

126-498



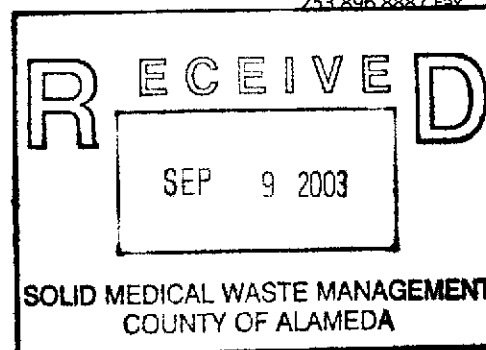
TESORO

Tesoro Petroleum Companies, Inc.
Corporate Environmental Affairs
3450 South 344th Way, Suite 100
Auburn, WA 98001-5931
253 896 8700
253 896 8887 Fax

September 5, 2003

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, room 250
Alameda, California 94502

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



**RE: Tesoro Station No. 67107 44 Lewelling Blvd. San Lorenzo, California
Groundwater Monitoring Report Second Quarter 2003**

Dear Ms. Chu and Mr. Ritchie:

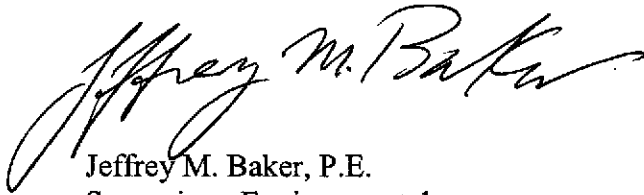
Tesoro Petroleum Companies, Inc., on behalf of Tesoro Refining and Marketing Company (Tesoro), submits the referenced report for your review. Groundwater monitoring data collected on May 15, 2003 continue to indicate BTEX and MTBE concentrations within the historical monitoring range for this site. The on-site remediation system composed of soil vapor/groundwater extraction and treatment, coupled with air sparging continues to be effective in mitigating historical groundwater impacts.

MTBE concentrations in off-site monitoring wells MW-10 and MW-11 continue to be elevated and therefore warrant additional efforts to maintain control of this site. Therefore, Tesoro recommends:

- Implement groundwater extraction from MW-10 and MW-11 on a monthly basis to reduce the MTBE mass present in the groundwater surrounding these wells.
- Re-institute quarterly sampling of MW-10 and MW-11 to better monitor MTBE concentrations in these wells.
- Monitor the site to continue assessment of plume stability and attenuation of constituents of concern.

Please review the report and recommendations above and provide project direction. Please contact me with any questions or concerns regarding this project at (253) 896-8708. Thank you for your continued cooperation concerning this project.

Sincerely,

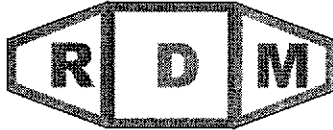
A handwritten signature in black ink that reads "Jeffrey M. Baker". The signature is written in a cursive style with a large, sweeping initial "J".

Jeffrey M. Baker, P.E.
Supervisor, Environmental
Compliance & Remediation
Tesoro Petroleum Companies, Inc.

Attachment

CC: RDM – Richard Munsch (w/o attachment)
Brian Kelleher – Kelleher & Associates
File – Remediation, Livermore

Hirbod Enterprises – Owner
Sam Hirbod
111 Deerwood Road, Suite 110
San Ramon, CA 94583



Environmental

1704 Via Riata, Roseville, CA 95747
August 18, 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, Second Quarter 2003*
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 **Second Quarter 2003**.

Work Performed During the Second Quarter 2003:

- Doulos Environmental Inc. performed ground water sampling on **May 15, 2003**.
- RDM conducted operation and maintenance on the remediation system.
- RDM collected a composite carbon sample from the spent aqueous carbon columns used in the ground water treatment process for disposal purposes. The spent carbon columns are scheduled for removal the first week of **August 2003**.

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.

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. The locations of the two domestic wells sampled by RDM during past quarters are illustrated in Figure 8.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **Second Quarter 2003** on:
 - **April 1 and 22, 2003**
 - **May 14 and 29, 2003**
 - **June 10 and 24, 2003**

Ground Water Extraction System Performance:

- The ground water treatment system operated intermittently during the **Second Quarter 2003**.
- During the **Second Quarter 2003**, the ground water system processed **333,630** gallons.
- As of **June 24, 2003**, the ground water system has processed approximately **2,565,150** gallons.
- The ground water system performance data is included in Table 2 and the remediation system analytical results are included in Enclosure D.
- Ground water is extracted from recovery well RW-1.

Soil Vapor Extraction System Performance:

- The SVE system operated continuously during the **Second Quarter 2003**.
- During the **Second Quarter 2003**, the SVE system removed **15.9** pounds of vapor equivalent gasoline.
- As of **June 24, 2003**, the SVE system has removed approximately **183** pounds (**30** gallons) of vapor equivalent gasoline.
- The SVE analytical results are summarized in Table 3 and the SVE system performance data is included in Table 4. The remediation system analytical results are included in Enclosure D.
- Soil vapor extraction is currently being conducted on wells MW-2, MW-3 and RW-1.

Air Sparging System Performance:

- The air sparging system operated continuously during the **Second Quarter 2003**.
- 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. Due to the persistent elevated concentrations of dissolved petroleum hydrocarbons in ground water in the vicinity of monitoring wells MW-10 and MW-11, RDM recommends conducting dewatering events to these wells utilizing a vacuum truck. RDM recommends conducting monthly 8-hour vacuum events for one

Mr. Rob Donovan
Tesoro Petroleum Companies, Inc.
August 18, 2003
Page 3

quarter. In addition, RDM recommends monitoring well MW-11 be returned to quarterly monitoring schedule. At the conclusion of the quarter, RDM will reevaluate the off site conditions and the onsite remediation system.

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


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

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 2Q GWM 5-15-03)

Enclosures:

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	02/18/92	43.67	16.42	27.25	NS	NS	NS	NS	NS	NS	NA	
	05/14/92		17.28	26.39	NS	NS	NS	NS	NS	NS	NA	
	05/15/92		NM	NC	2,000	47	1,200	400	41,000	NA	NA	
	08/27/92		19.48	24.19	NS	NS	NS	NS	NS	NS	NA	
	08/28/92		NM	NC	3,800	54	850	970	110,000	NA	NA	
	11/19/92		20.57	23.10	200	<5.0	90	140	3,600	NA	NA	
	02/03/93		15.91	27.76	180	22	79	130	3,000	NA	NA	
	06/23/93		16.21	27.46	2,400	74	650	510	12,000	NA	NA	No free product or sheen
	09/22/93		17.85	25.82	3,000	290	1,100	1,200	23,000	NA	NA	No free product or sheen
	01/24/94		17.91	25.76	2,400	280	1,100	1,700	18,000	NA	NA	
	04/07/94		16.94	26.73	4,200	820	1,600	2,100	20,000	NA	NA	No free product or sheen
	06/07/94		17.20	26.47	1,800	510	1,100	1,600	26,000	NA	NA	No free product or sheen
	09/28/94		18.73	24.94	1,700	210	970	870	18,000	NA	NA	No free product or sheen
	12/14/94		17.56	26.11	4,400	2,400	2,300	4,300	31,000	NA	NA	Product sheen
	03/15/95		14.92	28.75	830	310	840	1,200	17,000	NA	NA	Product sheen
	06/13/95		15.38	28.29	1,300	99	1,500	1,100	22,000	NA	NA	No free product or sheen
	09/28/95		16.75	26.92	580	<25	780	410	8,800	NA	NA	No free product or sheen
	12/28/95		17.28	26.39	4.9	<1.3	<1.3	290	4,800	74	NA	No free product or sheen
	01/30/96		NM	NC	17	7.1	20	45	1,500	63	NA	Not measured
	03/12/96		14.13	29.54	<0.5	<0.5	<0.5	<0.5	110	44	NA	No free product or sheen
	06/11/96		14.90	28.77	48	0.9	37	26	600	75	NA	No free product or sheen
	10/02/96		16.31	27.36	16	<0.5	6	0.92	210	11	NA	No free product or sheen
	01/28/97		12.99	30.68	<0.5	<0.5	<0.5	<0.5	150	160	NA	No free product or sheen
	05/20/97		15.28	28.39	<2.5	<2.5	<2.5	<2.5	680	640	NA	No free product or sheen
	08/18/97		16.74	26.93	<2.5	<2.5	<2.5	<2.5	<250	540	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NA	Not measured
	11/05/97		17.45	26.22	2.8	<2.5	<2.5	<2.5	<250	400/390 ^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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Former Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-1	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	NA	No free product or sheen
(Cont.)	08/19/98		14.58	29.09	12	<2.5	6.0 ^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
	02/20/03		15.74	30.24	<1.0	<1.0	<1.0	<1.0	210	320	ND	No free product or sheen
	05/15/03		15.60	30.38	<1.5	<1.5	<1.5	<1.5	400	670	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	60.00	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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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 (Cont.)	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
	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
	02/20/03		14.08	31.15	<0.5	<0.5	<0.5	<0.5	<50	160	ND	No free product or sheen
	05/15/03		14.55	30.68	<0.5	<0.5	<0.5	<0.5	<50	270	ND	No free product or sheen

TABLE 1

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-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
	02/20/03		14.99	30.22	14	<5.0	<5.0	<5.0	<500	2,300	97 ^c	No free product or sheen
	05/15/03		14.96	30.25	43	<5.0	<5.0	<5.0	<500	2,000	87 ^e	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 ^a	<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 ^a	<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	11/17/98	44.66	16.93	27.73	1.3	<0.5	<0.5	<0.5	<50	780	NA	No free product or sheen
(Cont.)	02/18/99		15.30	29.36	8.2	<0.5	<0.5	<0.5	130	240	NA	No free product or sheen
	06/24/99		16.35	28.31	<1.0	<0.5	<0.5	<0.5	<50	2,100	NA	No free product or sheen
	08/30/99		17.12	27.54	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.60	27.06	<0.5	<0.5	<0.5	<0.5	<50	2,500	NA	No free product or sheen
	03/22/00		14.98	29.68	<0.5	<0.5	<0.5	<0.5	69	12,000	NA	No free product or sheen
	06/12/00		16.26	28.40	<20	<20	<20	<20	<2,000	17,000	NA	No free product or sheen
	11/15/00		17.98	26.68	<1.0	<1.0	<1.0	<1.0	<100	17,000	NA	No free product or sheen
	02/26/01		16.31	28.35	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		17.15	27.51	<25	<25	<25	<25	<5,000	13,000	NA	No free product or sheen
	09/05/01		18.22	26.44	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	11/07/01		19.01	25.65	<10	<10	<10	<10	<1,000	3,800	NA	No free product or sheen
	02/11/02	46.98	16.68	30.30	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	06/03/02		17.29	29.69	<2.0	<2.0	<2.0	<2.0	<200	1,100	38 ^e , 2.0 ^f	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
	02/20/03		16.72	30.26	NS	NS	NS	NS	NS	NS	NA	Not Sampled
	05/15/03		16.51	30.47	<0.5	<0.5	<0.5	<0.5	<50	73	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	02/18/99	43.79	14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
(Cont.)	06/24/99		15.29	28.50	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		16.07	27.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		16.61	27.18	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/12/00		15.08	28.71	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.71	27.08	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		15.05	28.74	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		15.91	27.88	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	09/05/01		16.99	26.80	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		17.51	26.28	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/11/02	46.12	14.31	31.81	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		14.96	31.16	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	08/06/02		15.65	30.47	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/14/02		15.69	30.43	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	02/20/03		14.19	31.93	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		15.44	30.68	NS	NS	NS	NS	NS	NS	NS	Not Sampled

