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Kelleher & Associates
Environmental Management

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February 27, 2003

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

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

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

Dear Ms. Chu and Ms. Keach:

Please find enclosed herewith a copy of the following technical report prepared by RDM, Roseville, CA:

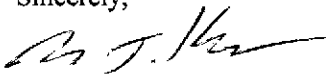
Quarterly Groundwater Monitoring and Remediation Status Report Fourth Quarter 2002 dated February 25, 2003.

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

The report covers the groundwater-monitoring event Doulas Environmental conducted on November 14, 2002 during which they sounded twelve monitoring wells, purged and sampled eight wells, and provided for certified analyses of total petroleum hydrocarbon constituents, BTEX, and MTBE using EPA Method 8260B. The next groundwater-monitoring event is scheduled for the first quarter 2003.

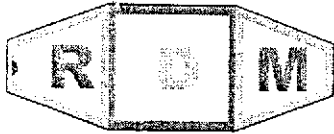
The report also covers operation of remedial processes for groundwater extraction/treatment (GET) and sparging-enhanced soil vapor extraction (SESVE) during the fourth quarter 2002. During this period the GET system extracted 326,610 gallons of groundwater and the SESVE system extracted 16.6 pounds of gasoline vapors. Tesoro has contracted RDM to continue operations through calendar year 2003.

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
February 25, 2003

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

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

Subject: *Quarterly Ground Water Monitoring and
Remediation System Status Report, Fourth Quarter 2002*
Tesoro Station No. 67107
(Former Beacon Station No. 3721)
44 Lewelling Boulevard
San Lorenzo, California
RDM Project No. 02-67107

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 (ACEHD). This report describes quarterly ground water monitoring and remediation system status for the **Fourth Quarter 2002**.

Work Performed During the Fourth Quarter 2002:

- Doulos Environmental Inc. performed ground water sampling on **November 14, 2002**.
- RDM conducted operation and maintenance on the remediation system.
- On **January 14, 2003**, RDM Sampled the two domestic wells at 15800 and 15808 Via Cordoba in San Lorenzo as requested by the ACEHD in an E-mail dated September 27, 2002. These two domestic water wells are used for landscape irrigation. The analytical results of the domestic well samples are presented in Table 1.

STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is summarized in Table 1. A site location map, site detail map, ground water elevation map, and benzene, total petroleum hydrocarbons as gasoline, and methyl-t-butyl ether isoconcentration maps are shown on Figures 1 through 6, respectively. The site history is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results and domestic well 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.

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STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of ground water treatment, soil vapor extraction (SVE) and air sparging components. Details of system performance and cumulative totals are tabulated in Tables 2 through 4. A process flow diagram showing details of the system is shown as Figure 7.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **Fourth Quarter 2002** on:
 - **October 7 and 21, 2002**
 - **November 11 and 24, 2002**
 - **December 11 and 20, 2002**

Ground Water Extraction System Performance:

- The ground water treatment system operated continuously during the **Fourth Quarter 2002**.
- During the **Fourth Quarter 2002**, the ground water system processed **328,610** gallons.
- As of **December 20, 2002**, the ground water system has processed approximately **1,816,100** 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 **Fourth Quarter 2002**.
- During the **Fourth Quarter 2002**, the SVE system removed **16.6** pounds of vapor equivalent gasoline.
- As of **December 20, 2002**, the SVE system has removed approximately **151.1** pounds (24.8 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 **Fourth 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 analytical results from the grab sample collected from the domestic well located at 15800 Via Cordoba (DW-15800) reported MTBE at a concentration of 0.81 micrograms per liter. RDM recommends that a confirmation sampling event be conducted on these two domestic wells in March 2003. A copy of the

Mr. Rob Donovan
Tesoro Petroleum Companies, Inc.
February 25, 2003
Page 3

ACEHD e-mail is located in Enclosure F and the locations of the two domestic wells are illustrated in Figure 8.

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


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

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

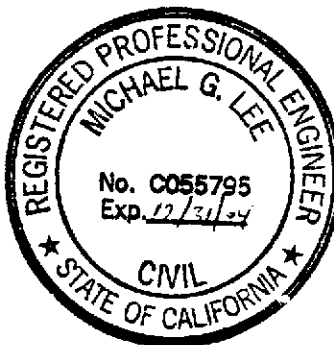
Mr. Steven Ritchie – California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

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

RDM ENVIRONMENTAL


Richard D. Munsch
Project Manager


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



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

Enclosures:

- Enclosure A: Site Background Information
- Enclosure B: Ground Water Sampling Information
- Enclosure C: Ground Water Monitoring Analytical Results
- Enclosure D: Remediation System Analytical Results
- Enclosure E: EDF Confirmation Sheet
- Enclosure F: Copy of ACEHD September 27, 2002 E-mail

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

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Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	NA	No free product or sheen
(Cont.)	08/19/98		14.58	29.09	12	<2.5	6.0 ^c	3.8 ^c	<250 ^c	2,200	NA	No free product or sheen
	11/17/98		15.39	28.28	8.3	<2.5	9.2	7.6	860	4,200	NA	No free product or sheen
	02/18/99		13.52	30.15	2.7	<2.5	<2.5	3.9	310	4,200	NA	No free product or sheen
	06/24/99		15.02	28.65	10	<2.5	12	6.5	860	3,400	NA	No free product or sheen
	08/30/99		15.87	27.80	2.0	<0.5	3.9	2.0	140	2,800	NA	No free product or sheen
	11/09/99		16.65	27.02	<0.5	<0.5	3.1	2.0	170	1,500	NA	No free product or sheen
	03/22/00		13.96	29.71	2.8	<2.0	3.6	<2.0	<200	1,200	NA	No free product or sheen
	06/12/00		15.23	28.44	1.3	<1.0	<1.0	<1.0	190	640	NA	No free product or sheen
	11/15/00		17.05	26.62	<1.0	<0.1	<1.0	<1.0	240	960	NA	No free product or sheen
	02/26/01		15.46	28.21	1.2	<1.0	<1.0	<1.0	<100	2,800	NA	No free product or sheen
	05/21/01		16.22	27.45	<2.0	<2.0	<2.0	<2.0	<200	540	NA	No free product or sheen
	09/05/01		11.25	32.42	7.0	<2.0	<2.0	<2.0	<200	550	NA	No free product or sheen
	11/07/01		18.01	25.66	<2.0	<2.0	<2.0	<2.0	290	750	NA	No free product or sheen
	02/11/02	45.98	15.77	30.21	<1.0	<1.0	<1.0	<1.0	270	450	NA	No free product or sheen
	06/03/02		16.35	29.63	<2.0	<2.0	<2.0	<2.0	310	610	26 ^c	No free product or sheen
	08/06/02		17.00	28.98	<0.5	<0.5	<0.5	<0.5	170	540	20 ^c	No free product or sheen
	11/14/02		16.93	29.05	<2.0	<2.0	<2.0	<2.0	490	900	ND	No free product or sheen

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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-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 ^a	NA	NA	No free product or sheen
	09/28/95		16.07	27.02	<0.5	<0.5	<0.5	<0.5	670 ^a	NA	NA	No free product or sheen
	12/28/95		16.46	26.63	9.5	<5.0	<5.0	5.2	3,100	4,600	NA	No free product or sheen
	03/12/96		13.11	29.98	<1.3	<1.3	<1.3	<1.3	710	3,200	NA	No free product or sheen
	06/11/96		14.14	28.95	1.6	<1.3	<1.3	<1.3	1,900 ^a	5,100	NA	No free product or sheen
	10/02/96		15.71	27.38	<2.5	<2.5	<2.5	<2.5	2,800	7,900	NA	No free product or sheen
	01/28/97		12.05	31.04	<0.5	<0.5	<0.5	<0.5	130	210	NA	No free product or sheen
	05/20/97		14.65	28.44	120	16	<2.5	4.0	1,400	390	NA	No free product or sheen
	08/18/97		16.00	27.09	<2.5	<2.5	<2.5	<2.5	<250	2,000	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.75	26.34	<2.5	<2.5	<2.5	<2.5	<250	2,900/2,900 ^b	NA	No free product or sheen
	03/31/98		11.54	31.55	<0.5	<0.5	<0.5	<0.5	<10,000	85,000	NA	No free product or sheen
	05/26/98		12.78	30.31	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<500	<500	<500	<500	<50,000	97,000	NA	No free product or sheen
	08/19/98		14.40	28.69	<0.5	<0.5	<0.5	<0.5	210	22,000	NA	No free product or sheen
	11/17/98		15.18	27.91	<0.5	<0.5	<0.5	<0.5	<50	17,000	NA	No free product or sheen

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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 ^c	No free product or sheen
	08/06/02		14.85	30.38	<5.0	<5.0	<5.0	<5.0	<500	3,300	110 ^c	No free product or sheen
	11/14/02		15.35	29.88	<10	<10	<10	<10	<1,000	3200	120 ^c	No free product or sheen

TABLE 1

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	03/31/98	43.10	11.55	31.55	1,800	600	410	1,400	12,000	510	NA	No free product or sheen
(Cont.)	05/26/98		12.80	30.30	NS	NS	NS	NS	NS	NS	NA	No free product or sheen
	05/28/98		NM	NC	1,500	400	280	870	6,500	480	NA	No free product or sheen
	08/19/98		14.27	28.83	130	11	24	60	1,400	140	NA	No free product or sheen
	11/17/98		15.11	27.99	48	3.5	9.9	14	510	120	NA	No free product or sheen
	02/18/99		13.30	29.80	67	28	24	81	690	88	NA	No free product or sheen
	06/24/99		14.44	28.66	27	21	8.6	32	540	61	NA	No free product or sheen
	08/30/99		15.05	28.05	12	12	3.2	13	250	50	NA	No free product or sheen
	11/09/99		15.72	27.38	9.8	5.3	3.4	10	230	48	NA	No free product or sheen
	03/22/00		13.21	29.89	180	47	46	100	1,500	80	NA	No free product or sheen
	06/12/00		14.31	28.79	100	6.2	20	25	920	76	NA	No free product or sheen
	11/15/00		16.13	26.97	280	5.0	21	20	1,100	140	NA	No free product or sheen
	02/26/01		14.48	28.62	14	4.3	3.1	11	140	230	NA	No free product or sheen
	05/21/01		15.30	27.80	36	0.72	1.0	2.2	510	280	NA	No free product or sheen
	09/05/01		16.10	27.00	59	0.53	0.75	0.57	390	620	NA	No free product or sheen
	11/07/01		17.40	25.70	170	2.3	4.9	4.8	830	900	NA	No free product or sheen
	02/11/02	45.21	13.56	31.65	17	<2.5	4.7	7.9	370	1,200	NA	No free product or sheen
	06/03/02		15.54	29.67	120	<2.5	5.6	8.4	460	1,400	140 ^c	No free product or sheen
	08/06/02		16.20	29.01	110	<5.0	<5.0	<5.0	800	2,200	170 ^c	No free product or sheen
	11/14/02		16.50	28.71	89	<10	<10	<10	1,400	2,800	210 ^c	No free product or sheen

TABLE 1
GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments	
MW-4 (Cont.)	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	
	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 ^c , 2.0 ^l	No free product or sheen
	08/06/02			17.92	29.06	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/14/02			17.92	29.06	<2.0	<2.0	<2.0	<2.0	<200	700	ND	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5	02/18/92	43.79	17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	05/14/92		17.29	26.50	<0.5	<0.05	<0.5	<0.5	<50	NA	NA	
	08/27/92		22.18	21.61	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	11/19/92		20.68	23.11	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	02/03/93		15.91	27.88	3.0	2.7	8.0	9.9	55	NA	NA	
	06/23/93		16.24	27.55	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		17.93	25.86	0.66	1.1	<0.5	0.6	<50	NA	NA	No free product or sheen
	01/24/94		17.82	25.97	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	04/07/94		16.91	26.88	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		17.10	26.69	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		18.73	25.06	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		17.53	26.26	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		14.96	28.83	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		15.30	28.49	<0.5	0.52	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		16.74	27.05	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/28/95		15.10	28.69	<0.5	<0.5	<0.5	<0.5	120	<5.0	NA	No free product or sheen
	03/12/96		13.67	30.12	<0.5	<0.5	<0.5	<0.5	<50	9	NA	No free product or sheen
	06/11/96		14.88	28.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		16.42	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.83	30.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		15.33	28.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		16.69	27.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 ^b	NA	No free product or sheen
	03/31/98		12.40	31.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/26/98		13.62	30.17	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/19/98		15.19	28.60	<0.5	<0.5	<0.5	<0.5	<50	7.1	NA	No free product or sheen
	11/17/98		15.89	27.90	<0.5	<0.5	<0.5	<0.5	<50	6.3	NA	No free product or sheen

