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

Above TOC \_\_\_\_\_ Below TOC \_\_\_\_\_

If no, see remarks

If no, see remarks

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: 12:33

Time: 2:20

Calculated purge: 11.0

Depth of well: 33.64

Depth to water: 17.40

Actual purge: 11.0

Depth to water: 16.35

Start purge: 2:10

Sampling time: 2:21

Time	Temperature	E.C.	pH	Turbidity	Volume
2:11	69.8	730	7.56		1
2:12	70.0	721	7.50		2
2:13	70.1	716	7.40		3
2:14	70.3	714	7.36		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: \_\_\_\_\_

Signature: \_\_\_\_\_

Client: Ultramar  
 Site: Beacon #3721  
44 Lewelling Blvd.  
San Lorenzo.

Sampling Date: 6-3-02  
 Project No.: \_\_\_\_\_  
 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  
 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: 12:36 Recharge Measurement Time: 3:01 Calculated purge: 12.4  
 Depth of well: 34.35 Depth to water: 17.10 Actual purge: 12.4  
 Depth to water: 14.84

Start purge: 2:49 Sampling time: 3:02

Time	Temperature	E.C.	pH	Turbidity	Volume
2:50	70.0	560	7.40		1
2:51	70.1	538	7.31		2
2:52	71.3	529	7.20		3
2:53	71.4	530	7.16		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: \_\_\_\_\_

Signature: \_\_\_\_\_



Client: Ultramar

Sampling Date: 6-3-02

Site: Beacon #3721

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

44 Lewelling Blvd.

Well Designation: MW-3

San Lorenzo,

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

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

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: 12:30

Depth of well: 34.23

Depth to water: 19.84

Recharge Measurement

Time: 2:40

Depth to water: 17.18

Calculated purge: 11.9

Actual purge: 11.9

Start purge: 2:30

Sampling time: 2:41

Time	Temperature	E.C.	pH	Turbidity	Volume
2:31	69.8	810	7.42		1
2:32	70.1	801	7.38		2
2:33	70.3	753	7.31		3
2:34	71.0	750	7.29		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: \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_

Client: Ultramar  
 Site: Beacon #3721  
44 Lewelling Blvd.  
San Lorenzo,

Sampling Date: 6-3-02  
 Project No.: \_\_\_\_\_  
 Well Designation: mw-4

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 Recharge Measurement  
 Time: 12:20 Time: 1:52 Calculated purge: 4.6  
 Depth of well: 24.45 Depth to water: 20.16 Actual purge: 4.6  
 Depth to water: 17.29

Start purge: 1:44 Sampling time: 1:53

Time	Temperature	E.C.	pH	Turbidity	Volume
1:45	70.0	1166	7.40		1
1:46	71.0	1101	7.33		2
1:47	71.3	1091	7.30		3
1:48	71.9	1083	7.22		4

Sample appearance: clean 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: \_\_\_\_\_

Signature: \_\_\_\_\_

**DOULOS ENVIRONMENTAL, INC.**

**SAMPLING INFORMATION SHEET**

Client: Ultramar  
 Site: Beacon #3721  
44 Lewelling Blvd.  
San Lorenzo,

Sampling Date: 8-3-02  
 Project No.: \_\_\_\_\_  
 Well Designation: MW-9

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): 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 \_\_\_\_\_

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: 12:18 Recharge Measurement Time: 1:38 Calculated purge: 3.8  
 Depth of well: 23.57 Depth to water: 18.90 Actual purge: 3.8  
 Depth to water: 17.66

Start purge: 1:28 Sampling time: 1:39

Time	Temperature	E.C.	pH	Turbidity	Volume
1:29	70.8	1115	7.41		1
1:30	71.0	1106	7.36		2
1:31	71.3	1091	7.31		3
1:32	71.6	1083	7.29		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: \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_

Client: Ultramar

Sampling Date: 6-3-02

Site: Beacon #3721

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

44 Lewelling Blvd.

Well Designation: MW-10

San Lorenzo,

Is setup of traffic control devices required?  YES  NO

Is there standing water in the well box?  YES  NO

Is top of casing cut level?  YES  NO

Is well cap sealed and locked?  YES  NO

Height of well casing riser (in inches): 10

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

Above TOC \_\_\_\_\_ Below TOC \_\_\_\_\_

If no, see remarks

If no, see remarks

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: 12:10

Time: 1:19

Calculated purge: 8.9

Depth of well: 29.40

Depth to water: 16.81

Actual purge: 8.9

Depth to water: 15.41

Start purge: 1:10

Sampling time: 1:20

Time	Temperature	E.C.	pH	Turbidity	Volume
1:11	70.5	1104	7.40		1
1:12	71.0	1100	7.31		2
1:13	71.3	1060	7.30		3
1:14	71.6	1041	7.28		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: \_\_\_\_\_

Signature: \_\_\_\_\_

Client: Ultramar  
 Site: Beacon #3721  
44 Lewelling Blvd.  
San Lorenzo,

Sampling Date: 6-3-02  
 Project No.: \_\_\_\_\_  
 Well Designation: MW-11

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): 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 Recharge Measurement  
 Time: 12:06 Time: 1:00 Calculated purge: 7.0  
 Depth of well: 29.34 Depth to water: 19.93 Actual purge: 7.0  
 Depth to water: 18.30

Start purge: 12:50 Sampling time: 1:02

Time	Temperature	E.C.	pH	Turbidity	Volume
12:51	70.1	702	7.02		1
12:52	70.4	691	7.00		2
12:53	70.6	690	6.92		3
12:54	71.2	681	6.93		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: \_\_\_\_\_

Signature: \_\_\_\_\_

Client: Ultramar  
 Site: Beacon #3721  
44 Lewelling Blvd.  
San Lorenzo.