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GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-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
	02/20/03		15.64	29.15	NS	NS	NS	NS	NS	NS	NS	Not Sampled
05/15/03	14.07	30.72	NS	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		11.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	NA	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	NA	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	NA	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0 ^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
	02/20/03		14.01	29.84	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		13.81	30.04	NS	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	02/18/92	42.26	16.57	25.69	<0.5	<0.5	9.5	<0.5	1,200	NA	NA	
	05/14/92		16.24	26.02	<0.5	<0.5	<0.5	<0.5	130	NA	NA	
	08/27/92		18.28	23.98	<0.5	<0.5	<0.5	<0.5	140	NA	NA	
	11/19/92		19.32	22.94	<0.5	<0.5	2.0	<0.5	320	NA	NA	
	02/03/93		14.87	27.39	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	
	06/23/93		15.18	27.08	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/22/93		18.79	23.47	<0.5	0.67	<0.5	<0.5	<50	NA	NA	No free product or sheen
	01/24/94		17.06	25.20	<0.5	<0.5	<0.5	<0.5	290	NA	NA	
	04/07/94		15.95	26.31	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/07/94		15.10	27.16	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/94		17.63	24.63	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	12/14/94		16.66	25.60	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	03/15/95		14.30	27.96	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	06/13/95		14.37	27.89	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	No free product or sheen
	09/28/95		15.62	26.64	NS	NS	NS	NS	NS	NA	NA	No free product or sheen
	12/28/95		15.62	26.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	03/12/96		12.75	29.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	06/11/96		13.94	28.32	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	10/02/96		15.41	26.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	01/28/97		12.30	29.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	05/20/97		14.42	27.84	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	08/18/97		16.16	26.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.25	26.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 ^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
	02/20/03		14.70	30.15	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		14.50	30.35	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
	02/20/03		16.85	30.41	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		16.63	30.63	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-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 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-10	08/19/98	42.34	14.27	28.07	95	160	1,300	1,700	14,000	<100	NA	No free product or sheen
(Cont.)	11/17/98		15.08	27.26	82	64	590	150	7500	290	NA	No free product or sheen
	02/18/99		13.61	28.73	41	16	270	79	4,700	<100	NA	No free product or sheen
	06/24/99		14.50	27.84	27	74	280	160	9,400	300	NA	No free product or sheen
	08/30/99		15.26	27.08	15	33	160	33	8,500	290	NA	No free product or sheen
	11/09/99		15.72	26.62	3.9	11	60	14	7,600	120	NA	No free product or sheen
	03/22/00		13.40	28.94	3.5	33	360	320	5,800	160	NA	No free product or sheen
	06/12/00		14.42	27.92	4.3	47	370	210	7,200	270	NA	No free product or sheen
	11/15/00		16.75	25.59	0.54	2.2	3.8	7.3	4,400	420	NA	No free product or sheen
	02/26/01		14.73	27.61	<1.0	2.5	24	13	5,000	860	NA	No free product or sheen
	05/21/01		15.25	27.09	<0.5	3.2	4.1	12	3,500	530	NA	No free product or sheen
	09/05/01		16.35	25.99	<2.0	<2.0	<2.0	4.1	3,400	770	NA	No free product or sheen
	11/07/01		17.05	25.29	<0.5	0.64	0.75	2.7	3,600	790	NA	No free product or sheen
	02/11/02	44.65	14.94	29.71	<2.0	2.2	61	26	4,100	750	NA	No free product or sheen
	06/03/02		15.41	29.24	<1.0	7.0	67	37	4,100	320	26 ^e	No free product or sheen
	08/06/02		15.98	28.67	<1.0	5.4	18	18	4,500	310	18 ^e	No free product or sheen
	11/14/02		16.10	28.55	<1.0	<1.0	2.2	6.4	5,200	280	13 ^e	No free product or sheen
	02/20/03		14.90	29.75	<1.5	9.5	280	69	6,300	220	ND	No free product or sheen
	05/15/03		14.69	29.96	1.2	14	280	78	5,700	130	11 ^e	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-11	02/18/92	45.00	17.00	28.00	<0.5	<0.5	<0.5	<0.5	2,400	NA	NA	
	05/14/92		19.02	25.98	<0.5	1.9	1.3	0.7	1,600	NA	NA	
	08/27/92		21.13	23.87	15	2	0.6	1.2	2,100	NA	NA	
	11/19/92		17.91	27.09	<0.5	<0.5	<0.5	<0.5	490	NA	NA	
	02/03/92		17.91	27.09	<0.5	<0.5	0.55	<0.5	500	NA	NA	
	06/23/93		18.14	26.86	<0.5	<0.5	<0.5	<0.5	350	NA	NA	No free product or sheen
	09/22/93		19.63	25.37	<0.5	0.65	<0.5	0.71	200	NA	NA	No free product or sheen
	01/24/94		19.79	25.21	<0.5	<0.5	<0.5	<0.5	450	NA	NA	
	04/07/94		18.78	26.22	<0.5	<0.5	<0.5	<0.5	500	NA	NA	No free product or sheen
	06/07/94		18.88	26.12	<0.5	<0.5	<0.5	0.64	560	NA	NA	No free product or sheen
	09/28/94		20.45	24.55	<0.5	<0.5	<0.5	<0.5	600	NA	NA	No free product or sheen
	12/14/94		19.45	25.55	<0.5	<0.5	<0.5	<0.5	340	NA	NA	No free product or sheen
	03/15/95		17.32	27.68	<0.5	<0.5	<0.5	<0.5	340	NA	NA	No free product or sheen
	06/13/95		17.43	27.57	<0.5	<0.5	<0.5	<0.5	210 ^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	02/18/99	45.00	16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	NA	No free product or sheen
(Cont.)	06/24/99		17.50	27.50	4.6	<0.5	0.66	<0.5	610	59	NA	No free product or sheen
	08/30/99		18.19	26.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		18.64	26.36	0.87	<0.5	<0.5	<0.5	250	66	NA	No free product or sheen
	03/22/00		16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100	NA	No free product or sheen
	06/12/00		17.44	27.56	<0.5	<0.5	<0.5	<0.5	52	49	NA	No free product or sheen
	11/15/00		19.07	25.93	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	
	02/26/01		17.80	27.20	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/21/01		18.23	26.77	<0.5	<0.5	<0.5	<0.5	<50	30	NA	No free product or sheen
	09/05/01		19.21	25.79	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	11/07/01		19.80	25.20	<0.5	<0.5	<0.5	<0.5	360	330	NA	No free product or sheen
	02/11/02	47.36	17.40	29.96	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	06/03/02		18.30	29.06	<0.5	<0.5	<0.5	<0.5	120	220	13 ^g	No free product or sheen
	08/06/02		18.80	28.56	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	No free product or sheen
	02/20/03		17.46	29.90	NS	NS	NS	NS	NS	NS	NS	Not Sampled
	05/15/03		17.64	29.72	<0.5	<0.5	<0.5	<0.5	160	170	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
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 ^e	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
	02/20/03		23.56	21.91	<0.5	<0.5	<0.5	<0.5	<50	120	ND	No free product or sheen
	05/15/03		22.80	22.67	<0.5	<0.5	<0.5	<0.5	<50	110	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
	03/20/03	NM	NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<0.5	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
	03/20/03	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	
10/4/2000	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/17/2000	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/10/2000	190,440	300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/29/2000	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
12/7/2000	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
12/20/2000	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
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	

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	
04/05/01	118,900	68,900	Influent	<0.5	<0.5	<0.5	<0.5	<50	320	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	65	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	9.2	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	<5.0	7.79
04/18/01	140,190	21,290	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/15/01	159,810	19,620	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/21/01	172,540	12,730	Influent	3.8	1.4	1.3	16	67	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<10	<5.0	7.90
06/05/01	185,810	13,270	NS	NS	NS	NS	NS	NS	NS	NS	NS	
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
07/16/01	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/17/01	186,040	40	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	

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	
10/19/01	273,800	110	NS	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	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**
12/27/2001	437,150	36,460	NS	NS	NS	NS	NS	NS	NS	NS	NS	
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	581,510	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	

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	
04/18/02	570,490	1,540	Influent	<0.5	<0.5	<0.5	<0.5	<50	140	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<10	26	7.8**
05/13/02	703,960	133,470	Influent	<0.5	<0.5	<0.5	<0.5	<50	220	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	98	NA	NA	NA
			Mid-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	13	<1.0	7.45**
05/24/02	762,880	58,920	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
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	<5.0	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	
07/05/02	976,890	73,970	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**
09/14/02	1,245,710	112,790	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	

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	
10/22/02	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	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**
01/03/03	1,671,090	73,960	NS	NS	NS	NS	NS	NS	NS	NS	NS	
01/29/03	1,807,900	136,810	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	NS	NS	NS
			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	10.0	<1.0	7.47**
02/17/03	1,904,010	96,110	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/20/03	1,919,460	15,450	Influent	<0.5	<0.5	<0.5	<0.5	<50	130	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	100	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	7.2	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	<0.5	7.7	<1.0	7.71
03/04/03	1,978,940	59,480	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	
03/20/03	2,012,550	33,610	Influent	5.7	0.72	1.5	5.1	65	260	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	2.3	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	0.52	<5.0	<1.0	7.42
04/01/03	2,072,600	60,050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/22/03	2,176,680	104,080	Influent	<0.5	<0.5	<0.5	<0.5	<50	120	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	70	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	2.1	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.72	16.0	<1.0	7.49
05/14/03	2,286,720	110,040	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/29/03	2,344,540	57,820	Influent	8.0	1.1	2.6	6.7	79	140	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	4.3	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	5.7	NS	NS	NS
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	0.77	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.66	5.1	<1.0	7.62
06/10/03	2,345,770	1,230	NS	NS	NS	NS	NS	NS	NS	NS	NS	
06/24/03	2,346,180	410	Influent	3.4	<0.5	0.78	1.2	<50	250	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	2.2	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	<0.5	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	<0.5	7.7	<1.0	7.42
07/02/03	2,384,820	38,640	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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

* = changed out totalizer

** = Field Measurements

ppm = parts per million

Notes:

a) Total Petroleum Hydrocarbon as gasoline

b) Methyl-t-butyl ether

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

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

**TABLE 3
SVE SYSTEM ANALYTICAL RESULTS**

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	4/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	4/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	4/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	5/10/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	5/10/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	5/10/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	6/8/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	6/8/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	6/8/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	11/29/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/29/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	12/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	12/7/2000	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	1/19/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	1/19/2001	<0.05	<0.05	<0.05	0.053	<5.0	<0.10
Effluent	1/19/2001	<0.05	<0.05	<0.05	0.071	<5.0	<0.10
Influent	2/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	2/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	2/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	3/1/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	3/1/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	3/1/2001	<0.05	<0.05	<0.05	0.055	<5.0	<0.10
Influent	4/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	4/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/21/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	5/21/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	5/21/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