TABLE 1
GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-5 (Cont.)	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
	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	NS
	09/05/01	16.99	26.80	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01	17.51	26.28	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	46.12	14.31	31.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.96	31.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.65	30.47	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.69	30.43	NS	NS	NS	NS	NS	NS	NS	Not Sampled

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments	
MW-6 (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	Not Sampled
	06/03/02			16.39	28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02	18.90		25.89	NS	NS	NS	NS	NS	NS	NS	Not Sampled	
11/14/02		18.93	25.86	NS	NS	NS	NS	NS	NS	NS	Not Sampled		

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	02/18/92	41.54	15.51	26.03	16	<0.5	10	16	670	NA	NA	
	05/14/92		15.41	26.13	44	<0.5	38	88	1,500	NA	NA	
	08/27/92		17.45	24.09	400	5.8	290	1,400	23,000	NA	NA	
	11/19/92		18.54	23.00	29	<0.5	10	53	330	NA	NA	
	02/03/93		14.10	27.44	200	<0.5	110	480	2,000	NA	NA	
	06/23/93		14.33	27.21	20	<0.5	16	16	280	NA	NA	No free product or sheen
	09/22/93		15.92	25.62	71	2.2	33	210	860	NA	NA	No free product or sheen
	01/24/94		16.07	25.47	61	<1.3	10	160	900	NA	NA	
	04/07/94		15.10	26.44	53	<0.5	7.1	49	630	NA	NA	
	06/07/94		15.16	26.38	55	<0.5	14	24	730	NA	NA	No free product or sheen
	09/28/94		16.82	24.72	21	<0.5	2.3	3.1	300	NA	NA	No free product or sheen
	12/14/94		15.75	25.79	19	<0.5	3.3	32	430	NA	NA	No free product or sheen
	03/15/95		14.00	27.54	0.88	<0.5	<0.5	<0.5	70	NA	NA	No free product or sheen
	06/13/95		13.44	28.10	7.3	0.79	7.6	8.9	190	NA	NA	No free product or sheen
	09/28/95		14.84	26.70	1.5	<0.5	1.2	0.84	60	NA	NA	No free product or sheen
	12/28/95		14.55	26.99	<0.5	<0.5	0.91	0.69	60	10	NA	No free product or sheen
	03/12/96		13.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	NA	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	NA	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	NA	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0 ^b	NA	No free product or sheen
	03/31/98		10.25	31.29	<0.5	<0.5	<0.5	1.3	<5.0	6	NA	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	10	NA	No free product or sheen
	08/19/98		13.08	28.46	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No free product or sheen
	11/17/98		13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	02/18/99	41.54	12.16	29.38	<0.5	<0.5	<0.5	<0.5	51	22	NA	No free product or sheen
(Cont.)	06/24/99		13.35	28.19	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.23	27.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		14.60	26.94	<0.5	<0.5	<0.5	<0.5	<50	16	NA	No free product or sheen
	03/22/00		11.91	29.63	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	06/12/00		13.28	28.26	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.12	26.42	<0.5	<0.5	<0.5	<0.5	<50	17	NA	No free product or sheen
	02/26/01		13.46	28.08	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	05/21/01		14.31	27.23	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	09/05/01		15.42	26.12	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/07/01		16.18	25.36	<0.5	<0.5	<0.5	<0.5	<50	5.4	NA	Not Sampled
	02/11/02	43.85	13.76	30.09	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.33	29.52	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.04	28.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.05	28.80	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	ND	No free product or sheen

<50

TABLE I
GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	02/18/99	42.26	13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		14.35	27.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		15.16	27.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.61	26.65	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		14.19	28.07	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.04	26.22	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		12.99	29.27	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		13.86	28.40	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		14.91	27.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		15.62	26.64	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	44.85	13.55	31.30	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		13.96	30.89	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.82	29.03	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.86	28.99	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1
GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	02/18/99	44.94	15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		16.73	28.21	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		17.48	27.46	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.98	26.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		18.65	26.29	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.80	30.14	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.68	29.26	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.70	28.24	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.23	27.71	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	47.26	17.16	30.10	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		17.66	29.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No free product or sheen
	08/06/02		18.26	29.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen
	11/14/02		18.33	28.93	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE I

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 ^c	No free product or sheen
	08/06/02		15.98	28.67	<1.0	5.4	18	18	4,500	310	18 ^c	No free product or sheen
	11/14/02		16.10	28.55	<1.0	<1.0	2.2	6.4	5,200	280	13 ^c	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1
GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments	
MW-11 (Cont.)	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	
	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	NS	Not Sampled
	05/21/01		18.23	26.77	<0.5	<0.5	<0.5	<0.5	<50	30	NA	NA	No free product or sheen
	09/05/01		19.21	25.79	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01	19.80	25.20	<0.5	<0.5	<0.5	<0.5	360	330	NA	NA	No free product or sheen	
	02/11/02	47.36	17.40	29.96	NS	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 ^f	NA	No free product or sheen
	08/06/02		18.80	28.56	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled
11/14/02	18.94		28.42	<1.0	<1.0	<1.0	<1.0	240	380	ND	ND	No free product or sheen	

TABLE I

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-1 (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 ^c	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	08/06/02		25.56	19.91	<0.5	<0.5	<0.5	<0.5	<50	190	6.0 ^e	No free product or sheen
(cont)	11/14/02		24.83	20.64	<0.5	<0.5	<0.5	<0.5	<50	170	ND	No free product or sheen
DW-15800*	01/14/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	0.81	ND	No free product or sheen
DW-15808*	01/14/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No free product or sheen

^a Product is not typical gasoline.

^b MTBE by EPA Method 8020/EPA Method 8260.

^c Constituents by EPA Method 8260.

^d Oxygenates = diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, methanol, and ethanol.

^e Tert-Butanol

^f Tert-amyl methyl ether

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

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

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

NS = Not sampled.

NM = Not measured.

NC = Not calculated.

NA = Not analyzed.

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

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

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	COD ^c	TSS ^d	
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 ^a	MTBE ^b	COD ^c	TSS ^d	
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 ^a	MTBE ^b	COD ^c	TSS ^d	
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 ^a	MTBE ^b	COD ^c	TSS ^d	
01/17/02	437,340	190	Influent	<0.5	<0.5	<0.5	<0.5	<50	240	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	25	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.54**
01/29/02	461,150	23,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/13/02	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**
03/08/02	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**
04/12/02	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**
05/24/02	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 ^a	MTBE ^b	COD ^c	TSS ^d	
06/12/02	861,220	98,340	Influent	<0.5	<0.5	<0.5	<0.5	<50	220	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	89	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	23	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	5	7.24**
06/20/02	902,920	41,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/05/02	976,890	73,970	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/23/02	988,120	11,230	Influent	85	<0.5	<0.5	7.3	220	520	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	10	3.6	7.46**
08/01/02	1,040,520	52,400	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/21/02	1,132,920	92,400	Influent	<0.5	<0.5	<0.5	<0.5	<50	190	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	29	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.8	5.1	<1.0	7.32**

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

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	COD ^c	TSS ^d	
09/14/02	1,245,710	112,790	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/23/02	1,268,520	22,810	Influent	6.5	0.53	1.2	2.5	<50	230	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	7.7	<1.0	7.47**
10/07/02	1,332,060	63,540	NS	NS	NS	NS	NS	NS	NS	NS	NS	
10/22/02	1,392,920	60,860	Influent	<0.5	<0.5	<0.5	<0.5	<50	150	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	69	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	13.0	<1.0	7.48**
11/11/02	1,411,070	18,150	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/24/02	1,474,210	63,140	Influent	<0.5	<0.5	<0.5	<0.5	<50	170	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	130	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	3.2	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.95	10.0	<1.0	7.52**
12/11/02	1,548,430	74,220	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/20/02	1,597,130	48,700	Influent	<0.5	<0.5	<0.5	<0.5	<50	150	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	120	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	1.5	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	0.57	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.71	<5.0	<1.0	7.58**

10/22

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)	Ethylbenzene (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 Leelling Boulevard
San Lorenzo, California

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/21/01	<0.05	<0.05	<0.05	<0.05	5.3	<0.10
Mid Air	6/21/01	<0.05	<0.05	<0.05	<0.05	8.4	<0.10
Effluent	6/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	7/5/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	8/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	8/24/01	<0.05	<0.05	<0.05	0.066	<5.0	<0.10
Influent	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/6/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Mid Air	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	1/17/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	3/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.17
Mid Air	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	5/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 3
SVE SYSTEM ANALYTICAL RESULTS

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	6/12/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	8/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	12/20/02	<0.05	<0.05	<0.05	0.05	<5.0	<0.10
Mid Air	12/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	12/20/02	<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 ³ /min)	Stack Flow Rate (ft ³ /min)	SVE TPH Influent (ppmv)	SVE TPH Effluent (ppmv)	SVE Benzene Influent (ppmv)	SVE Benzene Effluent (ppmv)	SVE TPH Extraction Rate (lbs/day)	SVE TPH Mass Emission (lbs/day)	SVE	SVE	Cumulative Volume of Processed Air (cubic feet)	TPH Extraction (lbs)	Cumulative TPH Extraction (lbs)	Total Hours Operated	Change in Hours of Operation
									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	210	<5.0	<5.0	<0.05	<0.05	<0.36	<0.36	<0.003	<0.003	9.39 E+06	5.6	114.3	31,381	745
08/21/02	230	230	<5.0	<5.0	<0.05	<0.05	<0.40	<0.40	<0.003	<0.003	2.30 E+07	13.7	128.0	33,044	1,664
09/23/02	228	228	<5.0	<5.0	<0.05	<0.05	<0.39	<0.39	<0.003	<0.003	1.08 E+07	6.5	134.5	33,832	787
10/21/02	220	220	<5.0	<5.0	<0.05	<0.05	<0.38	<0.38	<0.003	<0.003	8.92 E+06	5.3	139.8	34,508	676
11/24/02	218	218	<5.0	<5.0	<0.05	<0.05	<0.38	<0.38	<0.003	<0.003	1.06 E+07	6.4	146.2	35,320	812
12/20/02	218	218	<5.0	<5.0	<0.05	<0.05	<0.38	<0.38	<0.003	<0.003	8.24 E+06	4.9	151.1	35,950	630

TPH = Total petroleum hydrocarbons.

ppmv = Parts per million by volume.



T.3 S.

R.2 W.