Sampling Date: 6-3-02  
 Project No.: \_\_\_\_\_  
 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): 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 X 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good X Fair \_\_\_\_\_ Poor \_\_\_\_\_

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

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

Initial Measurement Recharge Measurement  
 Time: 12:40 Time: NA Calculated purge: \_\_\_\_\_  
 Depth of well: 34.10 Depth to water: NA Actual purge: NA  
 Depth to water: 26.90

Start purge: NA Sampling time: 2:05

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: \_\_\_\_\_

Signature: \_\_\_\_\_

**ENCLOSURE C**

Ground Water Monitoring  
Analytical Results



Report Number : 26802

Date : 6/18/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 8 Water Samples  
Project Name : SAN LORENZO  
Project Number : 3721  
P.O. Number : 3721-71

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 : 26802

Date : 6/18/02

Subject : 8 Water Samples  
Project Name : SAN LORENZO  
Project Number : 3721  
P.O. Number : 3721-71

## Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-9, RW-1, MW-4, MW-3, MW-2, MW-11, MW-10 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : SAN LORENZO

Project Number : 3721

Sample : MW-1

Matrix : Water

Lab Number : 26802-01

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Toluene	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Methyl-t-butyl ether (MTBE)	610	2.0	ug/L	EPA 8260B	6/17/02
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	6/17/02
Tert-Butanol	26	20	ug/L	EPA 8260B	6/17/02
TPH as Gasoline	310	200	ug/L	EPA 8260B	6/17/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	6/17/02
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	6/17/02

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : SAN LORENZO

Project Number : 3721

Sample : MW-2

Matrix : Water

Lab Number : 26802-02

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Toluene	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Ethylbenzene	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Total Xylenes	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Methyl-t-butyl ether (MTBE)	2200	5.0	ug/L	EPA 8260B	6/15/02
Diisopropyl ether (DIPE)	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Ethyl-t-butyl ether (ETBE)	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Tert-amyl methyl ether (TAME)	< 5.0	5.0	ug/L	EPA 8260B	6/15/02
Tert-Butanol	190	50	ug/L	EPA 8260B	6/15/02
TPH as Gasoline	< 500	500	ug/L	EPA 8260B	6/15/02
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	6/15/02
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	6/15/02

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : **SAN LORENZO**

Project Number : **3721**

Sample : **MW-3**

Matrix : Water

Lab Number : 26802-03

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	120	2.5	ug/L	EPA 8260B	6/15/02
Toluene	< 2.5	2.5	ug/L	EPA 8260B	6/15/02
Ethylbenzene	5.6	2.5	ug/L	EPA 8260B	6/15/02
Total Xylenes	8.4	2.5	ug/L	EPA 8260B	6/15/02
Methyl-t-butyl ether (MTBE)	1400	2.5	ug/L	EPA 8260B	6/15/02
Diisopropyl ether (DIPE)	< 2.5	2.5	ug/L	EPA 8260B	6/15/02
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	ug/L	EPA 8260B	6/15/02
Tert-amyl methyl ether (TAME)	< 2.5	2.5	ug/L	EPA 8260B	6/15/02
Tert-Butanol	140	25	ug/L	EPA 8260B	6/15/02
TPH as Gasoline	460	250	ug/L	EPA 8260B	6/15/02
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	6/15/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/15/02

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : **SAN LORENZO**

Project Number : **3721**

Sample : **MW-4**

Matrix : Water

Lab Number : 26802-04

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Toluene</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Ethylbenzene</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Total Xylenes</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Methyl-t-butyl ether (MTBE)</b>	<b>1100</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Diisopropyl ether (DIPE)</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Ethyl-t-butyl ether (ETBE)</b>	<b>&lt; 2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Tert-amyl methyl ether (TAME)</b>	<b>2.0</b>	2.0	ug/L	EPA 8260B	6/15/02
<b>Tert-Butanol</b>	<b>38</b>	20	ug/L	EPA 8260B	6/15/02
<b>TPH as Gasoline</b>	<b>&lt; 200</b>	200	ug/L	EPA 8260B	6/15/02
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	6/15/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/15/02

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : **SAN LORENZO**

Project Number : **3721**

Sample : MW-9

Matrix : Water

Lab Number : 26802-05

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/14/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/14/02
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/14/02

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : **SAN LORENZO**

Project Number : **3721**

Sample : **MW-10**

Matrix : **Water**

Lab Number : **26802-06**

Sample Date : **6/3/02**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Toluene</b>	<b>7.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Ethylbenzene</b>	<b>67</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Total Xylenes</b>	<b>37</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Methyl-t-butyl ether (MTBE)</b>	<b>320</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Diisopropyl ether (DIPE)</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Ethyl-t-butyl ether (ETBE)</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Tert-amyl methyl ether (TAME)</b>	<b>&lt; 1.0</b>	<b>1.0</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Tert-Butanol</b>	<b>26</b>	<b>10</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>TPH as Gasoline</b>	<b>4100</b>	<b>100</b>	<b>ug/L</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>Toluene - d8 (Surr)</b>	<b>99.6</b>		<b>% Recovery</b>	<b>EPA 8260B</b>	<b>6/17/02</b>
<b>4-Bromofluorobenzene (Surr)</b>	<b>108</b>		<b>% Recovery</b>	<b>EPA 8260B</b>	<b>6/17/02</b>