TABLE 3
SVE SYSTEM ANALYTICAL RESULTS

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/21/2001	<0.05	<0.05	<0.05	<0.05	5.3	<0.10
Mid Air	6/21/2001	<0.05	<0.05	<0.05	<0.05	8.4	<0.10
Effluent	6/21/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	7/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	7/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	7/5/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/24/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	8/24/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	8/24/2001	<0.05	<0.05	<0.05	0.066	<5.0	<0.10
Influent	9/6/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/6/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/6/2001	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	11/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	11/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/23/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/13/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	12/13/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/13/2001	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	1/17/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Mid Air	1/17/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	1/17/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	3/20/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	3/20/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	3/20/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	4/18/2002	<0.05	<0.05	<0.05	<0.05	<5.0	0.17
Mid Air	4/18/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/18/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/13/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	5/13/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	5/13/2002	<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	6/12/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	6/12/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	6/12/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	8/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	8/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	8/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	9/23/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	9/23/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	9/23/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	10/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	10/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	10/21/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	11/24/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	11/24/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	11/24/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	12/20/2002	<0.05	<0.05	<0.05	0.05	<5.0	<0.10
Mid Air	12/20/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	12/20/2002	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	1/29/2003	<0.05	<0.05	<0.05	0.05	<5.0	NA
Mid Air	1/29/2003	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	1/29/2003	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	2/20/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	2/20/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	2/20/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	3/20/2003	<0.05	<0.05	<0.05	0.05	<5.0	<0.10
Mid Air	3/20/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	3/20/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	4/22/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	4/22/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	4/22/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	5/29/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	5/29/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	5/29/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

**TABLE 3
SVE SYSTEM ANALYTICAL RESULTS**

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

Sample I.D.	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	6/24/2003	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	6/24/2003	<0.05	<0.05	<0.05	<0.05	<5.0	0.12
Effluent	6/24/2003	<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 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
01/29/03	200	200	<5.0	<5.0	<0.05	<0.05	<0.34	<0.34	<0.003	<0.003	1.15 E+07	6.9	158.0	36,906	956
02/20/03	215	215	<5.0	<5.0	<0.05	<0.05	<0.37	<0.37	<0.003	<0.003	6.85 E+06	4.1	162.1	37,437	531
03/20/03	210	210	<5.0	<5.0	<0.05	<0.05	<0.36	<0.36	<0.003	<0.003	8.40 E+06	5.0	167.1	38,104	667
04/22/03	210	210	<5.0	<5.0	<0.05	<0.05	<0.36	<0.36	<0.003	<0.003	9.98 E+06	6.0	173.1	38,896	792
05/29/03	208	208	<5.0	<5.0	<0.05	<0.05	<0.41	<0.41	<0.003	<0.003	6.52 E+06	4.5	177.6	39,419	523
06/24/03	210	210	<5.0	<5.0	<0.05	<0.05	<0.42	<0.42	<0.004	<0.004	7.85 E+06	5.4	183.0	40,042	623

TPH = Total petroleum hydrocarbons.

ppmv = Parts per million by volume.



T36.

R2W.

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



QUADRANGLE LOCATION



SCALE 1:24,000

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

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



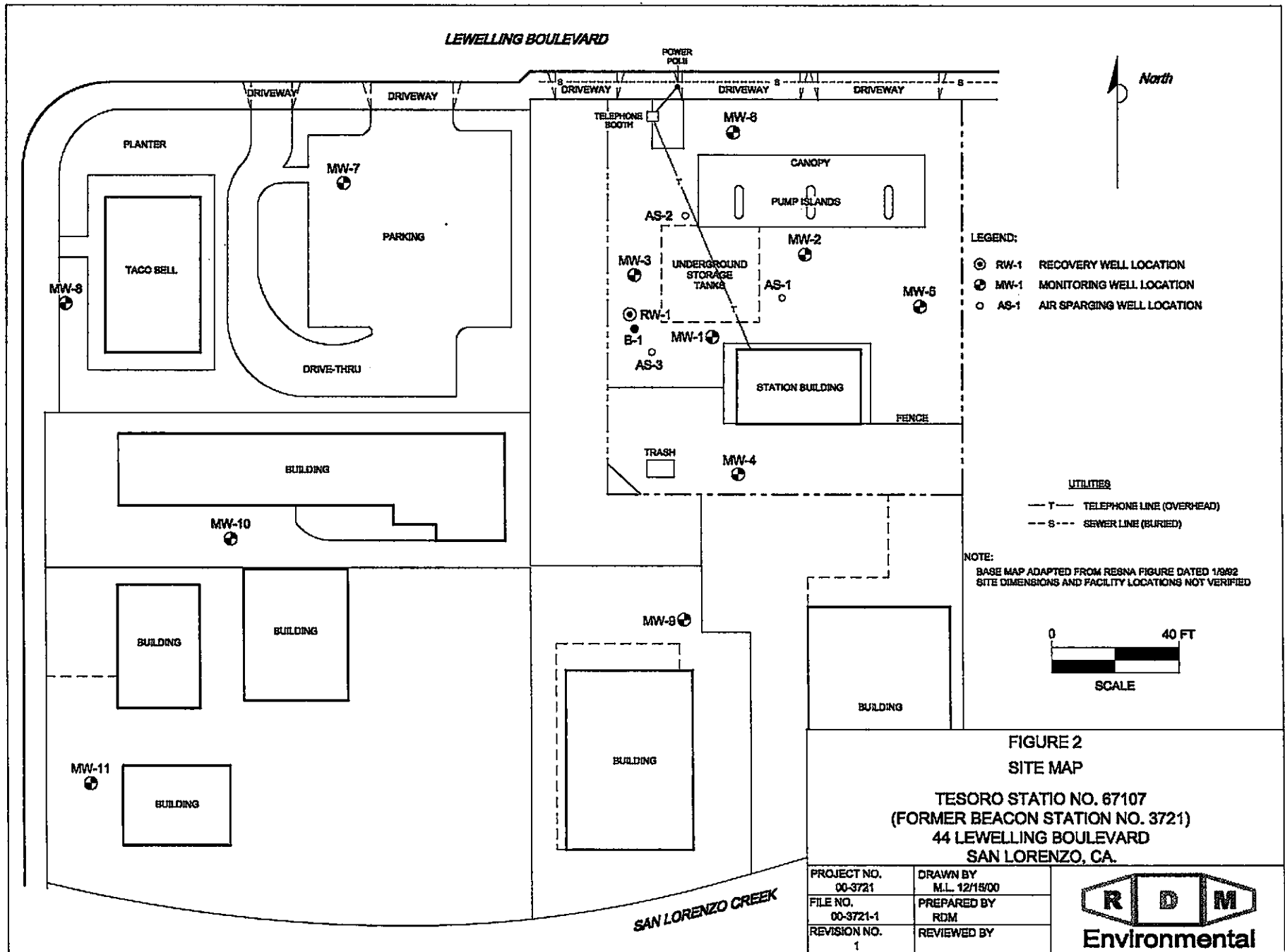
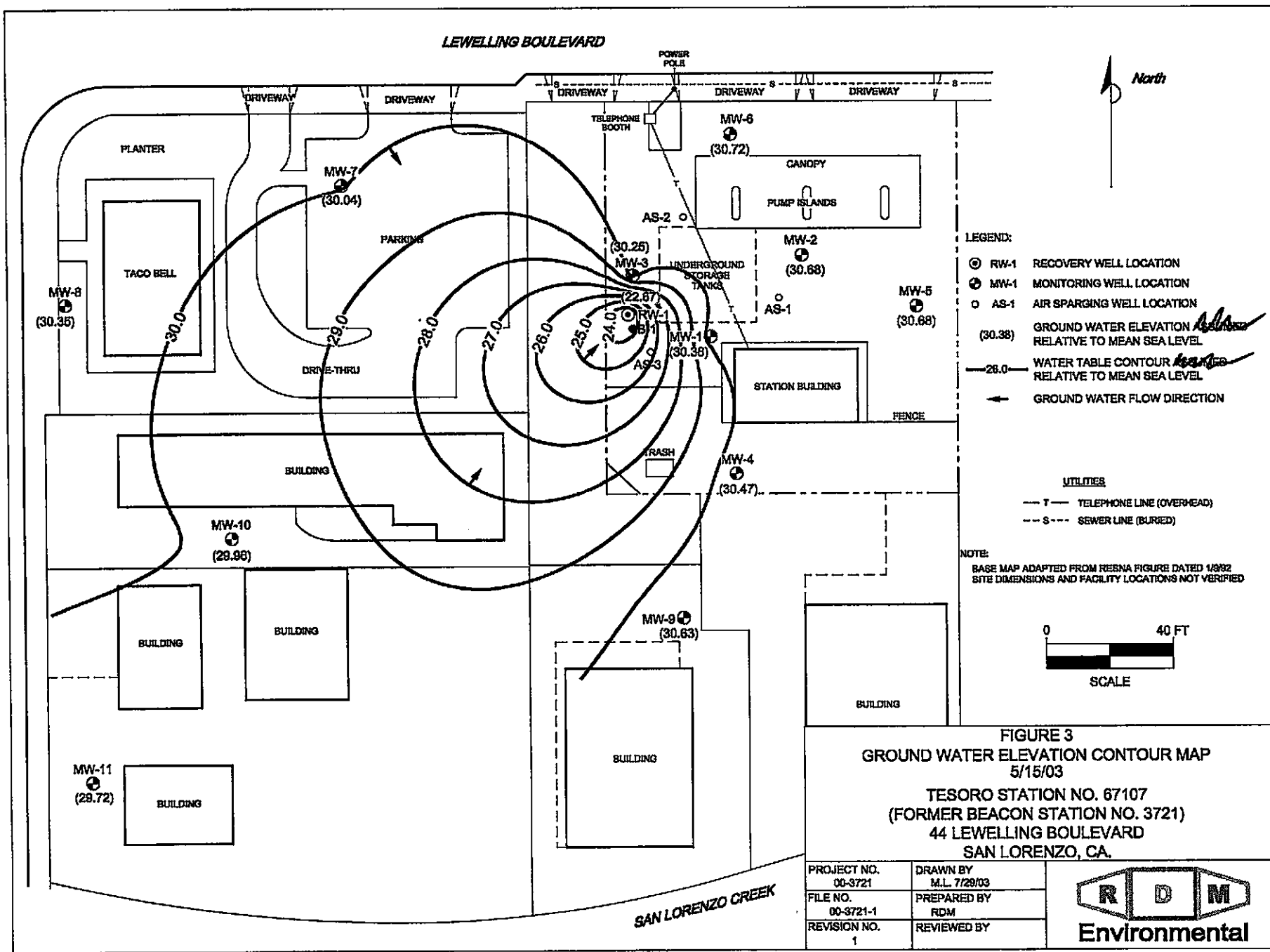