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



QUADRANGLE LOCATION

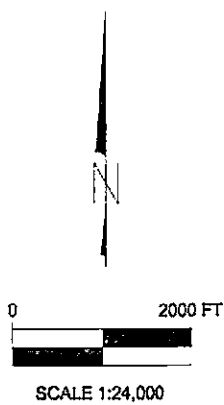
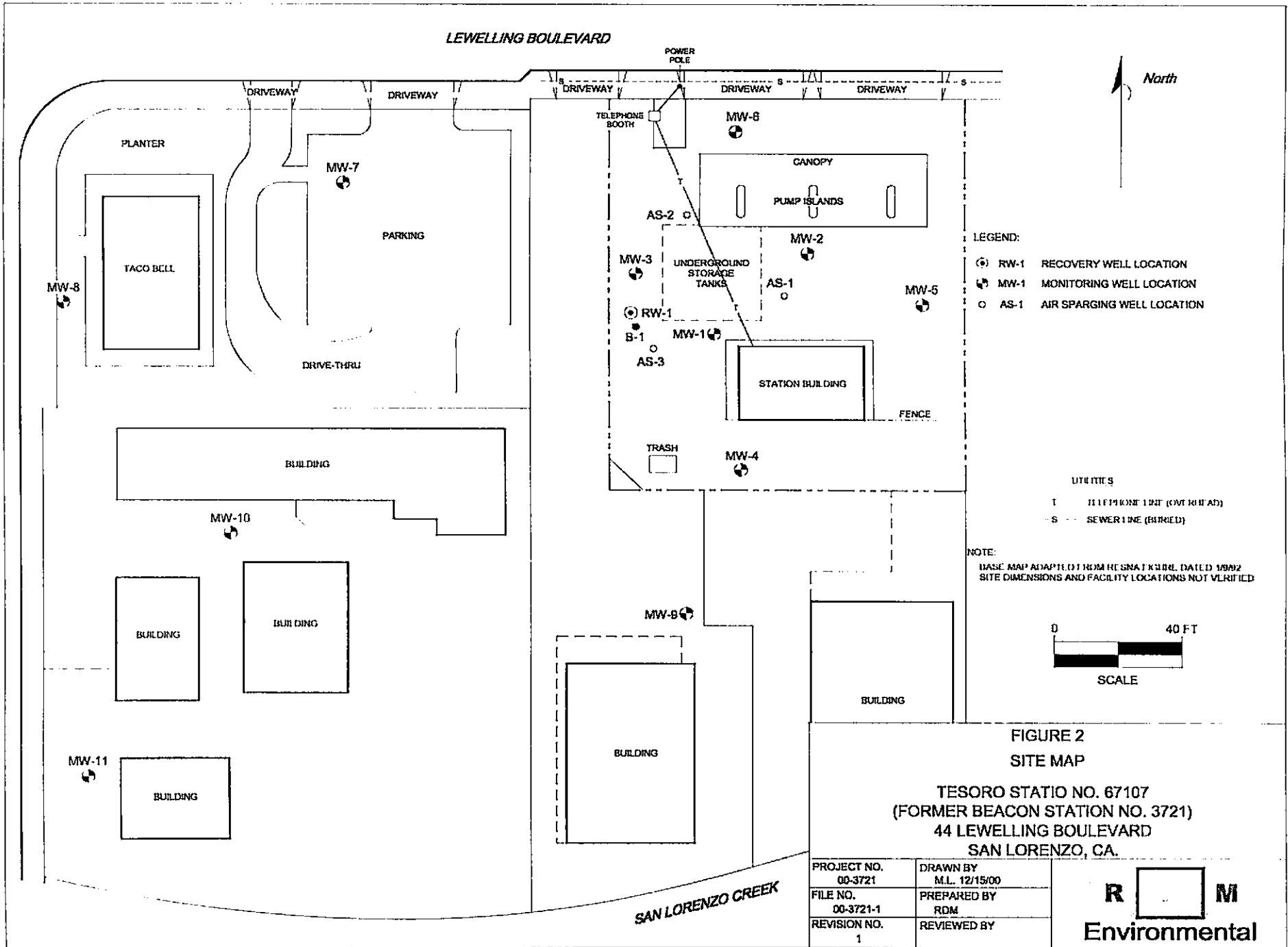


FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

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

R  M
 Environmental

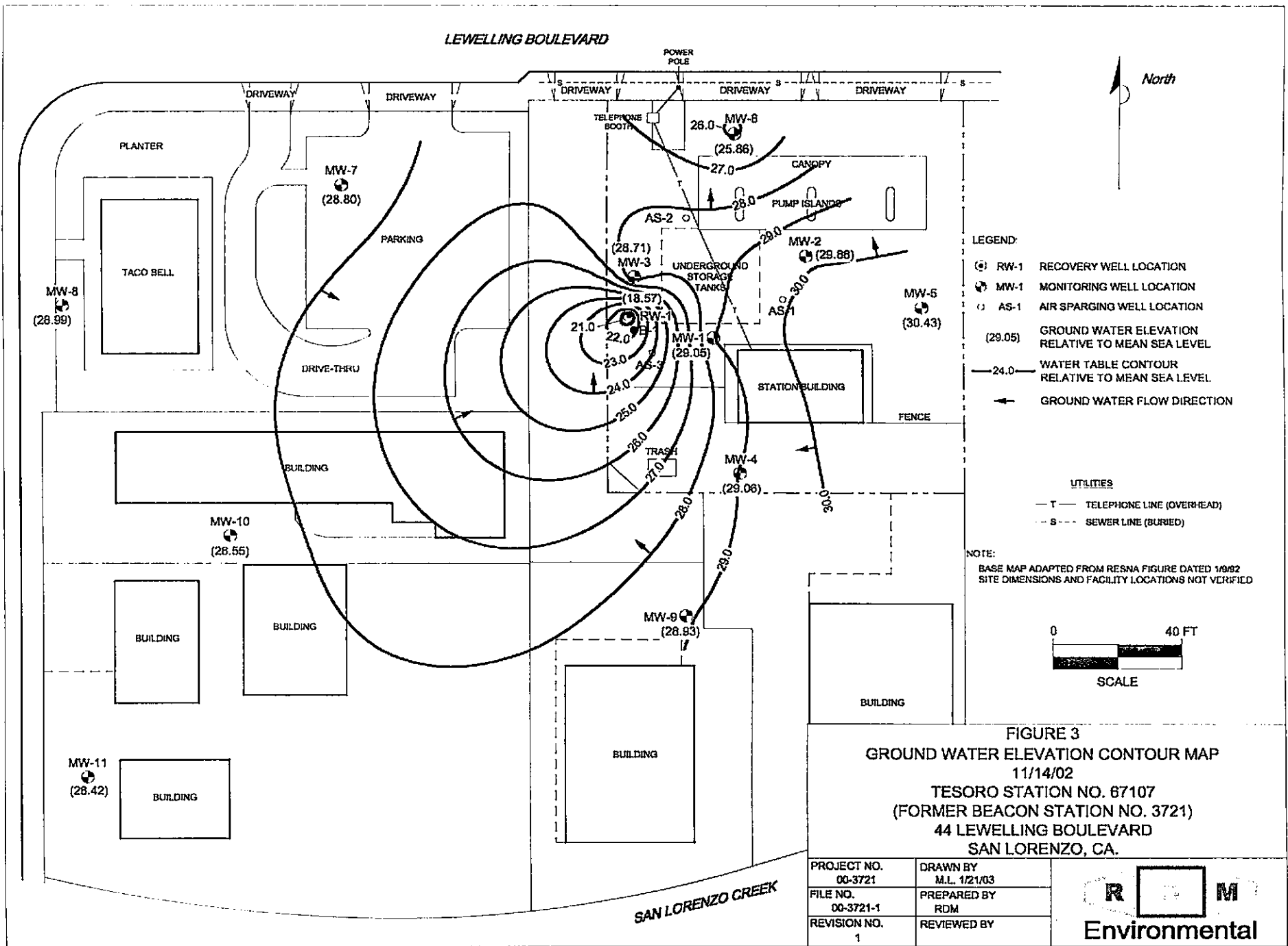


**FIGURE 2
 SITE MAP**

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

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





- LEGEND:**
- (⊕) RW-1 RECOVERY WELL LOCATION
 - (⊙) MW-1 MONITORING WELL LOCATION
 - (○) AS-1 AIR SPARGING WELL LOCATION
 - (29.05) GROUND WATER ELEVATION RELATIVE TO MEAN SEA LEVEL
 - 24.0— WATER TABLE CONTOUR RELATIVE TO MEAN SEA LEVEL
 - ← GROUND WATER FLOW DIRECTION

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

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

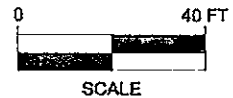
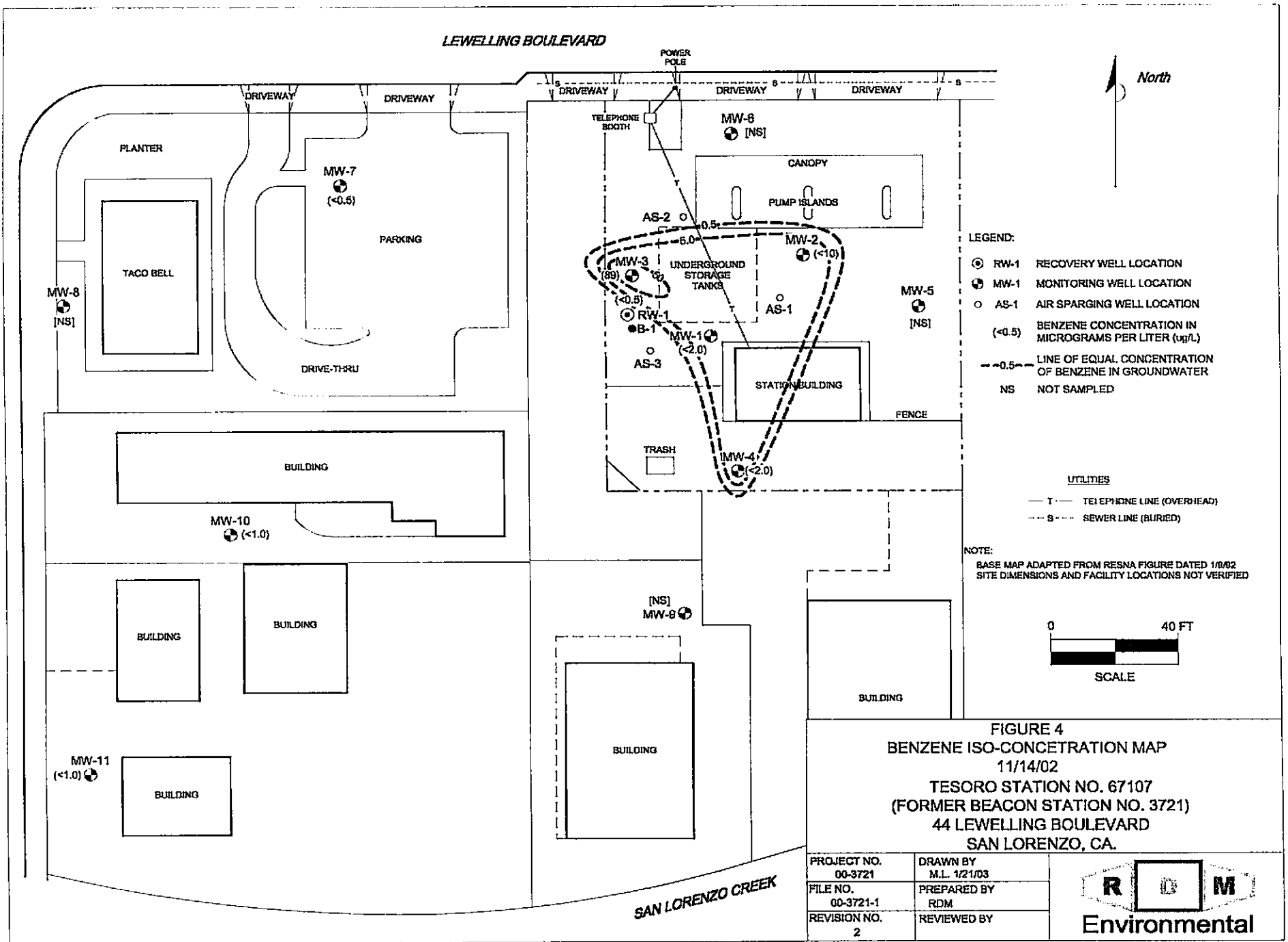
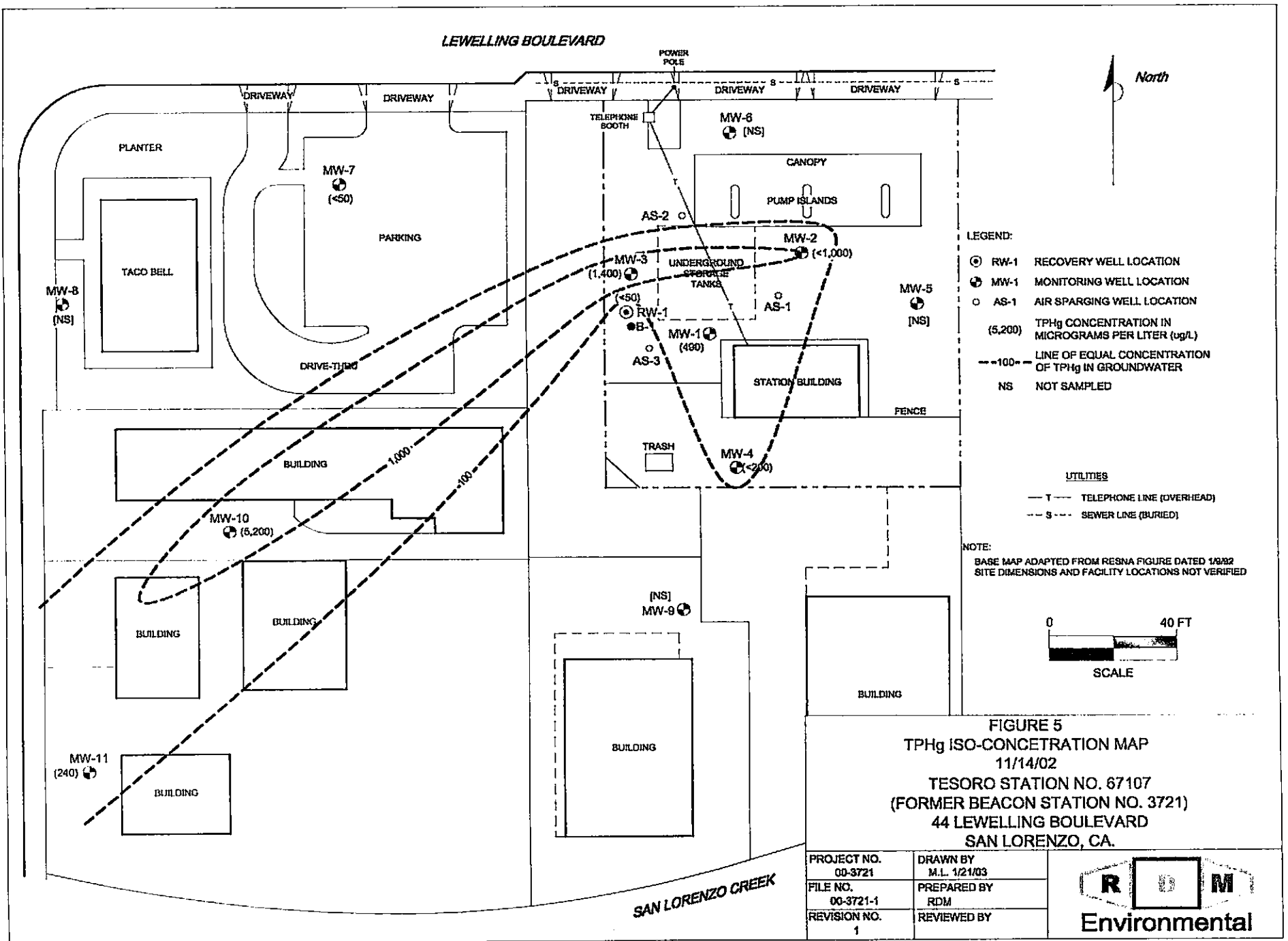