Approved By:  Joel Kiff



Report Number : 26802

Date : 6/18/02

Project Name : SAN LORENZO

Project Number : 3721

Sample : MW-11

Matrix : Water

Lab Number : 26802-07

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Methyl-t-butyl ether (MTBE)	220	0.50	ug/L	EPA 8260B	6/17/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/17/02
Tert-Butanol	13	5.0	ug/L	EPA 8260B	6/17/02
TPH as Gasoline	120	50	ug/L	EPA 8260B	6/17/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	6/17/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	6/17/02

Approved By:  Joel Kiff





Report Number : 26802

Date : 6/18/02

Project Name : **SAN LORENZO**

Project Number : **3721**

Sample : **RW-1**

Matrix : Water

Lab Number : 26802-08

Sample Date :6/3/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Methyl-t-butyl ether (MTBE)	160	0.50	ug/L	EPA 8260B	6/14/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-Butanol	7.7	5.0	ug/L	EPA 8260B	6/14/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/14/02
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/14/02

Approved By:  Joel Kiff

Report Number : 26802

Date : 6/18/02

QC Report : Method Blank Data

Project Name : SAN LORENZO

Project Number : 3721

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/14/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/14/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/14/02
Toluene - dB (Surr)	101		%	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	6/14/02

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

KIFF ANALYTICAL, LLC

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

Report Number : 26802

Date : 6/18/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **SAN LORENZO**

Project Number : **3721**

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 Recov. Limit	Relative Percent Diff. Limit
Benzene	26802-08	<0.50	39.8	39.6	39.7	39.6	ug/L	EPA 8260B	6/14/02	99.8	100	0.200	70-130	25
Toluene	26802-08	<0.50	39.8	39.6	40.3	40.2	ug/L	EPA 8260B	6/14/02	101	102	0.197	70-130	25
Tert-Butanol	26802-08	7.7	199	198	232	227	ug/L	EPA 8260B	6/14/02	113	111	1.97	70-130	25
Methyl-t-Butyl Ether	26802-08	160	39.8	39.6	178	178	ug/L	EPA 8260B	6/14/02	56.2	57.3	2.10	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 26802

Date : 6/18/02

QC Report : Laboratory Control Sample (LCS)

Project Name : **SAN LORENZO**

Project Number : **3721**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/14/02	100	70-130
Toluene	40.0	ug/L	EPA 8260B	6/14/02	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/14/02	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/14/02	81.9	70-130

KIFF ANALYTICAL, LLC

Approved By:  \_\_\_\_\_  
Joel Kiff

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



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

Lab No. 26802 Page 1 of 1

Project Contact (Hardcopy or PDF To): RICHARD MUNSEH  
 California EDF Report?  Yes  No

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

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

**Analysis Request**

Phone No.: 771-7098 FAX No.: 771-4584  
 Project Number: 3721 P.O. No.: 3721-71  
 Global ID: F.O.6.O.O.1.O.1.4.1.4  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Name: SAN LORENZO  
 Sampler Signature: Edgar Chivato

Project Address: \_\_\_\_\_

Sample Designation	Sampling		Container		Preservative				Matrix		Analysis Request										TAT	For Lab Use Only					
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	BTEX (6021B)	BTEX/TPH Gas/MTBE (6021B/MB015)	TPH as Diesel (MB015)	TPH as Motor Oil (MB015)	TPH Gas/BTEX/MTBE (6260B)	5 Oxygenates/TPH Gas/BTEX (6260B)	7 Oxygenates/TPH Gas/BTEX (6260B)	5 Oxygenates (6260B)	7 Oxygenates (6260B)	Lead Scav. (1,2 DCA & 1,2 EDG - 6260B)	EPA 8260B (Full List)		Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	12 hr/24 hr/48 hr/72 hr/1 wk		
MW-1	6-3-09	2:21	3		X	X			X						X											12	-01
MW-2		3:02																									-02
MW-3		2:41																									-03
MW-4		1:53																									-04
MW-9		1:39																									-05
MW-10		1:20																									-06
MW-11		1:09																									-07
RW-1		2:05																									-08

Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 060702 Time: 2013 Received by Laboratory: [Signature]

Remarks: \_\_\_\_\_  
 Bill to: ROB DONOVAN

**ENCLOSURE D**

Remediation System Analytical Results



Report Number : 26002

Date : 4/25/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Water Samples  
Project Name : 3721  
Project Number : 3721  
P.O. Number : 3721-66

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 : 26002

Date : 4/25/02

Project Name : 3721

Project Number : 3721

Sample : GW-INF

Matrix : Water

Lab Number : 26002-01

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Methyl-t-butyl ether (MTBE)	140	5.0	ug/L	EPA 8260B	4/20/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/02
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	4/20/02

Sample : GW-DAT-EFF

Matrix : Water

Lab Number : 26002-02

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	4/20/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/02
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	4/20/02

Approved By:  Joel Kiff





Report Number : 26002

Date : 4/25/02

Project Name : 3721

Project Number : 3721

Sample : GW-MID2

Matrix : Water

Lab Number : 26002-03

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	4/20/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/02
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	4/20/02

Sample : GW-EFF

Matrix : Water

Lab Number : 26002-04

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/20/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	4/20/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/20/02
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	4/20/02

Approved By:  Joel Kiff

Report Number : 26002

Date : 4/25/02

QC Report : Method Blank Data

Project Name : 3721

Project Number : 3721

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/19/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/19/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/19/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/19/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	4/19/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/19/02
Toluene - d8 (Surr)	101		%	EPA 8260B	4/19/02
4-Bromofluorobenzene (Surr)	96.2		%	EPA 8260B	4/19/02