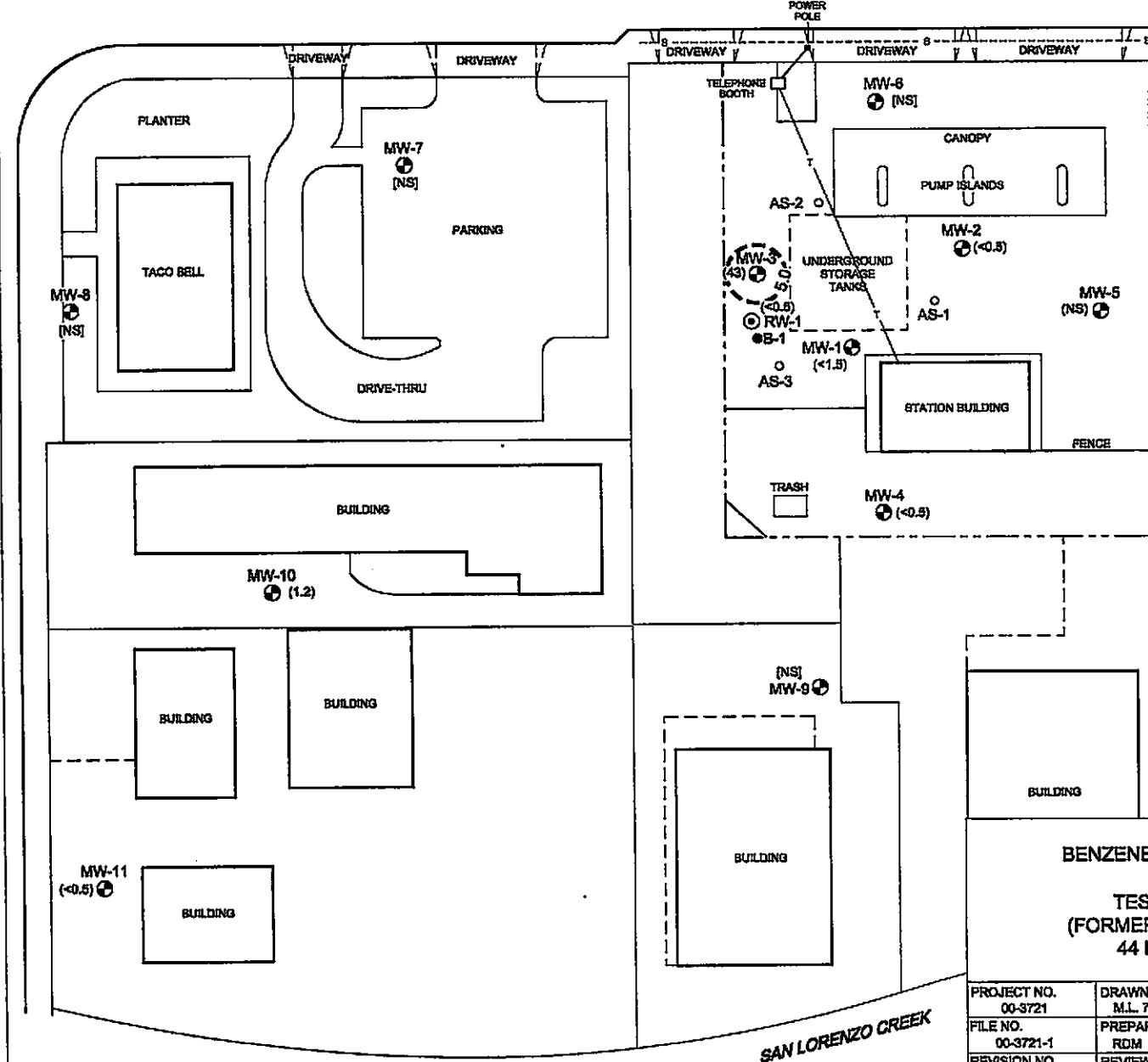
FIGURE 2
SITE MAP
TESORO STATIO NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

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





LEWELLING BOULEVARD



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

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

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

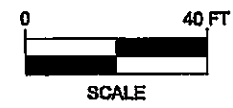
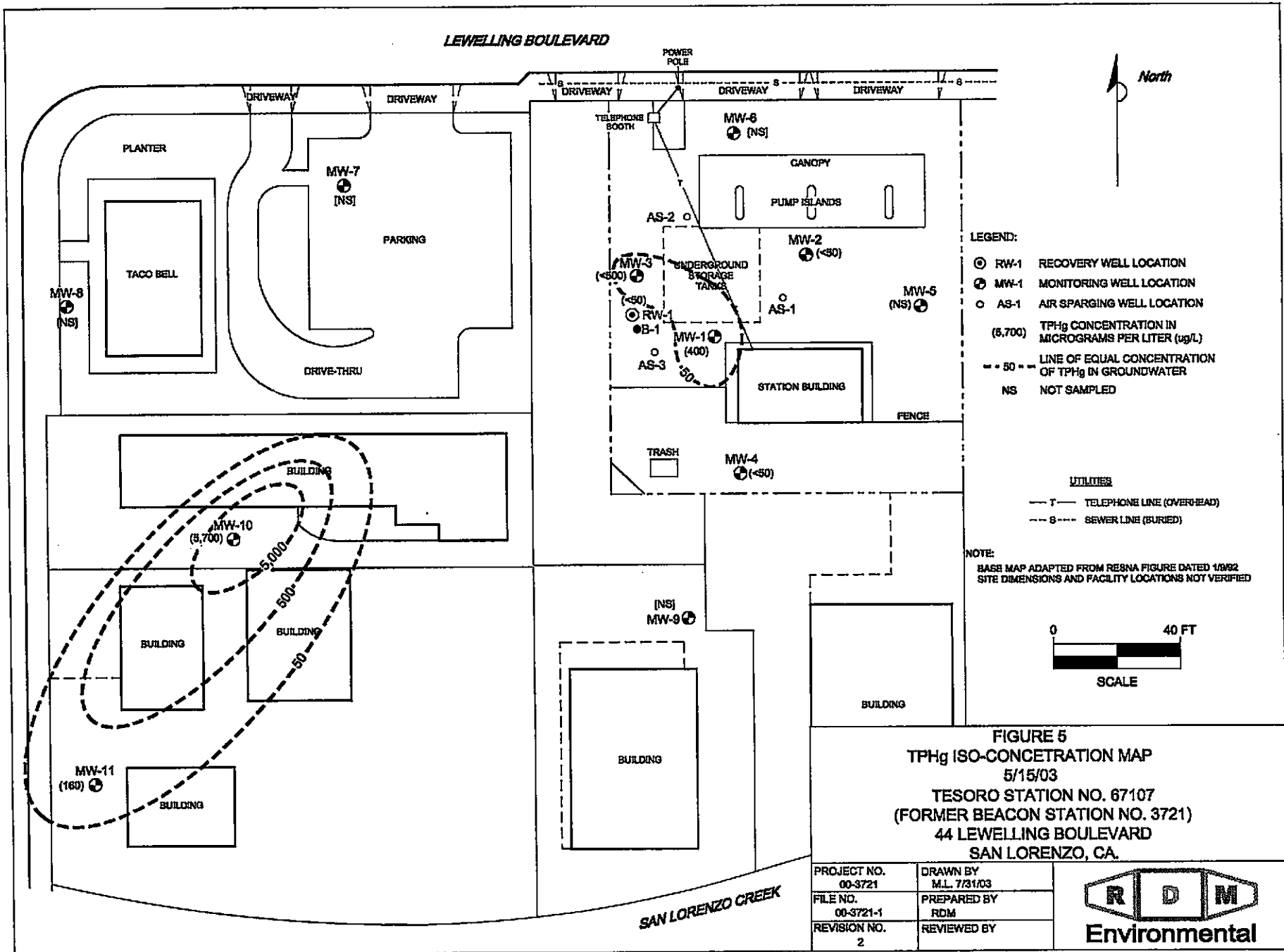


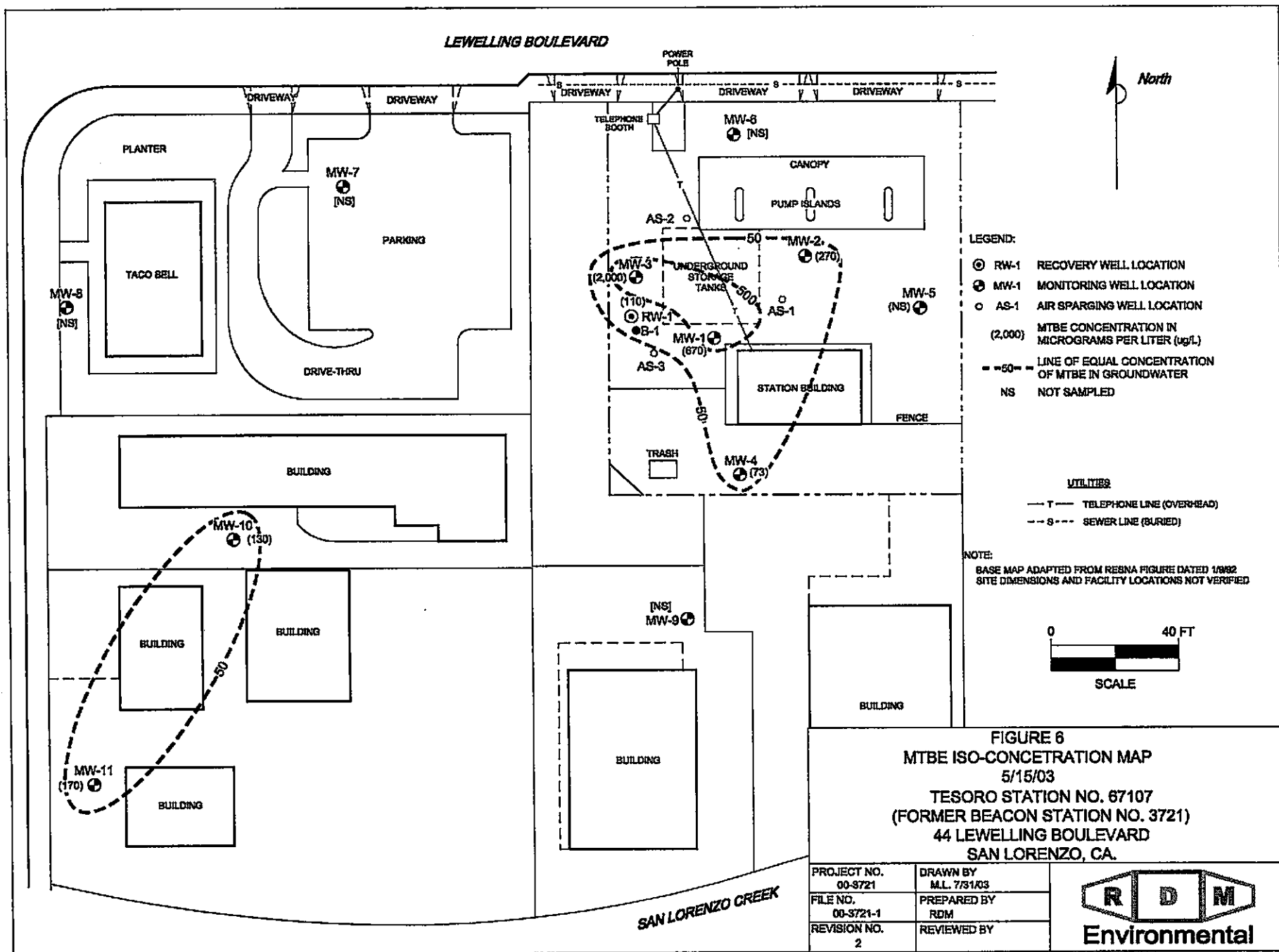
FIGURE 4
BENZENE ISO-CONCENTRATION MAP
 5/15/03
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 7/31/03
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY