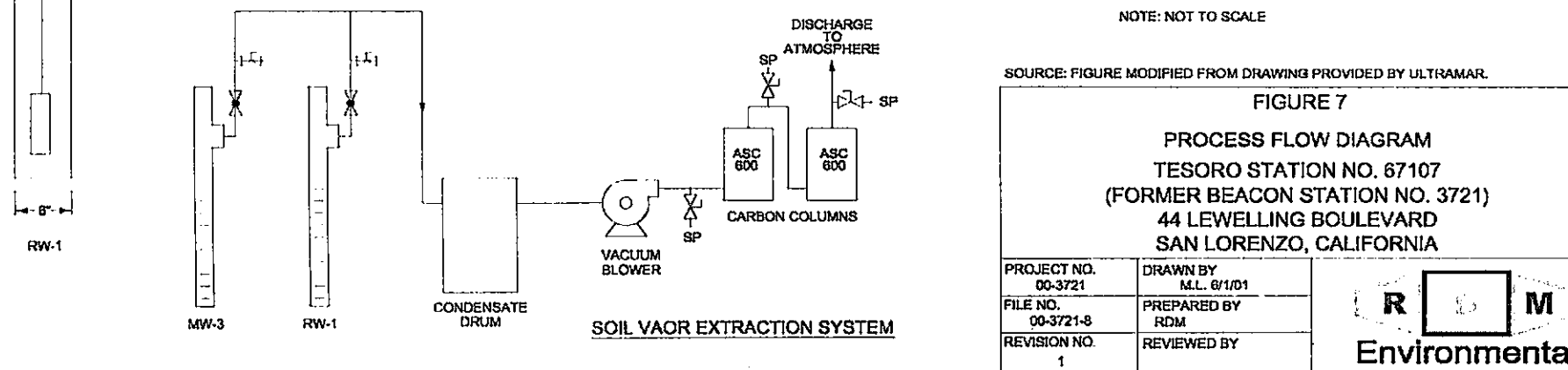
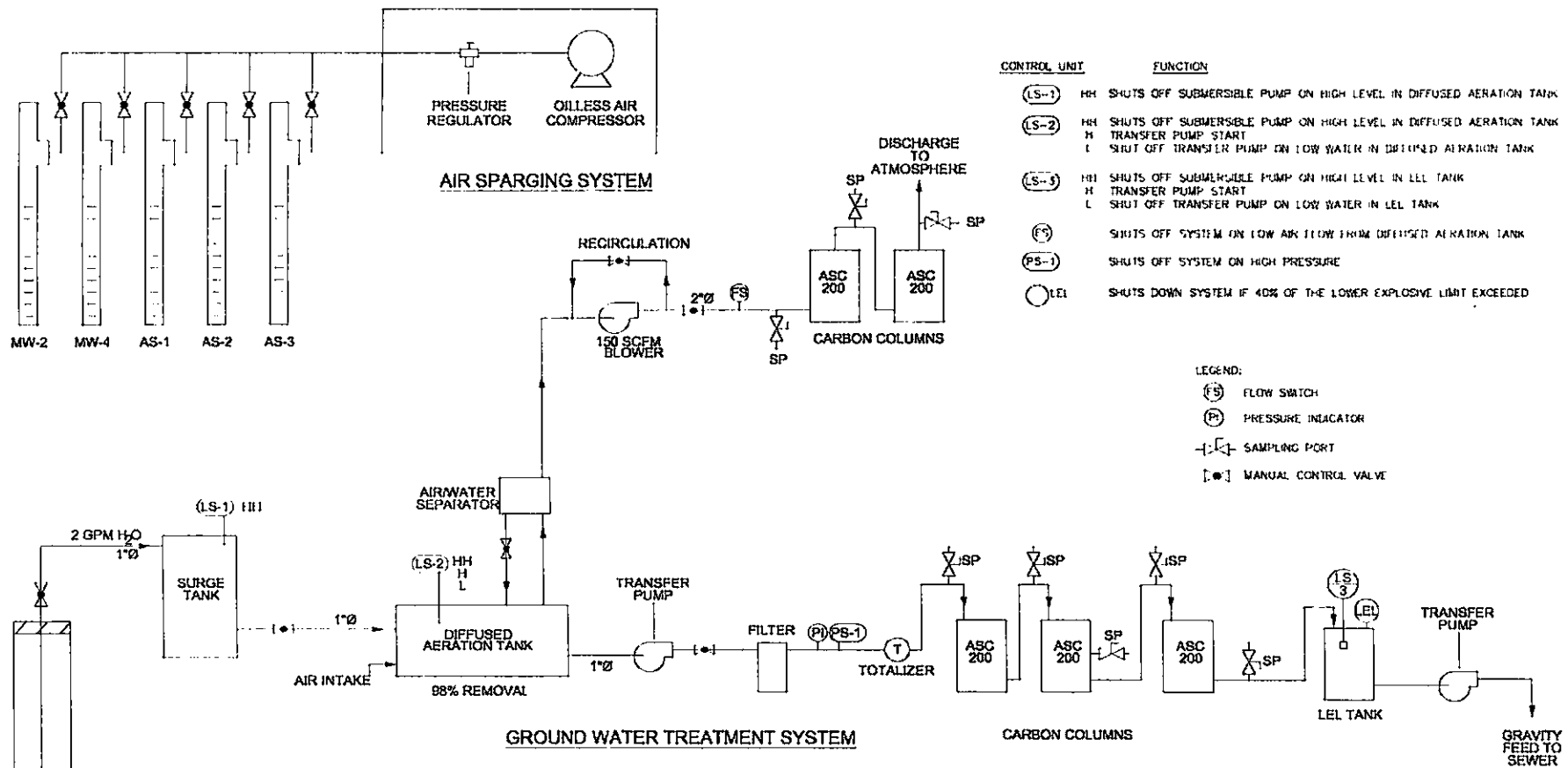
FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
 11/14/02
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 1/21/03
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY









SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY ULTRAMAR.

FIGURE 7

PROCESS FLOW DIAGRAM
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

PROJECT NO. 00-3721	DRAWN BY M.L. 6/1/01
FILE NO. 00-3721-8	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



R.2 W.

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



QUADRANGLE LOCATION



SCALE

FIGURE 8
 DOMESTIC WELL 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. 2/25/03
FILE NO. 00-3721-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



HISTORICAL BACKGROUND INFORMATION

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

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

CONTINUED NEXT PAGE

HISTORICAL BACKGROUND INFORMATION

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

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

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

Project Address: 44 Lewelling Blvd.

Date: 11-14-02

San Lorenzo

Project No.: 67107

Recorded by: _____

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW-1	2:01		16.93	33.64				
MW-2	1:58		15.35	34.35				UNDER VAC.
MW-3	1:41		16.50	34.23				UNDER VAC.
MW-4	1:37		17.92	24.45				
MW-5	1:53		15.69	29.30				
MW-6	1:50		18.93	28.43				
MW-7	1:30		15.05	24.17				
MW-8	1:27		15.86	22.99				
MW-9	1:34		18.33	23.57				
MW-10	1:23		16.10	29.40				
MW-11	1:20		18.94	29.34				
RW-1	1:46		24.83	34.10				

Notes:

Client: Tesoro 67107

Sampling Date: 11-14-09

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-1

Is setup of traffic control devices required? NO YES

Is there standing water in the well box? NO YES

Is top of casing cut level? NO YES

Is well cap sealed and locked? NO YES

Height of well casing riser (in inches): 10

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

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____

12" CNI 36" CNI _____ 12" Pomeco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

time: _____ hours

Above TOC _____ Below TOC _____

If no, see remarks

If no, see remarks

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

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement

Time: 2:01

Depth of well: 33.64

Depth to water: 16.93

Recharge Measurement

Time: 3:35

Depth to water: 17.80

Calculated purge: 10.7

Actual purge: 10.7

Start purge: 3:25

Sampling time: 3:36

Time	Temperature	E.C.	pH	Turbidity	Volume
3:26	68.6	740	7.20		1
3:27	69.3	711	7.14		2
3:28	69.6	708	7.13		3
3:29	70.1	704	7.10		4

Sample appearance: clear

Lock: 3753

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: _____

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Client: Tesoro 67107

Sampling Date: 11-14-02

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-2

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

NO YES
NO YES
NO YES
NO YES

time: _____ hours
 Above TOC Below TOC
 If no, see remarks
 If no, see remarks

Height of well casing riser (in inches): 4

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

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____

12" CNI X 36" CNI _____ 12" Pomoco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X Fair _____ Poor _____

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

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement

Time: 1:58

Depth of well: 34.75

Depth to water: 15.35

Recharge Measurement

Time: 4:11

Depth to water: 16.90

Calculated purge: 12.1

Actual purge: 12.1

Start purge: 4:04

Sampling time: 4:12

Time	Temperature	E.C.	pH	Turbidity	Volume
4:06	70.5	510	7.13		1
4:07	71.4	508	7.06		2
4:08	71.6	341	7.01		3
4:09	72.3	336	7.00		4

Sample appearance: Clear

Lock: 3753

Equipment replaced: (check all that apply)

2" Locking Cap: _____

4" Locking Cap: _____

6" Locking Cap: _____

Note condition of replaced item(s)

Lock: _____ 7/32 Allenhead: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Client: Tesoro 67107

Sampling Date: 11-14-02

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-3

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 _____

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

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement

Time: 1:41

Depth of well: 34.23

Depth to water: 16.50

Recharge Measurement

Time: 3:55

Depth to water: 17.80

Calculated purge: 11.3

Actual purge: 11.3

Start purge: 3:44

Sampling time: 3:56

Time	Temperature	E.C.	pH	Turbidity	Volume
3:45	75.3	800	7.31		1
3:46	75.0	760	7.26		2
3:47	75.1	750	7.20		3
3:48	75.2	740	7.18		4

Sample appearance: clear

Lock: 3753

Equipment replaced: (check all that apply)

2" Locking Cap: _____

4" Locking Cap: _____

6" Locking Cap: _____

Note condition of replaced item(s)

Lock: _____ 7/32 Allenhead: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Client: Tesoro 67107

Sampling Date: 11-14-09

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

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 _____

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

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 1:37 Time: 3:17 Calculated purge: 4.1
 Depth of well: 24.45 Depth to water: 18.13 Actual purge: 4.2
 Depth to water: 17.92

Start purge: 3:06 Sampling time: 3:18

Time	Temperature	E.C.	pH	Turbidity	Volume
3:07	73.8	1045	7.31		1
3:08	74.1	1006	7.26		2
3:09	74.2	941	7.20		3
3:10	74.4	910	7.16		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: _____