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

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

Approved By:  \_\_\_\_\_  
Joel Kiff

Report Number : 26002

Date : 4/25/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 3721

Project Number : 3721

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 Recov. Limit	Relative Percent Diff. Limit
Benzene	25981-02	<0.50	40.0	40.0	42.0	41.6	ug/L	EPA 8260B	4/19/02	105	104	0.982	70-130	25
Toluene	25981-02	<0.50	40.0	40.0	40.2	40.1	ug/L	EPA 8260B	4/19/02	100	100	0.399	70-130	25
Tert-Butanol	25981-02	<5.0	200	200	204	215	ug/L	EPA 8260B	4/19/02	102	108	5.46	70-130	25
Methyl-t-Butyl Ether	25981-02	<0.50	40.0	40.0	44.8	44.4	ug/L	EPA 8260B	4/19/02	112	111	0.852	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 26002

Date : 4/25/02

QC Report : Laboratory Control Sample (LCS)

Project Name : 3721

Project Number : 3721

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/19/02	103	70-130
Toluene	40.0	ug/L	EPA 8260B	4/19/02	106	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/19/02	106	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/19/02	91.3	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

# California Laboratory Services

E nvironmental  
L aboratory  
I nformation  
S ystem

*Automated Facsimile Reporting Module  
Call (916)638-7381 to have this report  
re-transmitted.*

This facsimile was using recycled electrons.

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To: Joel Kiff

Date:4-26-102

From: CLS - INFO@CALIFORNIALAB.COM

Page 001 of 003

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\*\*\*\*\* This report is also available via E-MAIL. \*\*\*\*\*  
\* You may request individual or all reports also be sent to you \*  
\* via e-mail directly to your desk. You may also request that \*  
\* you would like both fax and e-mail reports be sent. For more \*  
\* information, send an e-mail request to [adme@clselis.com](mailto:adme@clselis.com). \*  
\*\*\*\*\*

The following facsimile report is of a preliminary nature and as such does not include data that will be forthcoming in the complete report package. Interpretation of the report results should be made only after the complete report package has been delivered.

## Analysis Report: Chemical Oxygen Demand, EPA Method 410.4

Client: Joel Kiff  
720 Olive Drive,  
Suite D  
Davis, CA 95616

Project No.: 3721  
Contact: Joel Kiff  
Phone: (530)297-4800

Project: 3721

Date Sampled: 04/18/2002  
Date Received: 04/22/2002  
Date Extracted: N/A  
Date Analyzed: 04/26/2002  
Date Reported: 04/26/2002

Lab Contact: James Liang  
Lab ID No.: T7372  
Job No.: 847372  
CDC Log No.: 26002  
Batch No.: W020422L  
Instrument ID: UV002  
Analyst ID: PONGC  
Matrix: WA

## ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / GW-EFF Chemical Oxygen Demand	N/A	ND	10	1.0

ND = Not detected at or above indicated Reporting Limit

**Analysis Report: Total Suspended Solids, EPA Method 160.2**

**Client: Joel Kiff**  
 720 Olive Drive,  
 Suite D  
 Davis, CA 95616

**Project No.: 3721**  
**Contact: Joel Kiff**  
**Phone: (530)297-4800**

**Project: 3721**

**Lab Contact: James Liang**  
**Lab ID No.: T7372**  
**Job No.: 847372**  
**COC Log No.: 26002**  
**Batch No.: W020422L**  
**Instrument ID: BA005**  
**Analyst ID: PONGC**  
**Matrix: WA**

**Date Sampled: 04/18/2002**  
**Date Received: 04/22/2002**  
**Date Extracted: N/A**  
**Date Analyzed: 04/24/2002**  
**Date Reported: 04/26/2002**

**ANALYTICAL RESULTS**

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1B / GW-EFF Total Suspended Solids	N/A	26	5.0	1.0

ND = Not detected at or above indicated Reporting Limit



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

Lab No. 26002

Page 1 of 1

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

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

Phone No.: (916) 771-7048 FAX No.: (916) 771-9584  
 Global ID: \_\_\_\_\_

Project Number: 3721 P.O. No.: 3721-66  
 EDF Deliverable To (Email Address): \_\_\_\_\_

Project Address: San Lorenzo  
 Sampler Signature: [Signature]

Project Name: 3721

**Sample Designation**

Date	Time	Sampling		Container		Preservative				Matrix		
		40 ml VOA	SLEEVE	GLASS	POLY	HCl	HNO <sub>3</sub>	ICE	NONE	MSD <sub>4</sub>	WATER	SOIL
4/18/02	9:00	2					X					
4/18/02	8:58	2					X					
4/18/02	8:56	2					X					
4/18/02	8:54	2		1	1		X		X	X		

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

Analysis Request												TAT				
BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8016)	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)	C.O.D.	TSS	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
X	X															
X	X															
X	X															
X	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: <u>[Signature]</u>

Remarks: \_\_\_\_\_  
 Bill to: Ultramar Inc.  
Joe Aldridge





Report Number : 26398

Date : 5/16/2002

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Water Samples  
Project Name : 3721  
Project Number : 3721  
P.O. Number : 3721-70

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 : 26398

Date : 5/16/2002

Project Name : 3721

Project Number : 3721

Sample : H2O-INF

Matrix : Water

Lab Number : 26398-01

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Methyl-t-butyl ether (MTBE)	220	5.0	ug/L	EPA 8260B	5/15/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	5/15/2002

Sample : H2O-MID2

Matrix : Water

Lab Number : 26398-02

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/15/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	5/15/2002

Approved By:  Joel Kiff



Report Number : 26398

Date : 5/16/2002

Project Name : 3721

Project Number : 3721

Sample : H2O-DAT-EFF

Matrix : Water

Lab Number : 26398-03

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Methyl-t-butyl ether (MTBE)	98	5.0	ug/L	EPA 8260B	5/15/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	5/15/2002