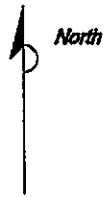


SAN LORENZO CREEK





LEWELLING BOULEVARD



- LEGEND:
- ⊙ RW-1 RECOVERY WELL LOCATION
 - ⊕ MW-1 MONITORING WELL LOCATION
 - AS-1 AIR SPARGING WELL LOCATION
 - (2,000) MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
 - - 50 - - LINE OF EQUAL CONCENTRATION OF MTBE IN GROUNDWATER
 - NS NOT SAMPLED

UTILITIES

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

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

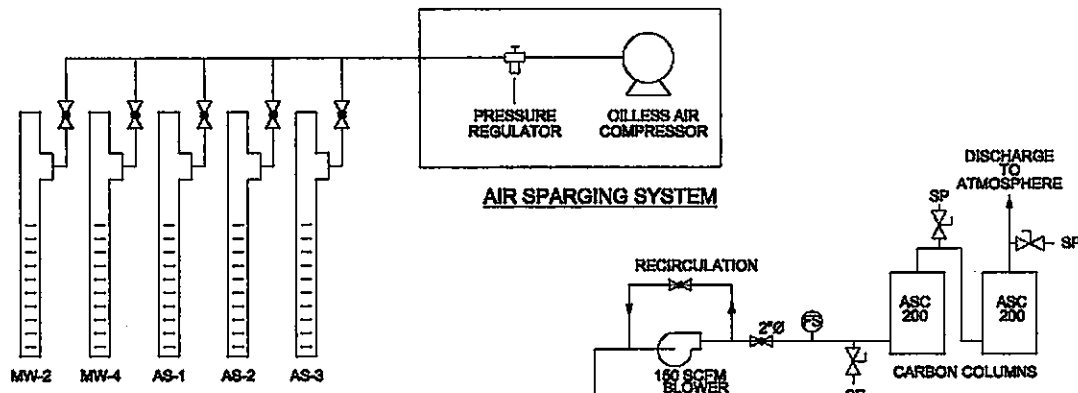


FIGURE 6
MTBE ISO-CONCENTRATION MAP
5/15/03
TESORO STATION NO. 67107
(FORMER BEACON STATION NO. 3721)
44 LEWELLING BOULEVARD
SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY M.L. 7/31/03
FILE NO. 00-3721-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY

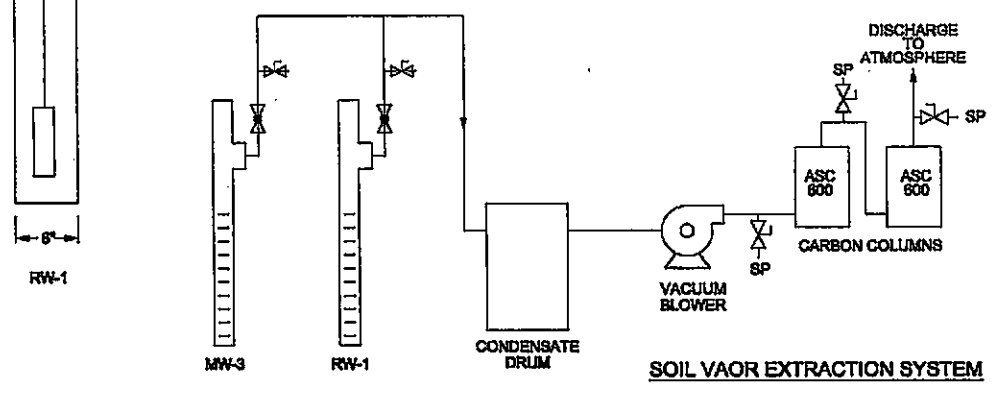
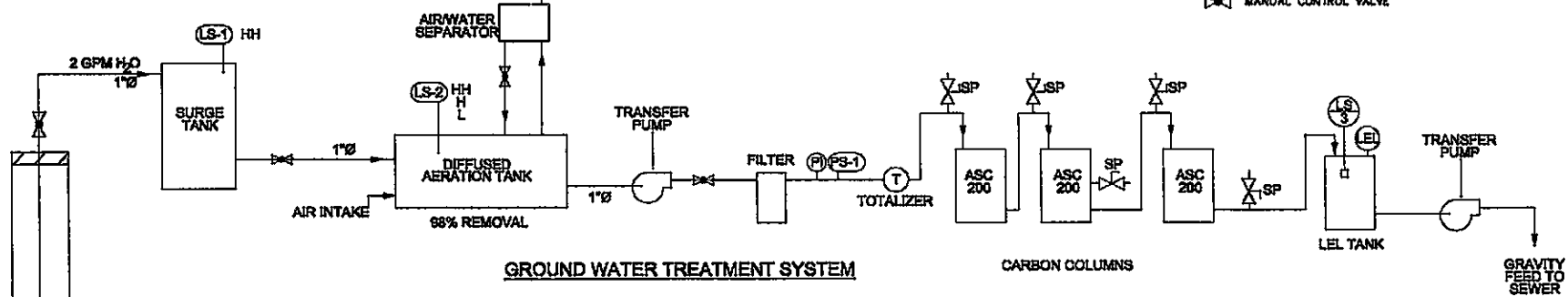


SAN LORENZO CREEK



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

- LEGEND:
- (FS) FLOW SWITCH
 - (PI) PRESSURE INDICATOR
 - SP SAMPLING PORT
 - MCV MANUAL CONTROL VALVE



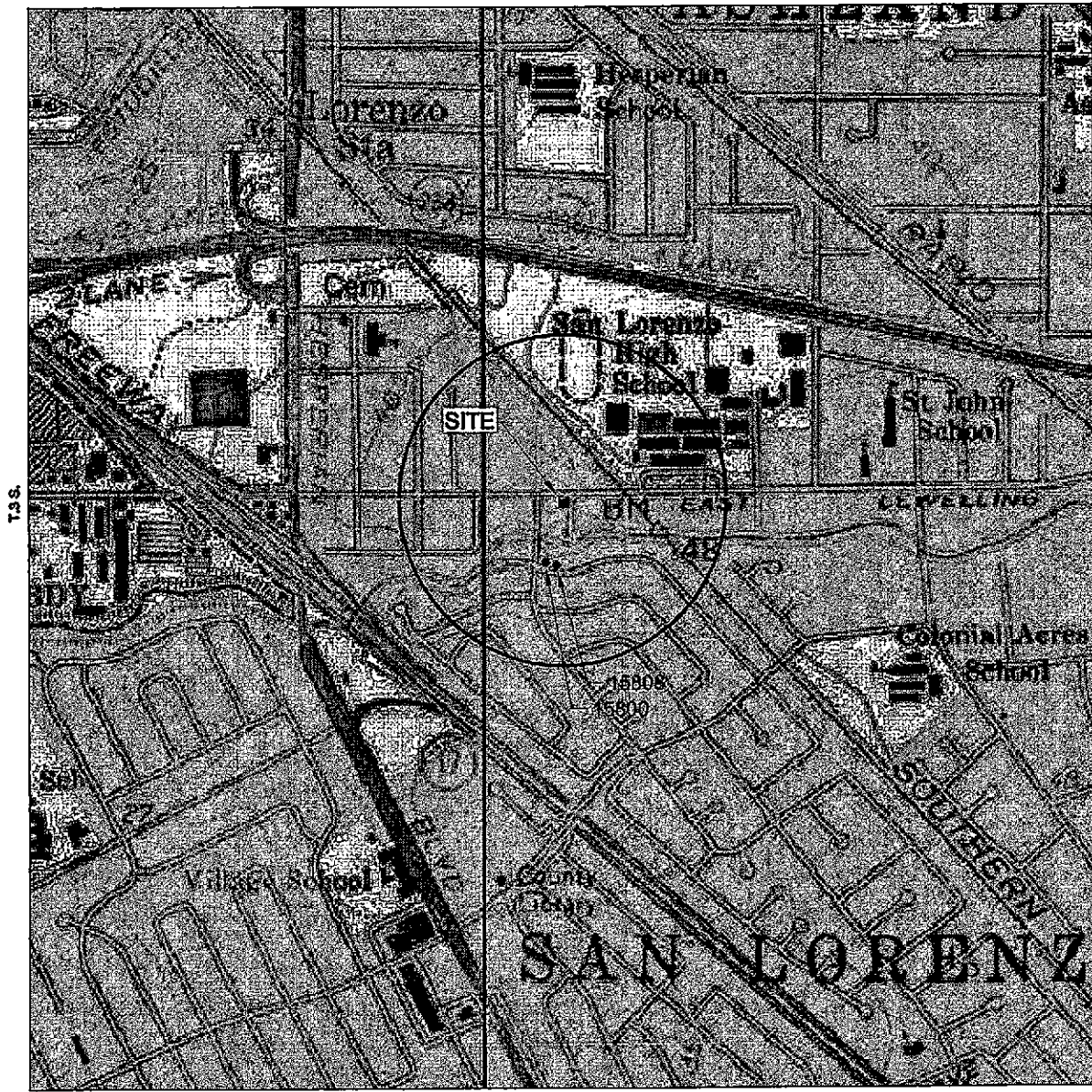
NOTE: NOT TO SCALE

SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY ULTRAMAR.

FIGURE 7

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

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



R.2W.

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



QUADRANGLE LOCATION

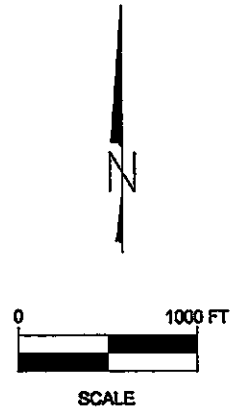


FIGURE 8
DOMESTIC WELL LOCATION MAP
 TESORO STATION NO. 67107
 (FORMER BEACON STATION NO. 3721)
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

PROJECT NO. 00-3721	DRAWN BY ML 2/25/03
FILE NO. 00-3721-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



ENCLOSURE A

Site Background Information

HISTORICAL BACKGROUND INFORMATION

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

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

CONTINUED NEXT PAGE

HISTORICAL BACKGROUND INFORMATION

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

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

ENCLOSURE B

Ground Water Sampling Information

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

Project Address: 44 Lewelling Blvd.

Date: 5-15-03

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	12:26		15.60	33.64				
MW-2	12:45		14.55	34.35				
MW-3	12:28		14.96	34.23				
MW-4	12:40		16.51	24.45				
MW-5	12:37		15.44	29.30				
MW-6	12:34		14.07	28.43				
MW-7	12:18		13.81	24.17				
MW-8	12:14		14.50	22.99				
MW-9	12:21		16.63	23.57				
MW-10	12:10		14.69	29.40				
MW-11	12:08		17.64	29.34				
RW-1	12:31		22.80	34.10				

Notes:

Client: Tesoro 67107

Sampling Date: 5-15-03

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: MW-1

Is setup of traffic control devices required?
Is there standing water in the well box?
Is top of casing cut level?
Is well cap sealed and locked?