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Tesoro 67107

Sampling Date: 11-14-02

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-7

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): 2

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

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP

12" CNI _____ 36" CNI _____ 12" Pomeco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

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

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement

Recharge Measurement

Time: 1:30

Time: 2:53

Calculated purge: 5.8

Depth of well: 24.17

Depth to water: 16.18

Actual purge: 5.8

Depth to water: 15.05

Start purge: 2:40

Sampling time: 2:56

Time	Temperature	E.C.	pH	Turbidity	Volume
2:41	71.6	803	7.34		1
2:42	72.0	760	7.30		2
2:43	73.1	751	7.22		3
2:44	72.4	740	7.18		4

Sample appearance: clear

Lock: Dolphin

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: _____

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Client: Tesoro 67107

Sampling Date: 11-14-09

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-10

Is setup of traffic control devices required? NO YES

time: _____ hours

Is there standing water in the well box? NO YES

Above TOC _____ Below TOC _____

Is top of casing cut level? NO YES

If no, see remarks

Is well cap sealed and locked? NO YES

If no, see remarks

Height of well casing riser (in inches): 10

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

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____

12" CNI _____ 36" CNI _____ 12" Pomeco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

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

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement

Recharge Measurement

Time: 1:23

Time: 2:31

Calculated purge: 8.5

Depth of well: 29.40

Depth to water: 17.80

Actual purge: 8.5

Depth to water: 16.10

Start purge: 2:19

Sampling time: 2:33

Time	Temperature	E.C.	pH	Turbidity	Volume
2:20	72.6	1061	7.40		1
2:21	72.8	1040	7.36		2
2:22	73.1	991	7.31		3
2:23	73.9	980	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: _____

Client: Tesoro 67107

Sampling Date: 11-14-02

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

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

time: _____ hours
 Above TOC _____ Below TOC
 If no, see remarks
 If no, see remarks

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

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

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier: 0.16 _____ 0.65 _____ 1.47 _____ 2.61 gal/ft.
Initial Measurement Time: 1:20 Recharge Measurement Time: 2:15 Calculated purge: 6.6
 Depth of well: 29.34 Depth to water: 19.30 Actual purge: 6.6
 Depth to water: 18.94

Start purge: 2:08 Sampling time: 2:16

Time	Temperature	E.C.	pH	Turbidity	Volume
2:09	70.6	610	7.60		1
2:09	71.3	601	7.50		2
2:10	72.0	561	7.41		3
2:11	72.0	530	7.40		4

Sample appearance: clear Lock: Dolphins

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: _____

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Tesoro 67107

Sampling Date: 11-14-09

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: RW-1

Is setup of traffic control devices required? NO YES

Is there standing water in the well box? NO YES

Is top of casing cut level? NO YES

Is well cap sealed and locked? NO YES

Height of well casing riser (in inches): 10

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

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____

12" CNI _____ 36" CNI X 12" Pomeco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X 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 X Centrifugal pump

Sampled with: Disposable bailer _____ 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

Time: 1:46

Depth of well: 34.10

Depth to water: 24.83

Recharge Measurement

Time: NA

Depth to water: NA

Calculated purge: _____

Actual purge: NA

Start purge: NA

Sampling time: 4:30

Time	Temperature	E.C.	pH	Turbidity	Volume

Sample appearance: clear

Lock: NA

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: _____

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

ENCLOSURE C

Ground Water Monitoring
Analytical Results



Report Number : 29843

Date : 11/27/02

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 8 Water Samples
Project Name : Tesoro
Project Number : 67107 San Lorenzo
P.O. Number : AFE 023139623

Dear Mr. Munsch,

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

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

Sincerely,

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 : 29843

Date : 11/27/02

Project Name : **Tesoro**

Project Number : **67107 San Iorenzo**

Sample : **MW-1**

Matrix : Water

Lab Number : 29843-01

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Toluene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	900	2.0	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Tert-Butanol	< 20	20	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	490	200	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	11/22/02

Approved By: Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San lorenzo

Sample : MW-2

Matrix : Water

Lab Number : 29843-02

Sample Date :11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 10	10	ug/L	EPA 8260B	11/22/02
Toluene	< 10	10	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 10	10	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 10	10	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	3200	10	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 10	10	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 10	10	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 10	10	ug/L	EPA 8260B	11/22/02
Tert-Butanol	120	100	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	< 1000	1000	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	112		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	83.2		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-3

Matrix : Water

Lab Number : 29843-03

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	89	10	ug/L	EPA 8260B	11/22/02
Toluene	< 10	10	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 10	10	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 10	10	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	2800	10	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 10	10	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 10	10	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 10	10	ug/L	EPA 8260B	11/22/02
Tert-Butanol	210	100	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	1400	1000	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	112		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-4

Matrix : Water

Lab Number : 29843-04

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Toluene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	700	2.0	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	11/22/02
Tert-Butanol	< 20	20	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	< 200	200	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San lorenzo

Sample : MW-7

Matrix : Water

Lab Number : 29843-05

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	0.64	0.50	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San lorenzo

Sample : MW-10

Matrix : Water

Lab Number : 29843-06

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Toluene	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Ethylbenzene	2.2	1.0	ug/L	EPA 8260B	11/22/02
Total Xylenes	6.4	1.0	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	280	1.0	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Tert-Butanol	13	10	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	5200	100	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-11

Matrix : Water

Lab Number : 29843-07

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Toluene	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	380	1.0	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 1.0	1.0	ug/L	EPA 8260B	11/22/02
Tert-Butanol	< 10	10	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	240	100	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	11/22/02

Approved By:  Joel Kiff



Report Number : 29843

Date : 11/27/02

Project Name : Tesoro

Project Number : 67107 San lorenzo

Sample : RW-1

Matrix : Water

Lab Number : 29843-08

Sample Date : 11/14/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Methyl-t-butyl ether (MTBE)	170	0.50	ug/L	EPA 8260B	11/18/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/18/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/18/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/18/02
4-Bromofluorobenzene (Surr)	86.6		% Recovery	EPA 8260B	11/18/02

Approved By: Joel Kiff

Report Number : 29843

Date : 11/27/02

QC Report : Method Blank Data

Project Name : **Tesoro**

Project Number : **67107 San lorenzo**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/22/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/22/02
Toluene - d8 (Surr)	102		%	EPA 8260B	11/22/02
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	11/22/02

Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/18/02
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/18/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/18/02
Toluene - d8 (Surr)	95.8		%	EPA 8260B	11/18/02
4-Bromofluorobenzene (Surr)	89.5		%	EPA 8260B	11/18/02

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

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

Approved By:  Joel Kiff

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 29843

Date : 11/27/02

Project Name : **Tesoro**

Project Number : **67107 San lorenzo**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29843-05	<0.50	39.8	39.4	41.7	40.6	ug/L	EPA 8260B	11/22/02	105	103	1.54	70-130	25
Toluene	29843-05	<0.50	39.8	39.4	42.1	40.5	ug/L	EPA 8260B	11/22/02	106	103	2.94	70-130	25
Tert-Butanol	29843-05	<5.0	199	197	201	198	ug/L	EPA 8260B	11/22/02	101	101	0.416	70-130	25
Methyl-t-Butyl Ether	29843-05	0.64	39.8	39.4	46.8	43.7	ug/L	EPA 8260B	11/22/02	116	109	5.78	70-130	25
Benzene	29778-01	43	40.0	40.0	86.6	82.1	ug/L	EPA 8260B	11/18/02	108	97.3	10.8	70-130	25
Toluene	29778-01	1.6	40.0	40.0	38.5	36.5	ug/L	EPA 8260B	11/18/02	92.3	87.2	5.63	70-130	25
Tert-Butanol	29778-01	<5.0	200	200	204	189	ug/L	EPA 8260B	11/18/02	102	94.7	7.35	70-130	25
Methyl-t-Butyl Ether	29778-01	<0.50	40.0	40.0	40.2	36.6	ug/L	EPA 8260B	11/18/02	101	91.5	9.50	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 29843

Date : 11/27/02

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/22/02	96.2	70-130
Toluene	40.0	ug/L	EPA 8260B	11/22/02	99.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/22/02	94.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/22/02	108	70-130
Benzene	40.0	ug/L	EPA 8260B	11/18/02	95.6	70-130
Toluene	40.0	ug/L	EPA 8260B	11/18/02	91.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/18/02	98.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/18/02	94.1	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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



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

Lab No. 29843 Page 1 of 1

Project Contact (Hardcopy or PDF to):
 Richard Munsch

Company/Address:
 RDM

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

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

Project Name: Tesoro

EDF Report? Yes No

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

Global ID: T0600101414

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

Project Address: San Lorenzo

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container		Preservative				Matrix		Analysis Request										TAT	For Lab Use Only								
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1.2 DCA & 1.2 EDB - 8260B)	EPA 8260B (Full List)		Volatile Halocarbons (EPA 8260B)	Lead (7421239-2)	TOTAL (X) W.E.T. (X)	12 hr / 24 hr / 48 hr / 72 hr / 1 wk				
MU-1	11-14-09	3:36	3		X	X			X						X															
MU-2		4:12																												-01
MU-3		3:56																												-02
MU-4		3:18																												-03
MU-7		2:56																												-04
MU-10		2:33																												-05
MU-11		2:16																												-06
RW-1		4:30																												-07
																														-08

Relinquished by: [Signature] Date: [] Time: [] Received by: []

Relinquished by: [Signature] Date: [] Time: [] Received by: []

Relinquished by: [] Date: 11/15/02 Time: 1911 Received by Laboratory: [Signature] Bill to: ROB DONOVAN

Remarks:

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



Report Number : 30917

Date : 1/17/03

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 2 Water Samples
Project Name : Former Beacon 3721
Project Number : 67107
P.O. Number : 67107

Dear Mr. Munsch,

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

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

Sincerely,

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 : 30917

Date : 1/17/03

Project Name : Former Beacon 3721

Project Number : 67107

Sample : 15808

Matrix : Water

Lab Number : 30917-02

Sample Date :1/14/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/17/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/17/03
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	1/17/03
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	1/17/03

Approved By:  Joel Kiff

QC Report : Method Blank Data

Project Name : **Former Beacon 3721**

Project Number : **67107**

Report Number : 30917

Date : 1/17/03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	1/17/03
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	1/17/03
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/17/03
Toluene - d8 (Surr)	98.9		%	EPA 8260B	1/17/03
4-Bromofluorobenzene (Surr)	99.3		%	EPA 8260B	1/17/03

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

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

Approved By:  Joel Kiff

Report Number : 30917

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 1/17/03


Project Name : **Former Beacon 3721**

Project Number : **67107**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	30927-04	<0.50	20.0	20.0	20.3	20.1	ug/L	EPA 8260B	1/17/03	101	100	1.31	70-130	25
Toluene	30927-04	<0.50	20.0	20.0	20.6	20.4	ug/L	EPA 8260B	1/17/03	103	102	1.46	70-130	25
Tert-Butanol	30927-04	<5.0	100	100	103	99.1	ug/L	EPA 8260B	1/17/03	103	98.9	4.00	70-130	25
Methyl-t-Butyl Ether	30927-04	<0.50	20.0	20.0	19.1	18.8	ug/L	EPA 8260B	1/17/03	95.6	93.6	2.04	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  _____
Joel Kiff

QC Report : Laboratory Control Sample (LCS)

Report Number : 30917

Date : 1/17/03

Project Name : **Former Beacon 3721**

Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	20.0	ug/L	EPA 8260B	1/16/03	100	70-130
Toluene	20.0	ug/L	EPA 8260B	1/16/03	101	70-130
Tert-Butanol	100	ug/L	EPA 8260B	1/16/03	101	70-130
Methyl-t-Butyl Ether	20.0	ug/L	EPA 8260B	1/16/03	93.6	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

Project Contact (Hardcopy or PDF/To): Richard A. Munsel
 Company/Address: RAM Environmental
 Phone No.: (916) 771-7098 FAX No.: (916) 771-4584
 Project Number: 6707 P.O. No.: 67107
 Project Name: Former Beaman 3721
 Project Address: 44 Levelling Blvd, San Lorenzo, CA

Chain-of-Custody Record and Analysis Request

California EDF Report? Yes No
 Recommended but not mandatory to complete this section:
 Sampling Company Log Code: _____

Analysis Request

Global ID: _____
 EDF Deliverable To (Email Address): _____
 Sampler Signature: [Signature]

Analysis Request	TAT
BTEX (8021B) BTEX/TPH Gas/MTBE (8021B/8015) TPH as Diesel (M8015) TPH as Motor Oil (M8015) TPH Gas/BTEX/MTBE (8260B) 5 Oxygenates/TPH Gas/BTEX (8260B) 7 Oxygenates/TPH Gas/BTEX (8260B) 5 Oxygenates (8260B) 7 Oxygenates (8260B) Lead Scav. (1.2 DCA & 1.2 EDB - 8260B) EPA 8260B (Full List) Volatile Halocarbons (EPA 8260B) Lead (7421/239.2) TOTAL (X) W.E.T. (X)	12 hr / 24 hr / 48 hr / 72 hr / 1 wk For Lab Use Only

Sample Designation	Sampling		Container				Preservative				Matrix	
	Date	Time	40 ml VOA	SLEEVE			HCl	HNO ₃	ICE	NONE	WATER	SOIL

15800	1/14/03	3:20	?				X	X			W	
15808	1/14/03	7:28	?				X	X			W	

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

Relinquished by Laboratory: Hannah Brown KIFF

Remarks: STAT

Bill to: Teresa Petulano / Rob Donovan



Report Number : 29302

Date : 10/23/02

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 29302

Date : 10/23/02

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

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with samples H2O-Inf, H2O-DAT-Eff, H2O-MID1, H2O-MID2 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style and is positioned above a horizontal line.