Sample : H2O-EFF

Matrix : Water

Lab Number : 26398-04

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/15/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	94.4		% Recovery	EPA 8260B	5/15/2002

Approved By:  Joel Kiff

Report Number : 26398

Date : 5/16/2002

QC Report : Method Blank Data

Project Name : 3721

Project Number : 3721

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/15/2002
Methyl-l-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/15/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/15/2002
Toluene - dB (Surr)	98.9		%	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	93.7		%	EPA 8260B	5/15/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 26398

Date : 5/16/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 3721

Project Number : 3721

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	26369-01	<0.50	40.0	40.0	38.2	38.4	ug/L	EPA 8260B	5/15/02	95.4	96.1	0.731	70-130	25
Toluene	26369-01	<0.50	40.0	40.0	39.2	39.3	ug/L	EPA 8260B	5/15/02	98.0	98.3	0.255	70-130	25
Tert-Butanol	26369-01	<5.0	200	200	183	188	ug/L	EPA 8260B	5/15/02	91.5	93.9	2.62	70-130	25
Methyl-t-Butyl Ether	26369-01	<0.50	40.0	40.0	35.2	36.0	ug/L	EPA 8260B	5/15/02	88.1	90.1	2.22	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 26398

Date : 5/16/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 3721

Project Number : 3721

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/15/02	96.5	70-130
Toluene	40.0	ug/L	EPA 8260B	5/15/02	96.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/15/02	92.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/15/02	96.5	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.

May 22, 2002

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

Subject: **Calscience Work Order No.: 02-05-0704**  
Client Reference: **3721**


Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/16/02 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 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  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 05/16/02  
Work Order No: 02-05-0704  
Preparation: N/A  
Method: EPA 410.4

Project: 3721

Page 1 of 1

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
M20-EFF	02-05-0704-1	Aqueous	05/13/02	N/A	05/21/02	052100NB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	13	5	1		mg/L

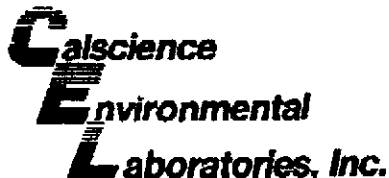
Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-08-082-1,234	Aqueous	N/A	N/A	05/21/02	052100NB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	ND	50	10		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

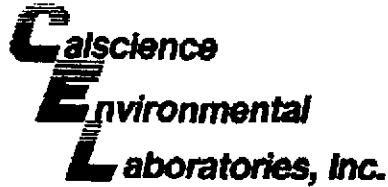
Date Received: 05/16/02  
Work Order No: 02-05-0704  
Preparation: N/A  
Method: EPA 160.2

Project: 3721

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
N2O-EFF	02-05-0704-1	Aqueous	05/13/02	N/A	05/17/02	0517TSSDP1

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

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers



Quality Control - Duplicate

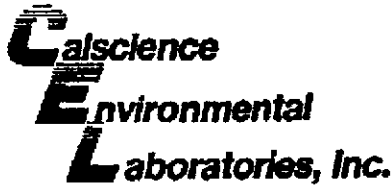
Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 5/16/02  
Work Order No: 02-05-0704  
Preparation: N/A  
Method: EPA 410.4

Project: 3721

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-05-0704			N/A	5/16/02	02-05-0704

Parameter	Sample Conc.	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	870	880	1	0-25	



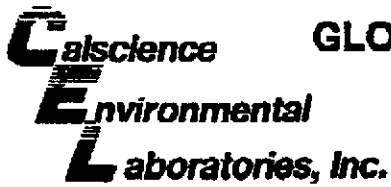
**Quality Control - Duplicate**

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

Date Received: 5/16/02  
Work Order No: 02-05-0704  
Preparation: N/A  
Method: EPA 160.2

Project: 3721

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
02-05-0704	Water	NA	NA	5/16/02	10000001
<u>Parameter</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifier</u>
Solids, Total Suspended	ND	ND	NA	0-25	



## GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-05-0704

---

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

**CALSCIENCE ENVIRONMENTAL  
LABORATORIES, INC.**

7440 LINCOLN WAY  
GARDEN GROVE, CA 92841-1432  
TEL: (714) 895-5494 • FAX: (714) 894-7501

**CHAIN OF CUSTODY RECORD**

Date 05/5/02  
Page 1 of 1

MAY-22-2002 10:52

CALSCIENCE

714 894 7501 P.07/08

LABORATORY CLIENT: <b>Kiff Analytical, I.L.C.</b>				CLIENT PROJECT NAME / NUMBER: <b>3721</b>				P.O. NO. / C.C. NO.: <b>26398</b>																																																															
ADDRESS: <b>720 Olive Drive Suite D</b>				PROJECT CONTACT: <b>Joel Kiff</b>				LAB USE ONLY <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> - <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>																																																															
CITY: <b>Davis</b>		STATE: <b>CA</b>		ZIP: <b>95616</b>		SAMPLER(S): (SIGNATURE)				COOLER RECEIPT TEMP = _____ °C																																																													
TEL: <b>530-297-4800</b>	FAX: <b>530-297-4803</b>	E-MAIL		<b>REQUESTED ANALYSES</b> <table border="1"> <tr> <td>TPH (G)</td> <td>TPH (B) or</td> <td>BTEX / MTBE (8021B)</td> <td>HALOCARBONS (8021B)</td> <td>VOCs (8280B)</td> <td>VOCs (8035 / 8280B) EnCore</td> <td>SVOCs (8270C)</td> <td>PEST (8081A)</td> <td>PCBs (8082)</td> <td>EOB / DBCP (504.1) or (8011)</td> <td>CAC, T22 METALS (8010B)</td> <td>PNA+ (8310)</td> <td>VOCs (T0-14A) or (T0-15)</td> <td>CH / TGNM0 (25.1)</td> <td>FIXED GASES (25.1) or (D1848)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								TPH (G)	TPH (B) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8280B)	VOCs (8035 / 8280B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EOB / DBCP (504.1) or (8011)	CAC, T22 METALS (8010B)	PNA+ (8310)	VOCs (T0-14A) or (T0-15)	CH / TGNM0 (25.1)	FIXED GASES (25.1) or (D1848)																																													
TPH (G)	TPH (B) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)									VOCs (8280B)	VOCs (8035 / 8280B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EOB / DBCP (504.1) or (8011)	CAC, T22 METALS (8010B)	PNA+ (8310)	VOCs (T0-14A) or (T0-15)	CH / TGNM0 (25.1)	FIXED GASES (25.1) or (D1848)																																																	
TURNAROUND TIME <b>due May 22, 2002</b> <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS																																																																							
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL ___/___/___																																																																							
SPECIAL INSTRUCTIONS																																																																							
LAB ONLY	SAMPLE ID	LOCATION/DESCRIPTION	SAMPLING		MATH	# OF	TPH (G)	TPH (B) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8280B)	VOCs (8035 / 8280B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EOB / DBCP (504.1) or (8011)	CAC, T22 METALS (8010B)	PNA+ (8310)	VOCs (T0-14A) or (T0-15)	CH / TGNM0 (25.1)	FIXED GASES (25.1) or (D1848)	X TSS	X COD																																																
			DATE	TIME																																																																			
	K20-EFF		05/3/02	9:24	WA	2																																																																	
Relinquished by: (Signature) <i>Michelle Woodcock / Kiff Analytical</i>						Received by: (Signature)						Date: <b>05/5/02</b>		Time: <b>1315</b>																																																									
Relinquished by: (Signature)						Received by: (Signature)						Date:		Time:																																																									
Relinquished by: (Signature)						Received for Laboratory by: (Signature) <i>[Signature]</i>						Date: <b>05/6/02</b>		Time: <b>1100</b>																																																									

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.  
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

10/01/00 Revision

CWO Copy to File 05/05/02



WORK ORDER #: 02-05-0704

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 051602

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: MC

CUSTODY SEAL INTACT:

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

Initial: MC

SAMPLE CONDITION:

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

Initial: MC

COMMENTS:

Blank lines for handwritten comments.



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

Lab No. 26398 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: RPM Environmental  
 Recommended but not mandatory to complete this section:  
 Sampling Company Log Code: . . . . .

Phone No.: (916) 721-7098 FAX No.: (916) 721-4584  
 Project Number: 3721 P.O. No.: 3721-70  
 Global ID: . . . . .  
 EDF Deliverable To (Email Address): . . . . .

Project Address: San Lorenzo  
 Sampler Signature: [Signature]

Project Name: 3721  
 Sampling Container Preservative Matrix

Sample Designation	Date	Time	40 ml VOA	SLEEVE	Container		Preservative				Matrix				
					Poly	Poly	HCl	HNO <sub>3</sub>	ICE	NONE	H <sub>2</sub> SO <sub>4</sub>	WATER	SOIL		
H <sub>2</sub> O - Inf	5/13/02	9:30	2				X								
H <sub>2</sub> O - MIDZ	5/13/02	9:28	2				X								
H <sub>2</sub> O - RAT - EFF	5/13/02	9:28	2				X								
H <sub>2</sub> O - EFF	5/13/02	9:24	2	X	X	X		X	X	X					

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)	TSS	C.O.D	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
X	X																
X	X																
X	X																
X	X													X	X		

Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Remarks: STAT  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 05/14/02 Time: 1915 Received by Laboratory: [Signature] / KIFF Bill to: UltraMar Inc. / [Signature]



Report Number : 26938

Date : 6/20/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Water Samples  
Project Name : Former Beacon 3721  
Project Number : 3721  
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 : 26938

Date : 6/20/02

Project Name : **Former Beacon 3721**

Project Number : **3721**

Sample : **H2O-Inf**

Matrix : **Water**

Lab Number : **26938-01**

Sample Date : **6/12/02**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Toluene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Ethylbenzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Total Xylenes</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Methyl-t-butyl ether (MTBE)</b>	<b>220</b>	5.0	ug/L	EPA 8260B	6/19/02
<b>TPH as Gasoline</b>	<b>&lt; 50</b>	50	ug/L	EPA 8260B	6/19/02
Toluene - d8 (Surr)	91.9		% Recovery	EPA 8260B	6/19/02
4-Bromofluorobenzene (Surr)	84.4		% Recovery	EPA 8260B	6/19/02

Sample : **H2O-DAT-Eff**

Matrix : **Water**

Lab Number : **26938-02**

Sample Date : **6/12/02**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Toluene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Ethylbenzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Total Xylenes</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	6/19/02
<b>Methyl-t-butyl ether (MTBE)</b>	<b>89</b>	5.0	ug/L	EPA 8260B	6/19/02
<b>TPH as Gasoline</b>	<b>&lt; 50</b>	50	ug/L	EPA 8260B	6/19/02
Toluene - d8 (Surr)	92.0		% Recovery	EPA 8260B	6/19/02
4-Bromofluorobenzene (Surr)	83.3		% Recovery	EPA 8260B	6/19/02

Approved By: Joel Kiff



Report Number : 26938

Date : 6/20/02

Project Name : Former Beacon 3721

Project Number : 3721

Sample : H2O-MID2

Matrix : Water

Lab Number : 26938-03

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Methyl-t-butyl ether (MTBE)	23	5.0	ug/L	EPA 8260B	6/18/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/18/02
Toluene - d8 (Surr)	92.6		% Recovery	EPA 8260B	6/18/02
4-Bromofluorobenzene (Surr)	86.5		% Recovery	EPA 8260B	6/18/02