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): 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 X 36" CNI 12" Pomeco 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 Recharge Measurement
Time: 12:26 Time: 2:34 Calculated purge: 11.5
Depth of well: 33.64 Depth to water: 16.90 Actual purge: 11.5
Depth to water: 15.60

Start purge: 2:21 Sampling time: 2:36

Table with 6 columns: Time, Temperature, E.C., pH, Turbidity, Volume. Rows contain data for times 2:23, 2:24, 2:25, 2:26.

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: 5-15-03

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-2

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

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

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

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

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

Initial Measurement Time: 12:45 Recharge Measurement Time: 2:53 Calculated purge: 12.6
Depth of well: 34.35 Depth to water: 16.08 Actual purge: 12.6
Depth to water: 14.55

Start purge: 2:45 Sampling time: 2:55

Time	Temperature	E.C.	pH	Turbidity	Volume
2:46	69.0	440	7.08		1
2:47	69.4	413	6.99		2
2:48	70.1	406	6.94		3
2:49	70.3	405	6.90		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: 5-15-03

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-3

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): 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 X 36" CNI _____ 12" Pomeco _____ 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

Recharge Measurement

Time: 12:28 Time: 2:07 Calculated purge: 12.3

Depth of well: 34.23 Depth to water: 16.40 Actual purge: 12.3

Depth to water: 14.96

Start purge: 1:51

Sampling time: 2:10

Time	Temperature	E.C.	pH	Turbidity	Volume
1:52	69.5	730	7.31		1
1:53	68.8	705	7.17		2
1:54	68.7	697	7.13		3
1:56	68.5	690	7.12		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: 5-15-03

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: MW-4

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): 3
 Well cover type: 8" or 12" UV _____ 12" EMCO _____ 8" or 12" BK _____ 8" Christy _____
 12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP
 12" CNI _____ 36" CNI _____ 12" Pomeco _____ Other: _____
 General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

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

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

Initial Measurement Recharge Measurement
 Time: 12:40 Time: 1:43 Calculated purge: 5.1
 Depth of well: 24.45 Depth to water: 17.06 Actual purge: 5.1
 Depth to water: 16.51

Start purge: 1:33 Sampling time: 1:44

Time	Temperature	E.C.	pH	Turbidity	Volume
1:34	69.5	508	7.33		1
1:35	70.1	493	7.16		2
1:36	70.3	450	7.10		3
1:37	70.8	436	7.09		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: 5-15-03

Site: 44 Lewelling Blvd.

Project No.: _____

San Lorenzo, Ca.

Well Designation: MW-10

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 X 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 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 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: 12:10
 Depth of well: 29.40
 Depth to water: 14.69

Recharge Measurement

Time: 1:22 Calculated purge: 9.4
 Depth to water: 15.83 Actual purge: 9.4

Start purge: 1:12 Sampling time: 1:24

Time	Temperature	E.C.	pH	Turbidity	Volume
1:13	69.7	691	7.21		1
1:14	70.3	645	7.14		2
1:15	70.5	610	7.10		3
1:17	70.8	603	7.08		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: 5-15-03

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

Height of well casing riser (in inches): 4

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

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

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

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

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

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

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement Time: 12:08 Recharge Measurement Time: 1:06 Calculated purge: 7.4
 Depth of well: 29.34 Depth to water: 19.03 Actual purge: 7.4
 Depth to water: 17.64

Start purge: 12:50 Sampling time: 1:07

Time	Temperature	E.C.	pH	Turbidity	Volume
12:51	68.5	810	7.40		1
12:52	69.0	699	7.17		2
12:53	69.3	696	7.12		3
12:54	70.1	690	7.09		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: 5-15-03

Site: 44 Lewelling Blvd.

Project No.:

San Lorenzo, Ca.

Well Designation: RW-1

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

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

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

Initial Measurement Recharge Measurement
 Time: 12:31 NA
 Depth of well: 34-10 Depth to water: NA Calculated purge: NA
 Depth to water: 22-80 Actual purge: NA

Start purge: NA Sampling time: 3:05

Time	Temperature	E.C.	pH	Turbidity	Volume
NA					

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: PUMPING

ENCLOSURE C

**Ground Water Monitoring
Analytical Results**



Report Number : 33174

Date : 5/21/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 7 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 : 33174

Date : 5/21/2003

Subject : 7 Water Samples
Project Name : Tesoro
Project Number : 67107 San Lorenzo
P.O. Number : AFE 023139623

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-2 for the analyte Methyl-t-butyl ether were affected by the analyte concentration already present in the un-spiked sample. Tert-Butanol results for sample MW-3 may be biased slightly high and are flagged with a 'J'. A fraction of MtBE (typically less than 1%) converts to Tert-Butanol during the analysis. We consider this conversion effect to be mathematically significant in samples that contain MtBE/Tert-Butanol in ratios of over 20:1.

Approved By:  _____
Joel Kiff

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



Report Number : 33174

Date : 5/21/2003

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-1

Matrix : Water

Lab Number : 33174-01

Sample Date :5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Toluene	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Ethylbenzene	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Total Xylenes	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Methyl-t-butyl ether (MTBE)	670	1.5	ug/L	EPA 8260B	5/19/2003
Diisopropyl ether (DIPE)	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Tert-amyl methyl ether (TAME)	< 1.5	1.5	ug/L	EPA 8260B	5/19/2003
Tert-Butanol	< 20	20	ug/L	EPA 8260B	5/19/2003
TPH as Gasoline	400	200	ug/L	EPA 8260B	5/19/2003
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	5/19/2003
4-Bromofluorobenzene (Surr)	93.1		% Recovery	EPA 8260B	5/19/2003

Approved By:  Joel Kiff

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



Report Number : 33174

Date : 5/21/2003

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-2

Matrix : Water

Lab Number : 33174-02

Sample Date :5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	270	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	5/17/2003

Approved By:  Joel Kiff

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



Report Number : 33174

Date : 5/21/2003

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Sample : **MW-3**

Matrix : **Water**

Lab Number : **33174-03**

Sample Date : **5/15/2003**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	43	5.0	ug/L	EPA 8260B	5/19/2003
Toluene	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Ethylbenzene	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Total Xylenes	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Methyl-t-butyl ether (MTBE)	2000	5.0	ug/L	EPA 8260B	5/19/2003
Diisopropyl ether (DIPE)	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Ethyl-t-butyl ether (ETBE)	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Tert-amyl methyl ether (TAME)	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
Tert-Butanol	87 J	50	ug/L	EPA 8260B	5/19/2003
TPH as Gasoline	< 500	500	ug/L	EPA 8260B	5/19/2003
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	5/19/2003
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	5/19/2003

Approved By:  Joel Kiff

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



Report Number : 33174

Date : 5/21/2003

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Sample : **MW-4**

Matrix : Water

Lab Number : 33174-04

Sample Date :5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	73	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	95.3		% Recovery	EPA 8260B	5/17/2003

Approved By:  Joel Kiff



Report Number : 33174

Date : 5/21/2003

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Sample : **MW-10**

Matrix : Water

Lab Number : 33174-05

Sample Date :5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.2	0.50	ug/L	EPA 8260B	5/20/2003
Toluene	14	0.50	ug/L	EPA 8260B	5/20/2003
Ethylbenzene	280	1.0	ug/L	EPA 8260B	5/19/2003
Total Xylenes	78	0.50	ug/L	EPA 8260B	5/20/2003
Methyl-t-butyl ether (MTBE)	130	0.50	ug/L	EPA 8260B	5/20/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Tert-Butanol	11	5.0	ug/L	EPA 8260B	5/20/2003
TPH as Gasoline	5700	200	ug/L	EPA 8260B	5/18/2003
Toluene - d8 (Surr)	87.6		% Recovery	EPA 8260B	5/20/2003
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	5/20/2003

Approved By:  Joel Kiff



Report Number : 33174

Date : 5/21/2003

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : MW-11

Matrix : Water

Lab Number : 33174-06

Sample Date :5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Methyl-t-butyl ether (MTBE)	170	0.50	ug/L	EPA 8260B	5/19/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
TPH as Gasoline	160	50	ug/L	EPA 8260B	5/19/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/19/2003
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	5/19/2003

Approved By:  Joel Kiff

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



Report Number : 33174

Date : 5/21/2003

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Sample : RW-1

Matrix : Water

Lab Number : 33174-07

Sample Date : 5/15/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	110	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	5/17/2003

Approved By:  Joel Kiff

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

Report Number : 33174

Date : 5/21/2003

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	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	104		%	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	5/17/2003
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	98.7		%	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	99.1		%	EPA 8260B	5/17/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/17/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/17/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/17/2003
Toluene - d8 (Surr)	101		%	EPA 8260B	5/17/2003
4-Bromofluorobenzene (Surr)	98.7		%	EPA 8260B	5/17/2003
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/20/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/20/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/20/2003
Toluene - d8 (Surr)	101		%	EPA 8260B	5/20/2003
4-Bromofluorobenzene (Surr)	98.0		%	EPA 8260B	5/20/2003

Approved By:  Joel Kiff

Report Number : 33174

Date : 5/21/2003

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	5/18/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/18/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/18/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/18/2003
Toluene - d8 (Surr)	101		%	EPA 8260B	5/18/2003
4-Bromofluorobenzene (Surr)	97.5		%	EPA 8260B	5/18/2003
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/19/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/19/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/19/2003
Toluene - d8 (Surr)	100		%	EPA 8260B	5/19/2003
4-Bromofluorobenzene (Surr)	97.3		%	EPA 8260B	5/19/2003

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

KIFF ANALYTICAL, LLC

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

Report Number : 33174

Date : 5/21/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : Tesoro

Project Number : 67107 San Lorenzo

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	33174-02	<0.50	39.9	40.0	38.5	38.6	ug/L	EPA 8260B	5/17/03	96.6	96.6	0.0259	70-130	25
Toluene	33174-02	<0.50	39.9	40.0	37.9	37.9	ug/L	EPA 8260B	5/17/03	95.0	94.8	0.158	70-130	25
Tert-Butanol	33174-02	<5.0	200	200	190	192	ug/L	EPA 8260B	5/17/03	95.1	95.8	0.760	70-130	25
Methyl-t-Butyl Ether	33174-02	270	39.9	40.0	293	288	ug/L	EPA 8260B	5/17/03	49.2	36.4	29.8	70-130	25
Benzene	33174-04	<0.50	39.9	40.0	39.6	39.8	ug/L	EPA 8260B	5/17/03	99.2	99.5	0.378	70-130	25
Toluene	33174-04	<0.50	39.9	40.0	37.9	38.4	ug/L	EPA 8260B	5/17/03	94.9	96.0	1.23	70-130	25
Tert-Butanol	33174-04	<5.0	200	200	178	182	ug/L	EPA 8260B	5/17/03	89.0	91.1	2.32	70-130	25
Methyl-t-Butyl Ether	33174-04	73	39.9	40.0	113	111	ug/L	EPA 8260B	5/17/03	99.9	94.4	5.70	70-130	25
Benzene	33174-07	<0.50	40.0	40.0	39.3	37.9	ug/L	EPA 8260B	5/17/03	98.3	94.7	3.70	70-130	25
Toluene	33174-07	<0.50	40.0	40.0	38.2	37.2	ug/L	EPA 8260B	5/17/03	95.5	92.9	2.73	70-130	25
Tert-Butanol	33174-07	<5.0	200	200	190	192	ug/L	EPA 8260B	5/17/03	94.9	95.8	1.03	70-130	25
Methyl-t-Butyl Ether	33174-07	110	40.0	40.0	142	144	ug/L	EPA 8260B	5/17/03	74.0	79.4	6.94	70-130	25
Benzene	33196-03	<0.50	40.0	40.0	39.3	39.0	ug/L	EPA 8260B	5/20/03	98.3	97.4	0.869	70-130	25
Toluene	33196-03	<0.50	40.0	40.0	38.8	37.4	ug/L	EPA 8260B	5/20/03	97.0	93.5	3.62	70-130	25
Tert-Butanol	33196-03	98	200	200	304	296	ug/L	EPA 8260B	5/20/03	103	98.7	4.32	70-130	25
Methyl-t-Butyl Ether	33196-03	<0.50	40.0	40.0	37.1	31.7	ug/L	EPA 8260B	5/20/03	92.7	79.3	15.6	70-130	25
Benzene	33184-13	<0.50	40.0	40.0	41.0	40.3	ug/L	EPA 8260B	5/18/03	102	101	1.57	70-130	25
Toluene	33184-13	<0.50	40.0	40.0	40.7	40.2	ug/L	EPA 8260B	5/18/03	102	100	1.16	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 33174