Approved By: Joel Kiff



Report Number : 29302

Date : 10/23/02

Project Name : 67107

Project Number : 67107

Sample : H2O-Inf

Matrix : Water

Lab Number : 29302-01

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Methyl-t-butyl ether (MTBE)	150	5.0	ug/L	EPA 8260B	10/23/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/23/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/23/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/23/02

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 29302-02

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Methyl-t-butyl ether (MTBE)	69	5.0	ug/L	EPA 8260B	10/23/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/23/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/23/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/23/02

Approved By: Joel Kiff

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



Report Number : 29302

Date : 10/23/02

Project Name : 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 29302-03

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/23/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/23/02
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/23/02
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	10/23/02


Sample : H2O-MID2

Matrix : Water

Lab Number : 29302-04

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/23/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/23/02
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/23/02
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	10/23/02

Approved By:  Joel Kiff



Report Number : 29302

Date : 10/23/02

Project Name : 67107

Project Number : 67107

Sample : H2O-Eff

Matrix : Water

Lab Number : 29302-05

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/23/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/23/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/23/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/23/02
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	10/23/02

Approved By:  Joel Kiff

Report Number : 29302

Date : 10/23/02

QC Report : Method Blank Data

Project Name : **67107**


Project Number : **67107**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/22/02
Toluene - dB (Surr)	98.5		%	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	10/22/02
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/22/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/22/02
Toluene - dB (Surr)	101		%	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	95.0		%	EPA 8260B	10/22/02

<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

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

Approved By:  Joel Kiff

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67107

Project Number : 67107

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29293-05	<0.50	40.0	40.0	40.1	39.8	ug/L	EPA 8260B	10/23/02	100	99.4	0.776	70-130	25
Toluene	29293-05	<0.50	40.0	40.0	37.7	37.4	ug/L	EPA 8260B	10/23/02	94.2	93.4	0.773	70-130	25
Tert-Butanol	29293-05	<5.0	200	200	199	200	ug/L	EPA 8260B	10/23/02	99.4	100	0.711	70-130	25
Methyl-t-Butyl Ether	29293-05	67	40.0	40.0	118	122	ug/L	EPA 8260B	10/23/02	128	137	6.40	70-130	25
Benzene	29293-01	<0.50	40.0	40.0	39.8	38.2	ug/L	EPA 8260B	10/22/02	99.4	95.5	4.05	70-130	25
Toluene	29293-01	<0.50	40.0	40.0	42.9	40.7	ug/L	EPA 8260B	10/22/02	107	102	5.17	70-130	25
Tert-Butanol	29293-01	<5.0	200	200	192	189	ug/L	EPA 8260B	10/22/02	95.9	94.5	1.45	70-130	25
Methyl-t-Butyl Ether	29293-01	<0.50	40.0	40.0	43.7	43.0	ug/L	EPA 8260B	10/22/02	109	107	1.66	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 29302

Date : 10/23/02


QC Report : Laboratory Control Sample (LCS)

Project Name : 67107

Project Number : 67107

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/22/02	101	70-130
Toluene	40.0	ug/L	EPA 8260B	10/22/02	90.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/22/02	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/22/02	97.6	70-130
Benzene	40.0	ug/L	EPA 8260B	10/22/02	92.9	70-130
Toluene	40.0	ug/L	EPA 8260B	10/22/02	99.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/22/02	88.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/22/02	99.8	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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



October 28, 2002

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

Subject: **CalScience Work Order No.: 02-10-1388**
Client Reference: 67107

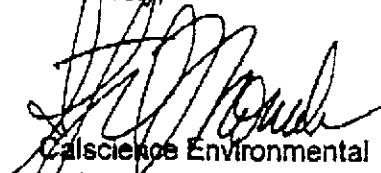
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/23/02 and analyzed in accordance with the attached chain-of-custody.

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

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

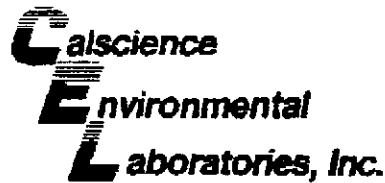
Sincerely,



CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Michael J. Crisostomo
Quality Assurance Manager



ANALYTICAL REPORT

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

Date Received: 10/23/02
 Work Order No: 02-10-1388
 Preparation: N/A
 Method: EPA 410.4

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-err	02-10-1388-1	10/21/02	Aqueous	N/A	10/23/02	210280081

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	13	5	1		mg/L
Method: Blank				N/A	

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

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

7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



ANALYTICAL REPORT

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

Date Received: 10/23/02
 Work Order No: 02-10-1388
 Preparation: N/A
 Method: EPA 160.2

Project: 67107

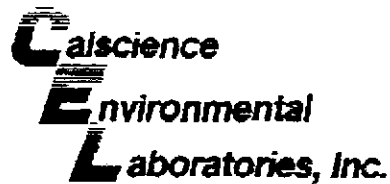
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-ET	02-10-1388-1	10/21/02	Aqueous	N/A	10/23/02	210231388

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

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

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



Quality Control - Duplicate

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

Date Received: 10/23/02
Work Order No: 02-10-1388
Preparation: N/A
Method: EPA 410.4

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-10-1388-1	Aqueous	UV-2	N/A	10/25/02	2102500D1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	1000	1000	2	0-25	



Quality Control - Duplicate

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

Date Received: 10/23/02
Work Order No: 02-10-1388
Preparation: N/A
Method: EPA 160.2

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-10-1376-2	Aqueous	NA	N/A	10/23/02	2102378501

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualities
Solids, Total Suspended	3.3	2.8	16	0-25	



GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-10-1388

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



WORK ORDER #: 02-10-138 ✓

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIGHT

DATE: 10/23/02

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: [Signature]

CUSTODY SEAL INTACT:

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

Initial: [Signature]

SAMPLE CONDITION:

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

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.



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

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

Lab No. 1388 Page 1 of 1

Project Contact (Hardcopy or PDF to):
 Joel Kiff

EDF Report? ___ Yes ___X___ No

Chain-of-Custody Record and Analysis Request

Company/Address:
 Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Analysis Request

Phone No.: FAX No.:

Sampling Company Log Code:

Project Number: 67107 P.O. No.: 29302

Global ID:

EDF Deliverable to (Email Address):

Project Name: 67107 E-mail address: inbox@kiffanalytical.com

Project Address: Sampling Container Preservative Matrix

Sample Designation

Sample Designation	Sampling		Container				Preservative					Matrix		COD	TSS	Date due:	For Lab Use Only	
	Date	Time	Glass Jar	Poly	Amber	Sleeve	HCl	HNO3	ICE	NONE	H2SO4	WATER	SOIL					
H2O-Eff	10/21/02	5:22		2						X	X	X			X	X	October 29, 2002	

Relinquished by: <i>Joel Kiff Analytical</i>	Date 10/22/02	Time 5:00	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 10/23/02	Time 08:30	Received by Laboratory: <i>[Signature]</i>

Remarks: Please return shipped coolers with temperature blank.

Bill to:

TOTAL P. 08

OCT-29-2002 12:47 CALSCIENCE 714 894 7501 P.08/08



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

Lab No. 29302

Page 1 of 1

Project Contact (Hardcopy or PDF To):
Richard Munsch

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

Global ID:

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

EDF Deliverable To (Email Address):

Project Name: 67107

Sampler Signature:
[Signature]

Project Address:
44 Lewelling Blvd.
San Lorenzo

Date	Time	Container				Preservative				Matrix		
		40 ml VOA	SLEEVE	Poly	Poly	HCl	HNO ₃	ICE	NONE	H ₂ SO ₄	WATER	SOIL

Sample Designation

Sample Designation	Date	Time	40 ml VOA	SLEEVE	Poly	Poly	HCl	HNO ₃	ICE	NONE	H ₂ SO ₄	WATER	SOIL
H ₂ O - Inf	10/21/02	5:30	2				X	X				X	
H ₂ O - DAT - eff	10/21/02	5:18	2				X	X				X	
H ₂ O - MID1	10/21/02	5:26	2				X	X				X	
H ₂ O - MID2	10/21/02	5:24	2				X	X				X	
H ₂ O - EFF	10/21/02	5:21	2	X	X		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 (7421/239.2) TOTAL (X) W.E.T. (X)	12 hr / 24 hr / 48 hr / 72 hr / 1 wk
				X							COO		
				X							TS		
				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:

Remarks: STAT

Bill to: Terow Petroleum
Rob Donovan

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



Report Number : 29995

Date : 12/5/2002

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 29995

Date : 12/5/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-INF

Matrix : Water

Lab Number : 29995-01

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Methyl-t-butyl ether (MTBE)	170	0.50	ug/L	EPA 8260B	11/25/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/25/2002
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/25/2002
4-Bromofluorobenzene (Surr)	89.2		% Recovery	EPA 8260B	11/25/2002

Sample : H2O-DAT-EFF

Matrix : Water

Lab Number : 29995-02

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Methyl-t-butyl ether (MTBE)	130	0.50	ug/L	EPA 8260B	11/25/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/25/2002
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	11/25/2002
4-Bromofluorobenzene (Surr)	92.3		% Recovery	EPA 8260B	11/25/2002

Approved By:  Joel Kiff

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



Report Number : 29995

Date : 12/5/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 29995-03

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Methyl-t-butyl ether (MTBE)	3.2	0.50	ug/L	EPA 8260B	11/25/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/25/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/25/2002
4-Bromofluorobenzene (Surr)	88.0		% Recovery	EPA 8260B	11/25/2002

Sample : H2O-MID2

Matrix : Water

Lab Number : 29995-04

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	90.3		% Recovery	EPA 8260B	11/26/2002

Approved By:  Joel Kiff



Report Number : 29995

Date : 12/5/2002

Project Name : 67107

Project Number : 67107

Sample : H2O-EFF

Matrix : Water

Lab Number : 29995-05

Sample Date : 11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/26/2002
Methyl-t-butyl ether (MTBE)	0.95	0.50	ug/L	EPA 8260B	11/26/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	90.0		% Recovery	EPA 8260B	11/26/2002

Approved By:  Joel Kiff

Report Number : 29995

Date : 12/5/2002

QC Report : Method Blank Data

Project Name : **67107**

Project Number : **67107**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/25/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/25/2002
Toluene - dB (Surr)	88.9		%	EPA 8260B	11/25/2002
4-Bromofluorobenzene (Surr)	87.9		%	EPA 8260B	11/25/2002

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

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 29995

Date : 12/5/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67107

Project Number : 67107

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29936-06	53	40.0	40.0	96.8	95.1	ug/L	EPA 8260B	11/25/02	110	106	3.81	70-130	25
Toluene	29936-06	0.80	40.0	40.0	33.6	33.6	ug/L	EPA 8260B	11/25/02	82.0	82.1	0.152	70-130	25
Tert-Butanol	29936-06	<5.0	200	200	183	181	ug/L	EPA 8260B	11/25/02	91.3	90.6	0.764	70-130	25
Methyl-t-Butyl Ether	29936-06	3.0	40.0	40.0	35.6	35.0	ug/L	EPA 8260B	11/25/02	81.3	80.0	1.58	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 29995

Date : 12/5/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : 67107

Project Number : 67107

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/25/02	95.6	70-130
Toluene	40.0	ug/L	EPA 8260B	11/25/02	93.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/25/02	92.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/25/02	89.0	70-130

KIFF ANALYTICAL, LLC

Approved By: 
Joel Kiff

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



December 04, 2002

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

Subject: **Calscience Work Order No.:** 02-11-1527
Client Reference: 67107

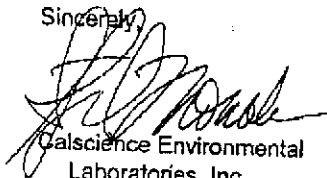
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/26/2002 and analyzed in accordance with the attached chain-of-custody.