Sample : H2O-Eff

Matrix : Water

Lab Number : 26938-04

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	6/18/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/18/02
Toluene - d8 (Surr)	91.6		% Recovery	EPA 8260B	6/18/02
4-Bromofluorobenzene (Surr)	86.1		% Recovery	EPA 8260B	6/18/02

Approved By:  Joel Kiff

Report Number : 26938

Date : 6/20/02

**QC Report : Method Blank Data**

Project Name : **Former Beacon 3721**

Project Number : **3721**

<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	6/18/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/18/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	6/18/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/18/02
Toluene - d8 (Surr)	91.8		%	EPA 8260B	6/18/02
4-Bromofluorobenzene (Surr)	87.0		%	EPA 8260B	6/18/02

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

Approved By:  \_\_\_\_\_  
Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 26938

Date : 6/20/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : Former Beacon 3721

Project Number : 3721

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	26972-04	<0.50	40.0	40.0	45.5	44.1	ug/L	EPA 8260B	6/18/02	114	110	3.19	70-130	25
Toluene	26972-04	<0.50	40.0	40.0	40.4	38.9	ug/L	EPA 8260B	6/18/02	101	97.3	3.71	70-130	25
Tert-Butanol	26972-04	<5.0	200	200	199	219	ug/L	EPA 8260B	6/18/02	99.4	110	9.80	70-130	25
Methyl-t-Butyl Ether	26972-04	<0.50	40.0	40.0	40.2	39.9	ug/L	EPA 8260B	6/18/02	100	99.7	0.724	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 26938

Date : 6/20/02

QC Report : Laboratory Control Sample (LCS)

Project Name : **Former Beacon 3721**

Project Number : **3721**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/18/02	111	70-130
Toluene	40.0	ug/L	EPA 8260B	6/18/02	98.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/18/02	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/18/02	101	70-130

KIFF ANALYTICAL, LLC

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

Approved By:  \_\_\_\_\_  
Joel Kiff



Report Number : 26000

Date : 4/25/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Air Samples  
Project Name : 3721  
Project Number : 3721  
P.O. Number : 3721-66

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

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

June 25, 2002

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

Subject: **Calscience Work Order No.: 02-06-0543**  
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 6/18/02 and analyzed in accordance with the attached chain-of-custody.

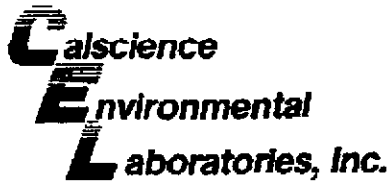
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and 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  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 06/18/02  
Work Order No: 02-06-0643  
Preparation: N/A  
Method: EPA 410.4

Project: Former Beacon 3721

Page 1 of 1

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
H2O-Eff	02-06-0643-1	Aqueous	06/12/02	N/A	06/13/02	061900MB1

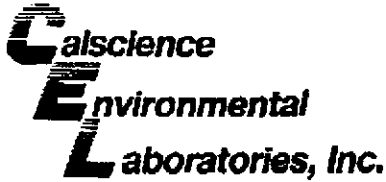
Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	5.0	5.0	1		mg/L

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	02-06-0643-1.247	Aqueous	N/A	N/A	06/14/02	061900MB1

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

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers





ANALYTICAL REPORT

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

Date Received: 06/18/02  
Work Order No: 02-06-0643  
Preparation: N/A  
Method: EPA 160.2

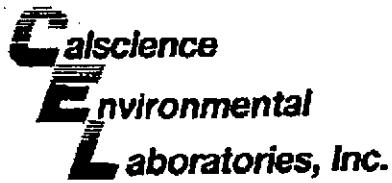
Project: Former Beacon 3721

Page 1 of 1

Client Sample Number	Lab Sample Number	Matrix	Date Collected	Date Prepared	Date Analyzed	QC Batch ID
H2O-ET	02-06-0643-1	Aqueous	06/12/02	N/A	06/18/02	0618TSSDP1

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

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



**Quality Control - Duplicate**

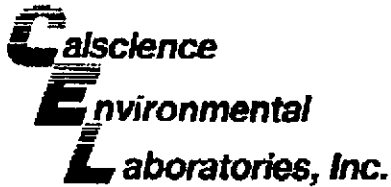
Kiff Analytical  
720 Olive Drive, Suite D1  
Davis, CA 95616-4740

Date Received: 6/18/02  
Work Order No: 02-06-0643  
Preparation: N/A  
Method: EPA 410.4

Project: Former Beacon 3721

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-06-0643-1	Aqueous	USA	N/A	06/18/02	02-06-0643-1

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	550	540	1	0-25	

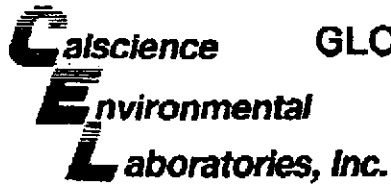


**Quality Control - Duplicate**

Kiff Analytical 720 Olive Drive, Suite D1 Davis, CA 95616-4740	Date Received: Work Order No: Preparation: Method:	6/18/02 02-06-0643 N/A EPA 160.2
Project: Former Beacon 3721		

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-06-0643-1	Aqueous	NA	NA	06/18/02	02-06-0643

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	71	67	6	0-25	



## GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-06-0643

---

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

26938

0643

**KIFF ANALYTICAL SUBCONTRACT FORM**

Subcontract Lab:

**Cal Science Environmental**

Please mail results to :

Please fax to :

**7440 Lincoln Way**

JOEL KIFF  
KIFF ANALYTICAL  
720 OLIVE DRIVE, SUITE D  
DAVIS, CA 95616

530-297-4803

**Garden Grove, CA 92841-1432**

714-895-5494

Account No. :

**PROJECT NAME : Former Beacon 3721**

**PROJECT NUMBER: 3721**

Sample	Matrix	Sampled	Tests	Due	Container
H2O-Eff	WA	06/12/2002	Chemical Oxygen Demand	06/25/2002	
H2O-Eff	WA	06/12/2002	Total Suspended Solids	06/25/2002	

Relinquished by : Joel Kiff / KIFF ANALYTICAL

Date/Time: 06/12/02 1445

Received by: UTREY

Relinquished by : UTREY

Date/Time: 6/18/02 - 1340

Received by: [Signature]

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

Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_

JUN-25-2002 12:56

CALSCIENCE

714 894 7501 P.07/08



WORK ORDER #: 02-06-0643

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 6/28/02

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):

- 3 °C Temperature blank.
°C IR thermometer.
Ambient temperature.

Initial: MC

CUSTODY SEAL INTACT:

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

Initial: MC

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: MC

COMMENTS:

Blank lines for handwritten comments.





Report Number : 26000

Date : 4/25/02

Project Name : 3721

Project Number : 3721

Sample : SVE-INF

Matrix : Air

Lab Number : 26000-01

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Methyl-t-butyl ether	0.17	0.10	Molar ppm	EPA 8260B	4/20/02
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	4/20/02
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	4/20/02

Sample : SVE-MID

Matrix : Air

Lab Number : 26000-02

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	4/20/02
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	4/20/02
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	4/20/02

Approved By:  Joel Kiff





Report Number : 26000

Date : 4/25/02

Project Name : 3721

Project Number : 3721

Sample : SVE-EFF

Matrix : Air

Lab Number : 26000-03

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	4/20/02
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	4/20/02
Toluene - d8 (Surr)	96.1		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	95.2		% Recovery	EPA 8260B	4/20/02

Sample : DAT-EFF

Matrix : Air

Lab Number : 26000-04

Sample Date :4/18/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	4/20/02
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	4/20/02
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	4/20/02
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	4/20/02
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	4/20/02

Approved By:  Joel Kiff





Report Number : 26396

Date : 5/16/2002

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Air Samples  
Project Name : 3721  
Project Number : 3721  
P.O. Number : 3721-70

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 : 26396

Date : 5/16/2002

Project Name : 3721

Project Number : 3721

Sample : SVE-INF

Matrix : Air

Lab Number : 26396-01

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	5/15/2002

Sample : SVE-MID

Matrix : Air

Lab Number : 26396-02

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	5/15/2002

Approved By:  Joel Kiff



Report Number : 26396

Date : 5/16/2002

Project Name : 3721

Project Number : 3721

Sample : SVE-EFF

Matrix : Air

Lab Number : 26396-03

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	116		% Recovery	EPA 8260B	5/15/2002

Sample : DAT-EFF

Matrix : Air

Lab Number : 26396-04

Sample Date :5/13/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/15/2002
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/15/2002
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	5/15/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	5/15/2002

Approved By:  Joel Kiff



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

Lab No. 26396 Page 1 of 1

Project Contact (Hardcopy or PDF To): Richard Murrell  
 Company/Address: RMM Environmental  
 Phone No.: (916) 771-7098 FAX No.: (916) 771-4584  
 Project Number: 3721 P.O. No.: 3721-70  
 Project Address: San Lorenzo  
 Project Name: 3721

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

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

Analysis Request															TAT																
Sample Designation	Date	Time	40 ml VOA	SLEEVE	Teal	HCl	HNO <sub>3</sub>	ICE	NONE	WATER	SOIL	Air	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/MB015)	TPH as Diesel (MB015)	TPH as Motor Oil (MB015)	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)	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only		
SVE - Int	5/13/02	9:45							X			X	X																		-01
SVE - MID	5/12/02	9:44							X			X	X																		-02
SVE - EFF	5/13/02	9:46							X			X	X																		-03
<del>SVE</del>									X			X	X																		-04
DATA - EFF	5/13/02	9:40							X			X	X																		

Relinquished by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: 05/14/02 Time: 1915

Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by Laboratory: Osama Albalan / KIFF Analytical  
 Remarks: STAT  
 Bill to: U-Human Inc. / Joe Aldridge



Report Number : 26937

Date : 6/19/02

Richard Munsch  
RDM Environmental  
1704 Via Riata  
Roseville, CA 95747

Subject : 4 Air Samples  
Project Name : Former Beacon 3721  
Project Number : 3721  
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, looped "J" and "K".

Joel Kiff



Report Number : 26937

Date : 6/19/02

Project Name : Former Beacon 3721

Project Number : 3721

Sample : SVE-Inf

Matrix : Air

Lab Number : 26937-01

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	6/14/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	6/14/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	6/14/02

Sample : SVE-MID

Matrix : Air

Lab Number : 26937-02

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	6/14/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	6/14/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	6/14/02

Approved By:  Joel Kiff





Report Number : 26937

Date : 6/19/02

Project Name : Former Beacon 3721

Project Number : 3721

Sample : SVE-Eff

Matrix : Air

Lab Number : 26937-03

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	6/14/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	6/14/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	6/14/02


Sample : DAT-Eff

Matrix : Air

Lab Number : 26937-04

Sample Date :6/12/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	6/14/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	6/14/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	6/14/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	6/14/02
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	6/14/02

Approved By:  Joel Kiff