Date : 5/21/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	33184-13	<5.0	200	200	206	209	ug/L	EPA 8260B	5/18/03	103	104	1.49	70-130	25
Methyl-t-Butyl Ether	33184-13	0.51	40.0	40.0	46.8	47.6	ug/L	EPA 8260B	5/18/03	116	118	1.74	70-130	25
Benzene	33128-01	42	40.0	40.0	82.3	79.5	ug/L	EPA 8260B	5/19/03	99.9	92.9	7.26	70-130	25
Toluene	33128-01	54	40.0	40.0	100	93.5	ug/L	EPA 8260B	5/19/03	117	99.8	15.8	70-130	25
Tert-Butanol	33128-01	<5.0	200	200	199	195	ug/L	EPA 8260B	5/19/03	99.4	97.5	1.93	70-130	25
Methyl-t-Butyl Ether	33128-01	8.5	40.0	40.0	47.6	48.0	ug/L	EPA 8260B	5/19/03	97.8	98.8	1.07	70-130	25

Joel Kiff

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 33174

Date : 5/21/2003

QC Report : Laboratory Control Sample (LCS)

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	5/17/03	89.4	70-130
Toluene	40.0	ug/L	EPA 8260B	5/17/03	87.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/17/03	89.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/17/03	85.2	70-130
Benzene	40.0	ug/L	EPA 8260B	5/17/03	96.6	70-130
Toluene	40.0	ug/L	EPA 8260B	5/17/03	93.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/17/03	88.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/17/03	103	70-130
Benzene	40.0	ug/L	EPA 8260B	5/17/03	102	70-130
Toluene	40.0	ug/L	EPA 8260B	5/17/03	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/17/03	98.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/17/03	99.6	70-130
Benzene	40.0	ug/L	EPA 8260B	5/20/03	102	70-130
Toluene	40.0	ug/L	EPA 8260B	5/20/03	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/20/03	97.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/20/03	85.5	70-130
Benzene	40.0	ug/L	EPA 8260B	5/18/03	95.4	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

Report Number : 33174

Date : 5/21/2003

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro**

Project Number : **67107 San Lorenzo**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	5/18/03	97.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/18/03	94.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/18/03	100	70-130
Benzene	40.0	ug/L	EPA 8260B	5/19/03	99.3	70-130
Toluene	40.0	ug/L	EPA 8260B	5/19/03	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/19/03	98.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/19/03	97.1	70-130

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff



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

Lab No. 33174 Page 1 of 1

Project Contact (Hardcopy or PDF to):
 Richard Munsch

EDF Report? Yes No

Company/Address:
 RDM

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

Phone No.: 771-7090 FAX No.: 771-4584
 Global ID: T0600101414

Project Number: 67107 San Lorenzo P.O. No.: AFE 023139623
 EDF Deliverable to (Email Address):
rmunsch@rcsis.com

Project Name: Tesoro Project Address:
San Lorenzo

Chain-of-Custody Record and Analysis Request

Analysis Request

TAT

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

Sampler Signature (below):
Edgar Chiveta
 Project Address:

Sample Designation	Sampling		40 ml VOA	Container		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/86015)	TPH as Diesel (86015)	TPH as Motor Oil (86016)	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 (7421/238.2) TOTAL (X) W.E.T. (X)	TAT									
	Date	Time		SLEEVE		HCl	HNO ₃	ICE	NONE	WATER	SOIL																							
MW-1	5-15-03	2:36	3			X	X			X																								
MW-2		2:55																																
MW-3		2:10																																
MW-4		1:44																																
MW-10		1:24																																
MW-11		1:07																																
RW-1		3:05																																

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

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

Relinquished by: _____ Date: 05/16/03 Time: 11:12 Received by Laboratory: *John Cutler* Bill to: ROB DONOVAN

Remarks:

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

ENCLOSURE D

Remediation System Analytical Results



Report Number : 32848

Date : 4/28/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : Tesoro Station 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 : 32848

Date : 4/28/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-Inf

Matrix : Water

Lab Number : 32848-01

Sample Date : 4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	120	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32848

Date : 4/28/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 32848-02

Sample Date : 4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	69	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32848

Date : 4/28/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-MID1

Matrix : Water

Lab Number : 32848-03

Sample Date : 4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	70	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32848

Date : 4/28/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-MID2

Matrix : Water

Lab Number : 32848-04

Sample Date :4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	2.1	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32848

Date : 4/28/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-Eff

Matrix : Water

Lab Number : 32848-05

Sample Date : 4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	0.72	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff

Report Number : 32848

Date : 4/28/2003

QC Report : Method Blank Data

Project Name : **Tesoro Station 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	4/24/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/24/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/24/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	103		%	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	96.9		%	EPA 8260B	4/24/2003

<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 : 32848

Date : 4/28/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro Station 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 Recov. Limit	Relative Percent Diff. Limit
Benzene	32826-01	<0.50	40.0	40.0	38.1	38.4	ug/L	EPA 8260B	4/24/03	95.3	95.9	0.575	70-130	25
Toluene	32826-01	<0.50	40.0	40.0	38.3	38.1	ug/L	EPA 8260B	4/24/03	95.7	95.3	0.366	70-130	25
Tert-Butanol	32826-01	<5.0	200	200	208	207	ug/L	EPA 8260B	4/24/03	104	103	0.722	70-130	25
Methyl-t-Butyl Ether	32826-01	9.3	40.0	40.0	54.2	52.5	ug/L	EPA 8260B	4/24/03	112	108	4.02	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 32848

Date : 4/28/2003

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro Station 67107**

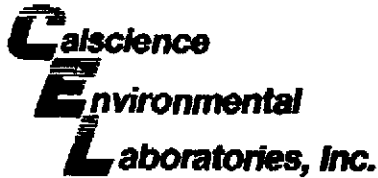
Project Number : **67107**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/24/03	98.6	70-130
Toluene	40.0	ug/L	EPA 8260B	4/24/03	97.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/24/03	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/24/03	115	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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



April 30, 2003

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

Subject: **Calscience Work Order No.: 03-04-1445**
Client Reference: **Tesoro Station 67107**

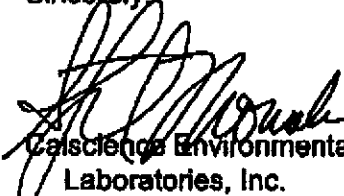
Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/25/2003 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.

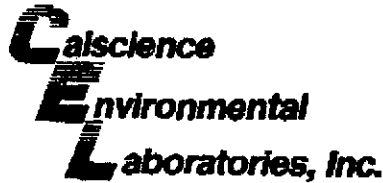
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

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 95616-8593

Date Received: 04/25/03
 Work Order No: 03-04-1445
 Preparation: N/A
 Method: EPA 410.4

Project: Tesoro Station 67107

Page 1 of 1

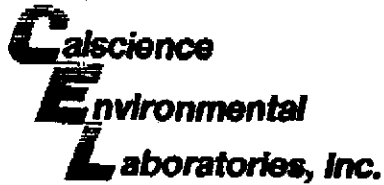
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-ET	03-04-1445-1	04/22/03	Aqueous	N/A	04/29/03	304290DB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	16	5	1		mg/L
Method Blank		03-05-062-1,459	N/A	Aqueous	N/A 04/29/03 304290DB1

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: 04/25/03
 Work Order No: 03-04-1445
 Preparation: N/A
 Method: EPA 160.2

Project: Tesoro Station 67107

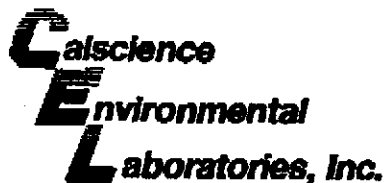
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
H2O-ET	03-04-1445-1	04/22/03	Aqueous	N/A	04/28/03	30425798D1

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

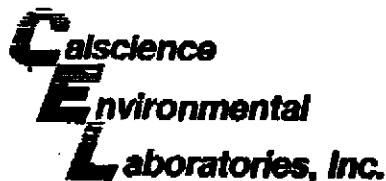
Date Received:
Work Order No:
Preparation:
Method:

4/25/2003
03-04-1445
N/A
EPA 410.4

Project: Tesoro Station 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
03-04-1517-8	Aqueous	UV 3	N/A	04/28/03	304290001

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifier
Chemical Oxygen Demand	1000	1000	1	0-25	



Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95618-6593

Date Received: 4/25/2003
Work Order No: 03-04-1445
Preparation: N/A
Method: EPA 160.2

Project: Tesoro Station 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
03-04-1445-1	Aqueous	N/A	N/A	04/25/03	30425785D1

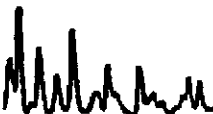
Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	26	26	0	0-25	

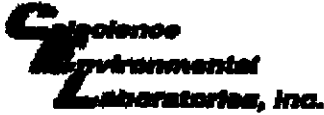
Calscience
E **Environmental**
L **Laboratories, Inc.**

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 03-04-1445

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





WORK ORDER #: 03 - 04 - 1445

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiff

DATE: 4/25/03

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

Initial: [Signature]

CUSTODY SEAL INTACT:

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

Initial: [Signature]

SAMPLE CONDITION:

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

Initial: [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. **(1445)** Page 1 of 1

Project Contact (Hardcopy or PDF to): **Joel Kiff** **Geotracker COELT EDD REPORT?**
 ___ YES X NO **Chain-of-Custody Record and Analysis Request**

Company/Address: **Kiff Analytical, LLC** Sampling Company Log Code: _____ **Analysis Request** Date Due: _____

Phone No.: _____ FAX No.: _____ Global ID: _____

Project Number: **67107** P.O. No.: **32848** EDF Deliverable to (Email Address): _____

Project Name: **Tesoro Station 67107** E-mail address: **Inbox@kiffanalytical.com**

Sample Designation	Sampling		Container				Preservative					Matrix		TSS	C.O.D.						Date Due	For Lab Use Only
	Date	Time	Glass Jar	Poly	Amber	Sleeve	HCl	HNO3	ICE	NONE	H2SO4	WATER	SOIL									

H2O-Eff	4/22/2003	4:04		2				X	1	1	X			X	X						X	

Relinquished by: <i>Oscar Alcala</i>	Date: 04/24/03	Time: 1830	Received by:	Remarks:
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date: 4/23/03	Time: 0730	Received by Laboratory: <i>[Signature]</i>	ED to:

TOTAL P. 08

APR-30-2003 17:25 P. 08



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

Lab No. 32848 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: RMM
 Recommended but not mandatory to complete this section:
 Sampling Company Log Code:

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

Analysis Request

Project Name: Tesoro Station 67107
 Sampler Signature: [Signature]

Project Address: San Lorenzo, CA
 Sampling Container Preservative Matrix

Analysis Request	TAT
BTEX (8021B)	12 hr/24 hr/48 hr/72 hr/1 wk For Lab Use Only
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)	TSS C.O.D.
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)	
TSS	
C.O.D.	