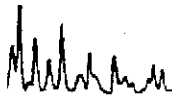
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows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

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

Sincerely,


Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager


Michael J. Crisostomo
Quality Assurance Manager





ANALYTICAL REPORT

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

Date Received: 11/26/02
Work Order No: 02-11-1527
Preparation: N/A
Method: EPA 410.4

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-EFF	02-11-1527-1	11/24/02	Aqueous	N/A	12/02/02	212020081

Parameter	Result	RL	DF	Qual	Units	
Chemical Oxygen Demand	10	5	1		mg/L	
Method Blank			099-05-062-1,338	N/A	Aqueous	
				N/A	12/02/02	212020081

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

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5484 • FAX: (714) 894-7501



ANALYTICAL REPORT

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

Date Received: 11/26/02
Work Order No: 02-11-1527
Preparation: N/A
Method: EPA 160.2

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-EFF	02-11-1527-1	11/24/02	Aqueous	N/A	11/26/02	21126T&SD1

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

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

7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Quality Control - Duplicate

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

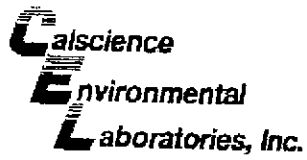
Date Received: 11/26/2002
Work Order No: 02-11-1527
Preparation: N/A
Method: EPA 410.4

Project: 07107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-11-1542-1	Aqueous	DV 3	N/A	12/02/02	212820001

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	1500	1500	1	0-25	

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



Quality Control - Duplicate

Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593	Date Received: Work Order No: Preparation: Method:	11/26/2002 02-11-1527 N/A EPA 160.2
Project: 67107		

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-11-1473-2	Aqueous	NA	NA	11/28/02	21128TSSD1

Parameter	Sample Conc.	DUP Conc	RPD	RPD Cl	Qualifier
Solids, Total Suspended	14	13	7	0-25	

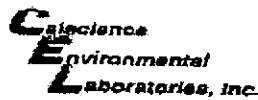
7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Work Order Number: 02-11-1527

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



7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



WORK ORDER #: 02-00-0527

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiah

DATE: 1/26/02

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:	LABORATORY (Other than CalScience Courier):
<input type="checkbox"/> Chilled, cooler with temperature blank provided.	<input checked="" type="checkbox"/> °C Temperature blank.
<input type="checkbox"/> Chilled, cooler without temperature blank.	<input type="checkbox"/> °C IR thermometer.
<input type="checkbox"/> Chilled and placed in cooler with wet ice.	<input type="checkbox"/> Ambient temperature.
<input type="checkbox"/> Ambient and placed in cooler with wet ice.	
<input type="checkbox"/> Ambient temperature.	
<input type="checkbox"/> °C Temperature blank.	

Initial: *[Signature]*

CUSTODY SEAL INTACT:

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

Initial: *[Signature]*

SAMPLE CONDITION:

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

Initial: *[Signature]*

COMMENTS:



2785 Second Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

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

Lab No. 1527 Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff				EDF Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Chain-of-Custody Record and Analysis Request									
Company/Address: Kiff Analytical, LLC				Recommended but not mandatory to complete this section:				Analysis Request									
Phone No.:		FAX No.:		Sampling Company Log Code:													
Project Number: 67107		P.O. No.:		Global ID:													
		29895		EDF Deliverable to (Email Address):													
Project Name: 67107				E-mail address: inbox@kiffanalytical.com													
Project Address:				Sampling		Container			Preservative				Matrix			Date Due:	
Sample Designation		Date	Time	Class Jar	Poly	Amber	Sleeve	HCl	HNO3	ICE	NONE	H2SO4	WATER	SDI	COD	SS	December 4, 2002
H2O-EFF		11/24/02	1:52		2					X	1	1	X		X	X	X
Relinquished by:		Date	Time	Received by:				Remarks:									
<i>Joel Kiff</i>		11/25/02	1:00	<i>[Signature]</i>													
Relinquished by:		Date	Time	Received by:													
Relinquished by:		Date	Time	Received by Laboratory:				Bill to:									
		11/27/02	1:30	<i>[Signature]</i>													

TOTAL P. 08



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

Lab No. 29995

Page 1 of 1

Project Contact (Hardcopy or PDF To):
Richard Munsch

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Company/Address:
RDM Environmental

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

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

Global ID: _____

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

EDF Deliverable To (Email Address): _____

Project Name:
67107

Sampler Signature:
[Signature]

Analysis Request

Project Address:
44 Lewelling Blvd.
San Lorenzo, CA

Sampling	Container				Preservative				Matrix		
	Date	Time	40 ml VOA	SLEEVE	Poly	HCl	HNO ₃	ICE	NONE	H ₂ SO ₄	WATER

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1.2 DCA & 1.2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	G.O.V	TSS	TAT
				X											12 hr/24 hr/48 hr/72 hr/1 wk
				X											-01
				X											-02
				X											-03
				X											-04
				X									X	X	-05

Sample Designation

H₂O - Inf
H₂O - PAT - eff
H₂O - MID2
H₂O - MID2
H₂O - eff

	<u>11/24/02</u>	<u>2:00</u>	<u>2</u>												
	<u>11/24/02</u>	<u>2:58</u>	<u>2</u>												
	<u>11/24/02</u>	<u>1:56</u>	<u>2</u>												
	<u>11/24/02</u>	<u>1:54</u>	<u>2</u>												
	<u>11/24/02</u>	<u>2:57</u>	<u>2</u>	<u>L</u>					<u>X</u>	<u>X</u>	<u>W</u>				

Relinquished by:
[Signature]

Date: _____ Time: _____ Received by: _____

Remarks: STAT

Relinquished by: _____

Date: _____ Time: _____ Received by: _____

Relinquished by: _____

Date: 11/25/02 Time: 1510 Received by Laboratory: W. T. Kiff Analytical

Bill to: Tesoro Petroleum
Rob Donnun



Report Number : 30551

Date : 12/27/02

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 30551

Date : 12/27/02

Project Name : 67107

Project Number : 67107

Sample : H2O-INF

Matrix : Water

Lab Number : 30551-01

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Methyl-t-butyl ether (MTBE)	150	0.50	ug/L	EPA 8260B	12/21/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/21/02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	12/21/02

Sample : H2O-DAT-EFF

Matrix : Water

Lab Number : 30551-02

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Methyl-t-butyl ether (MTBE)	120	0.50	ug/L	EPA 8260B	12/21/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/21/02
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	99.1		% Recovery	EPA 8260B	12/21/02

Approved By:  Joel Kiff



Report Number : 30551

Date : 12/27/02

Project Name : 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 30551-03

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Methyl-t-butyl ether (MTBE)	1.5	0.50	ug/L	EPA 8260B	12/21/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/21/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	12/21/02

Sample : H2O-MID2

Matrix : Water

Lab Number : 30551-04

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Methyl-t-butyl ether (MTBE)	0.57	0.50	ug/L	EPA 8260B	12/21/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/21/02
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	12/21/02

Approved By:  Joel Kiff



Report Number : 30551

Date : 12/27/02

Project Name : 67107

Project Number : 67107

Sample : H2O-EFF

Matrix : Water

Lab Number : 30551-05

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Methyl-t-butyl ether (MTBE)	0.71	0.50	ug/L	EPA 8260B	12/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/22/02
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	12/22/02
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	12/22/02

Approved By:  Joel Kiff

Report Number : 30551

Date : 12/27/02

QC Report : Method Blank Data

Project Name : **67107**

Project Number : **67107**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/21/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/21/02
Toluene - dB (Surr)	101		%	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	98.5		%	EPA 8260B	12/21/02
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/22/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/22/02
Toluene - dB (Surr)	97.1		%	EPA 8260B	12/22/02
4-Bromofluorobenzene (Surr)	99.1		%	EPA 8260B	12/22/02

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

Report Number : 30551

Date : 12/27/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67107

Project Number : 67107

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	30521-01	0.50	40.0	40.0	41.1	40.7	ug/L	EPA 8260B	12/21/02	102	100	1.09	70-130	25
Toluene	30521-01	0.65	40.0	40.0	40.0	39.5	ug/L	EPA 8260B	12/21/02	98.3	97.2	1.12	70-130	25
Tert-Butanol	30521-01	<5.0	200	200	201	204	ug/L	EPA 8260B	12/21/02	101	102	1.57	70-130	25
Methyl-t-Butyl Ether	30521-01	<0.50	40.0	40.0	40.0	40.0	ug/L	EPA 8260B	12/21/02	100	99.9	0.175	70-130	25
Benzene	30493-01	8.3	40.0	40.0	44.8	43.9	ug/L	EPA 8260B	12/22/02	91.0	88.9	2.39	70-130	25
Toluene	30493-01	12	40.0	40.0	49.0	48.4	ug/L	EPA 8260B	12/22/02	91.9	90.2	1.78	70-130	25
Tert-Butanol	30493-01	<5.0	200	200	195	194	ug/L	EPA 8260B	12/22/02	97.7	97.1	0.554	70-130	25
Methyl-t-Butyl Ether	30493-01	33	40.0	40.0	72.5	74.6	ug/L	EPA 8260B	12/22/02	99.0	104	5.22	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By: Joel Kiff



Report Number : 30551

Date : 12/27/02

QC Report : Laboratory Control Sample (LCS)

Project Name : 67107

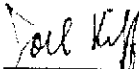
Project Number : 67107

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/21/02	102	70-130
Toluene	40.0	ug/L	EPA 8260B	12/21/02	98.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/21/02	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/21/02	98.0	70-130
Benzene	40.0	ug/L	EPA 8260B	12/22/02	96.9	70-130
Toluene	40.0	ug/L	EPA 8260B	12/22/02	98.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/22/02	99.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/22/02	107	70-130

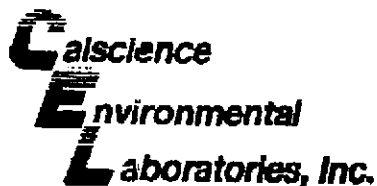
KIFF ANALYTICAL, LLC

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

Approved By:



Joel Kiff



December 31, 2002

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

Subject: **CalScience Work Order No.:** 02-12-1741
Client Reference: 67107

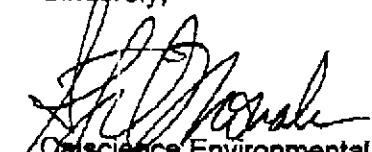
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/27/2002 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,



CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Michael J. Chisostomo
Quality Assurance Manager





ANALYTICAL REPORT

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

Date Received: 12/27/02
Work Order No: 02-12-1741
Preparation: N/A
Method: EPA 410.4

Project: 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-EFF	02-12-1741-1	12/20/02	Aqueous	N/A	12/27/02	212270081

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

Method Blank	02-05-062-1,381	N/A	Aqueous	N/A	12/27/02	212270081
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Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	ND	5.0	1		mg/L

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

7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 895-5484 • FAX: (714) 894-7501



ANALYTICAL REPORT

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

Date Received: 12/27/02
 Work Order No: 02-12-1741
 Preparation: N/A
 Method: EPA 160.2

Project: 67107

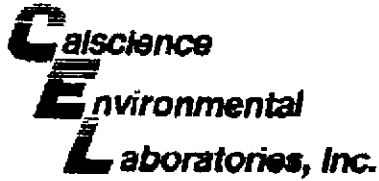
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-EFF	02-12-1741-1	12/26/02	Aqueous	N/A	12/27/02	21227T8501

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

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92641-1432 • TEL: (714) 896-5494 • FAX: (714) 894-7501



Quality Control - Duplicate

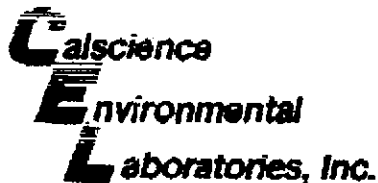
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 12/27/2002
Work Order No: 02-12-1741
Preparation: N/A
Method: EPA 410.4

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
02-12-1474-1	Aqueous	UV 9	N/A	12/27/02	2122700D1

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	1700	1700	1	0-25	



Quality Control - Duplicate

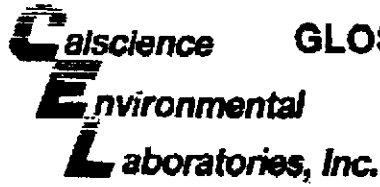
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 12/27/2002
Work Order No: 02-12-1741
Preparation: N/A
Method: EPA 160.2

Project: 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
H2O-EFF	Aqueous	NA	N/A	12/27/02	21227790D1

Parameter	Sample Conc.	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	ND	ND	NA	0-25	



GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 02-12-1741

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



WORK ORDER #: 02-12-1741

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL

DATE: 12/27/02

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than CalScience Courier):

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

Initial: Th

CUSTODY SEAL INTACT:

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

Initial: Th

SAMPLE CONDITION:

Table with 4 columns: Yes, No, N/A and 7 rows of sample condition checks, all marked with checkmarks.

Initial: Th

COMMENTS:

Blank lines for handwritten comments.



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

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

Lab No. 02-12-1741 Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff		EDF Report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chain-of-Custody Record and Analysis Request														
Company/Address: Kiff Analytical, LLC		Recommended but not mandatory to complete this section:										Analysis Request		Date Due:				
Phone No.:		FAX No.:		Global ID:						Total Suspended Solids		Chemical Oxygen Demand		December 31, 2002	For Lab Use Only			
Project Number: 87107		P.O. No.: 30551		EDF Deliverable to (Email Address):														
Project Name: 67107		E-mail address: inbox@kiffanalytical.com										Total Suspended Solids	Chemical Oxygen Demand	December 31, 2002	For Lab Use Only			
Project Address:		Sampling		Container			Preservative			Matrix								
Sample Designation		Date	Time	Glass Jar	Poly	Amber	Sleeve	HCl	HNO3	ICE	NONE	H2SO4	WATER	SOIL	Total Suspended Solids	Chemical Oxygen Demand	Date Due	For Lab Use Only
H2O-EFF		12/20/02	7:52	2							1	1	X		x	x		
Relinquished by: <i>Osama Albalawi</i>		Date 12/20/02	Time 17:59	Received by:	Remarks: *Rush TAT approved by Bob Stearns - Expiring samples													
Relinquished by:		Date	Time	Received by:														
Relinquished by:		Date 12/27	Time 9:00	Received by Laboratory: <i>[Signature]</i>	Bill to:													



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

Lab No. 30551 Page 1 of 1

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

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

Phone No.: (916) 771-7299 FAX No.: 916 771-4584
 Global ID:

Project Number: 67107 P.O. No.: 67107
 EDF Deliverable To (Email Address):

Project Name: 67107 Sampler Signature: [Signature]

Project Address: San Lorenzo CA

Sample Designation

Sample Designation	Sampling		Container		Preservative				Matrix			BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421239.2) TOTAL (X) W.E.T. (X)	TSS	COD	TAT	For Lab Use Only			
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	H ₂ O ₂	WATER	SOIL																				
H ₂ O - Inf	12/24/02	8:00	2			X		X							X																
H ₂ O - DAT - Eff	12/24/02	7:58	2			X		X							X																
H ₂ O - MIDZ	12/24/02	7:56	2			X		X							X																
H ₂ O - MIDZ	12/24/02	7:54	2			X		X							X																
H ₂ O - Eff	12/24/02	7:52	2			X		X	X	X					X																

Relinquished by: [Signature] Date: 12/24/02 Time: 9:45 Received by: _____

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

Relinquished by: _____ Date: 12/20/02 Time: 2:45 Received by Laboratory: KIFF ANALYTICAL

Chain-of-Custody Record and Analysis Request

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

Remarks: STAT

Bill to: Tesoro Petroleum
Rob Donovan



Report Number : 29300

Date : 10/23/02

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 29300

Date : 10/23/02

Project Name : 67107

Project Number : 67107

Sample : SVE-Inf

Matrix : Air

Lab Number : 29300-01

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	10/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	10/22/02
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	94.5		% Recovery	EPA 8260B	10/22/02


Sample : SVE-MID

Matrix : Air

Lab Number : 29300-02

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	10/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	10/22/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	93.2		% Recovery	EPA 8260B	10/22/02

Approved By:  Joel Kiff



Report Number : 29300

Date : 10/23/02

Project Name : 67107

Project Number : 67107

Sample : SVE-Eff

Matrix : Air

Lab Number : 29300-03

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	10/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	10/22/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	10/22/02

Sample : DAT-EFF

Matrix : Air

Lab Number : 29300-04

Sample Date :10/21/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	10/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	10/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	10/22/02
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/22/02
4-Bromofluorobenzene (Surr)	94.2		% Recovery	EPA 8260B	10/22/02

Approved By:  Joel Kiff



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

Lab No. 29300 Page 1 of 1

Project Contact (Hardcopy or PDF To):
Richard Munsch

Company/Address:
RPM Environmental

Phone No.: (16) 771-7098 FAX No.: (16) 771-4584

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

Project Name: 67107

California EDF Report? Yes No

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

Global ID: _____

EDF Deliverable To (Email Address): _____

Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Sampling		Container				Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only					
	Date	Time	40 ml VOA	SLEEVE	Teal	HCl	HNO ₃	ICE	NONE	WATER	SOIL																					
SVE - Inf	10/21/02	6:24		X													X															
SVE - MID	10/21/02	6:22		X													X														-01	
SVE - EFF	10/21/02	6:20		X													X														-02	
DAT - EFF	10/14/02	6:10		X					X								X														-03	
																																-04

Relinquished by: <u>[Signature]</u>	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	10/22/02	1439	<u>[Signature]</u> KIFF ANALYTICAL

Remarks: STAT

Bill to: Teroso Petroleum / Rob Pinovian



Report Number : 29996

Date : 12/3/2002

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,

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 : 29996

Date : 12/3/2002

Project Name : 67107

Project Number : 67107

Sample : SVE-INF

Matrix : Air

Lab Number : 29996-01

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Toluene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	11/26/2002
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	92.7		% Recovery	EPA 8260B	11/26/2002

Sample : SVE-MID

Matrix : Air

Lab Number : 29996-02

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Toluene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	11/26/2002
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	11/26/2002

Approved By:  Joel Kiff



Report Number : 29996

Date : 12/3/2002

Project Name : 67107

Project Number : 67107

Sample : SVE-EFF

Matrix : Air

Lab Number : 29996-03

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Toluene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	11/26/2002
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	11/26/2002

Sample : DAT-EFF

Matrix : Air

Lab Number : 29996-04

Sample Date :11/24/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Toluene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	11/26/2002
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	11/26/2002
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	11/26/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/26/2002
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	11/26/2002

Approved By:  Joel Kiff



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

Lab No. 29996 Page 1 of 1

Project Contact (Hardcopy or PDF To): Richard Munsel
 Company/Address: PYM Environmental
 Phone No.: (916) 771-7048 FAX No.: (916) 771-9514
 Project Number: 67107 P.O. No.: 67107
 Project Name: 67107
 Project Address: 414 Leavelle Blvd San Lorenzo, CA
 California EDF Report? Yes No
 Recommended but not mandatory to complete this section:
 Sampling Company Log Code: _____
 Global ID: _____
 EDF Deliverable To (Email Address): _____
 Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container				Preservative				Matrix		
	Date	Time	40 ml VOA	SLEEVE	Tag	HCl	HNO ₃	ICE	NONE	WATER	SOIL	Air	
SVE-Inf	11/24/02	2:20		X					X			X	
SVE-MID	11/24/02	2:18		X					X			X	
SVE-Off	11/24/02	2:16		X					X			X	
DAT-Off	11/24/02	2:12		X					X			X	

Analysis Request												TAT	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 hr/24 hr/48 hr/72 hr/1 wk
BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	

Relinquished by: [Signature] Date: _____ Time: _____ Received by: _____
 Relinquished by: _____ Date: _____ Time: _____ Received by: _____
 Relinquished by: _____ Date: 11/25/02 Time: 1515 Received by Laboratory: Rob W. T. Hall Analytical

Remarks: STAT
 Bill to: Teresa Paterson
Rob Ponsom



Report Number : 30546

Date : 12/30/02

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

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

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 30546

Date : 12/30/02

Project Name : Tesoro 67107

Project Number : 67107

Sample : SVE-INF

Matrix : Air

Lab Number : 30546-01

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Total Xylenes	0.050	0.050	ppmv	EPA 8260B	12/21/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	12/21/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	12/21/02
Toluene - d8 (Surr)	109		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	12/21/02

Sample : SVE-MID

Matrix : Air

Lab Number : 30546-02

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	12/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	12/22/02
Toluene - d8 (Surr)	95.6		% Recovery	EPA 8260B	12/22/02
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	12/22/02

Approved By:  Joel Kiff



Report Number : 30546

Date : 12/30/02

Project Name : Tesoro 67107

Project Number : 67107

Sample : SVE-EFF

Matrix : Air

Lab Number : 30546-03

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	12/21/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	12/21/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	12/21/02
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/21/02
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	12/21/02

Sample : DAT-EFF

Matrix : Air

Lab Number : 30546-04

Sample Date :12/20/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Toluene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	12/22/02
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	12/22/02
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	12/22/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	12/22/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	12/22/02

Approved By:  Joel Kiff



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

Lab No. 30546 Page 1 of 1

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

Company/Address: RAM Environmental
 Recommended but not mandatory to complete this section:
 Sampling Company Log Code: _____

Phone No.: (916) 771-9098 FAX No.: (916) 771-4584
 Global ID: _____

Project Number: 67107 P.O. No.: 67107
 EDF Deliverable To (Email Address): _____

Project Name: Teroso 67107
 Sample Signature: [Signature]

Project Address: Sun Lorenzo

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Sampling		Container				Preservative				Matrix		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)	TAT	12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only						
	Date	Time	40 ml VOA	SLEEVE	Twelve	HCl	HNO ₃	ICE	NONE	WATER	SOIL	AIR																							
SVE - Inf	12/20/02	8:00							X								X																		
SVE - MID	12/20/02	7:58							X								X																		
SVE - EFF	12/20/02	7:58							X								X																		
DAT - EFF	12/20/02	7:54							X								X																		

Relinquished by: [Signature] Date: 12/20/02 Time: 10:08 Received by: _____

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

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

Relinquished by: _____ Date: 122002 Time: 1008 Received by Laboratory: KIFF ANALYTICAL

Remarks: STAT

Bill to: Teroso Petroleum

[Signature]

AB2886 Electronic Delivery

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UPLOADING A GEO_WELL FILE

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

<u>Submittal Title:</u>	67107-Q402
<u>Submittal Date/Time:</u>	2/10/2003 10:55:26 PM
<u>Confirmation Number:</u>	4643269181

[Back to Main Menu](#)

Logged in as TESORO (AUTH_RP)

[CONTACT SITE ADMINISTRATOR.](#)

Richard D. Munsch

From: Donovan, Rob [RDonovan@tesoropetroleum.com]
Sent: Friday, September 27, 2002 11:20 AM
To: 'Chu, Eva, Env. Health'
Cc: Brian Kelleher (E-mail); 'rmunsch@rcsis.com'
Subject: RE: Tesoro Station #67107 at 44 Lewelling Blvd, San Lorenzo, CA

Thank you for the prompt review of our report. We will include oxygenates and lead scavengers in our future analytical rounds.

We will begin work on identifying the nature of the off-site wells in question. Getting access to the wells may be problematic (but then again, maybe not) prior to the next quarterly report. We will keep you posted on our progress to enter these properties.

Rob Donovan
Tesoro Petroleum

-----Original Message-----

From: Chu, Eva, Env. Health [mailto:EChu@co.alameda.ca.us]
Sent: Friday, September 27, 2002 11:01 AM
To: Brian Kelleher (E-mail); Robert Donovan (E-mail)
Subject: Tesoro Station #67107 at 44 Lewelling Blvd, San Lorenzo, CA

Hi,

Thanks for the August 2002 Quarterly Monitoring Report for the above referenced site. For future sampling events, please have groundwater analyzed for all oxygenates (ether and alcohol) as well as lead scavengers.

Domestic wells were identified at 15800 and 15808 Via Cordoba (residences downgradient of the site.). Site Vicinty Map indicates that these are irrigation wells. Please confirm that there is not any direct connection to the potable water supply system. Also the wells should be sampled for TPHg, BTEX, and oxygenates.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist
1131 Harbor Bay Parkway
(510) 567-6762
(510) 337-9335 (fax)

2/24/03