Sample Designation	Sampling		40 ml VOA	Container		Preservative				Matrix	
	Date	Time		SLEEVE	Poly	HCl	HNO ₃	ICE	NONE	WATER	SOIL
H ₂ O-Int	4/22/07	4:10	2			X		X			
H ₂ O-PAT-SFT	4/22/07	4:09	2			X		X			
H ₂ O-MID2	4/22/07	4:08	2			X		X			
H ₂ O-MID2	4/22/07	4:06	2			X		X			
H ₂ O-SFT	4/22/07	4:04	2	XX		X		X			

Relinquished by: [Signature] Date: 04/23/07 Time: 1555
 Received by: _____
 Relinquished by: _____ Date: _____ Time: _____
 Received by: _____
 Relinquished by: _____ Date: _____ Time: _____
 Received by Laboratory: Richard Munsch - KIFF Analytical

Remarks: STAT
 Bill to: Tesoro Petroleum / Rob Ponsuar



Report Number : 33377

Date : 6/6/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : Tesoro Station 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 : 33377

Date : 6/6/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : GW-Inf

Matrix : Water

Lab Number : 33377-01

Sample Date : 5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	8.0	0.50	ug/L	EPA 8260B	5/31/2003
Toluene	1.1	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	2.6	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	6.7	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	140	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	79	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff



Report Number : 33377

Date : 6/6/2003

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **GW-DAT-Eff**

Matrix : Water

Lab Number : 33377-02

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	4.3	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	99.3		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff



Report Number : 33377

Date : 6/6/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : GW-MID1

Matrix : Water

Lab Number : 33377-03

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	5.7	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	99.3		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff



Report Number : 33377

Date : 6/6/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : GW-MID2

Matrix : Water

Lab Number : 33377-04

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	0.77	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	95.6		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff



Report Number : 33377

Date : 6/6/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : GW-Eff

Matrix : Water

Lab Number : 33377-05

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	0.66	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	94.9		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff

Report Number : 33377

Date : 6/6/2003

QC Report : Method Blank Data

Project Name : **Tesoro Station 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	5/31/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	5/31/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	5/31/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	107		%	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	97.8		%	EPA 8260B	5/31/2003

<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



Report Number : 33377

Date : 6/6/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro Station 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 Recov. Limit	Relative Percent Diff. Limit
Benzene	33350-01	<0.50	40.0	40.0	41.3	41.6	ug/L	EPA 8260B	5/31/03	103	104	0.771	70-130	25
Toluene	33350-01	<0.50	40.0	40.0	41.2	41.5	ug/L	EPA 8260B	5/31/03	103	104	0.653	70-130	25
Tert-Butanol	33350-01	<5.0	200	200	214	213	ug/L	EPA 8260B	5/31/03	107	106	0.357	70-130	25
Methyl-t-Butyl Ether	33350-01	<0.50	40.0	40.0	40.3	42.0	ug/L	EPA 8260B	5/31/03	101	105	4.01	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joel Kiff

Report Number : 33377

Date : 6/6/2003

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro Station 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	5/31/03	98.6	70-130
Toluene	40.0	ug/L	EPA 8260B	5/31/03	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/31/03	98.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/31/03	100	70-130

KIFF ANALYTICAL, LLC

Approved By:  Joel Kiff

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

**Calscience
Environmental
Laboratories, Inc.**

June 06, 2003

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

Subject: Calscience Work Order No.: 03-05-1690
Client Reference: Tesoro Station 67107


Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/31/2003 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: 05/31/03
Work Order No: 03-05-1690
Preparation: N/A
Method: EPA 410.4

Project: Tesoro Station 67107

Page 1 of 1

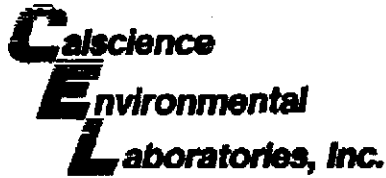
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GW-ET	03-05-1690-1	05/29/03	Aqueous	N/A	06/05/03	306050DB1

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	5.1	5.0	1		mg/L
Method Blank		099-05-062-1,485	N/A	Aqueous	N/A

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

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

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 695-5494 • FAX: (714) 694-7501



ANALYTICAL REPORT

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

Date Received: 05/31/03
Work Order No: 03-05-1690
Preparation: N/A
Method: EPA 160.2

Project: Tesoro Station 67107

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GW-ET	03-05-1690-1	05/29/03	Aqueous	N/A	05/02/03	30602TSSD1

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

1690



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

03-05-1690

Lab No. _____ Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff		Geotracker COELT EDD REPORT? ___ YES ___ X NO		Chain-of-Custody Record and Analysis Request																					
Company/Address: Kiff Analytical, LLC		Sampling Company Log Code:		Analysis Request																					
Phone No.:	FAX No.:	Global ID:		Chemical Oxygen Demand (COD)	Total Suspended Solids (TSS)															June 6, 2003	For Lab Use Only				
Project Number: 67107	P.O. No.: 33377	EDF Deliverable to (Email Address):																							
Project Name: Tesoro Station 67107		E-mail address: inbox@kiffanalytical.com																							
Project Address:	Sampling	Container	Preservative	Matrix																					
Sample Designation	Date	Time	Glass Jar	Poly	Amber	Sleeve	HCl	HNO3	ICE	NONE	H2SO4	WATER	SOIL												
GW-Eff	5/29/2003	10:22							X	1	1	X		X	X										
Relinquished by: <i>Don A. Frazier / KIFF ANALYTICAL</i>		Date 5/30/03	Time 1830	Received by:		Remarks:																			
Relinquished by:		Date	Time	Received by:																					
Relinquished by: <i>Cal Overnight</i>		Date 5/31/03	Time 10:00	Received by Laboratory: <i>Raymond Grant</i>		Bill to:																			

TOTAL P.04

JUN-06-2003 10:14

P.04

Project Contact (Hardcopy or PDF To): RM
 Company/Address: RM Environmental
 Phone No.: (916) 771-7086 FAX No.: (916) 771-4584
 Project Number: 67107 P.O. No.: 67107
 Project Name: Tesoro Station 67107
 Project Address: 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			Analysis Request											TAT								
	Date	Time	40 ml VOA	SLEEVE	PAPER	PAPER	HCl	HNO ₃	ICE	NONE	H ₂ SO ₄	WATER	SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8016)	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)	Other					
GW-Inf	5/24/03	10:30	2				X											X															
GW-DAT-eff		10:28	2				X											X															
GW-MIDI		10:26	2				X											X															
GW-MINI		10:24	2				X											X															
GW-Eff		10:22	2			1 1	X		X	X	X							X								X	X						

Analysis Request

Lead (7421/239.2) TOTAL (X) W.E.T. (X)
 Volatile Halocarbons (EPA 8260B)
 EPA 8260B (Full List)
 Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)
 7 Oxygenates (8260B)
 5 Oxygenates (8260B)
 7 Oxygenates/TPH Gas/BTEX (8260B)
 5 Oxygenates/TPH Gas/BTEX (8260B)
 TPH as Motor Oil (M8016)
 TPH as Diesel (M8015)
 BTEX/TPH Gas/MTBE (8021B/M8015)
 BTEX (8021B)

Co.D Chemical Oxygenates
TSS

12 hr/24 hr/48 hr/72 hr (1 wk)
For Lab Use Only

Relinquished by: <u>[Signature]</u>	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	053005	1159	John Cutler / Kiff Analytical

Remarks: STAT

Bill to: Tesoro Petroleum
Rob Romano



Report Number : 33835

Date : 7/2/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : Tesoro Station 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 : 33835

Date : 7/2/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-Inf

Matrix : Water

Lab Number : 33835-01

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	3.4	0.50	ug/L	EPA 8260B	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	0.78	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	1.2	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	250	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	6/26/2003

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 33835-02

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	2.2	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	6/26/2003

Approved By:  Joel Kiff

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



Report Number : 33835

Date : 7/2/2003

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **H2O-MID1**

Matrix : Water

Lab Number : 33835-03

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/26/2003

Sample : **H2O-MID2**

Matrix : Water

Lab Number : 33835-04

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	6/26/2003

Approved By:  Joel Kiff

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



Report Number : 33835

Date : 7/2/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : H2O-Eff

Matrix : Water

Lab Number : 33835-05

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	6/26/2003

Approved By:  Joel Kiff

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

Report Number : 33835

Date : 7/2/2003

QC Report : Method Blank Data

Project Name : Tesoro Station 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	6/26/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/26/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	101		%	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	6/26/2003

<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 : 33835


Date : 7/2/2003

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Tesoro Station 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	33839-06	<0.50	40.0	40.0	38.4	42.3	ug/L	EPA 8260B	6/26/03	96.0	106	9.57	70-130	25
Toluene	33839-06	<0.50	40.0	40.0	38.9	42.7	ug/L	EPA 8260B	6/26/03	97.3	107	9.31	70-130	25
Tert-Butanol	33839-06	<5.0	200	200	196	220	ug/L	EPA 8260B	6/26/03	97.8	110	11.6	70-130	25
Methyl-t-Butyl Ether	33839-06	<0.50	40.0	40.0	39.6	44.8	ug/L	EPA 8260B	6/26/03	99.0	112	12.2	70-130	25

Approved By:  _____
Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 33835

Date : 7/2/2003

QC Report : Laboratory Control Sample (LCS)

Project Name : **Tesoro Station 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	6/26/03	102	70-130
Toluene	40.0	ug/L	EPA 8260B	6/26/03	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/26/03	99.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/26/03	103	70-130

KIFF ANALYTICAL, LLC

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

Approved By:  _____
Joel Kiff

**Calscience
Environmental
Laboratories, Inc.**

July 10, 2003

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

Subject: **Calscience Work Order No.: 03-07-0178**
Client Reference: **Tesoro Station 67107**


Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/3/03 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 95618-6593

Date Received: 07/03/03
 Work Order No: 03-07-0178
 Preparation: N/A
 Method: EPA 410.4

Project: Tesoro Station 67107

Page 1 of 1

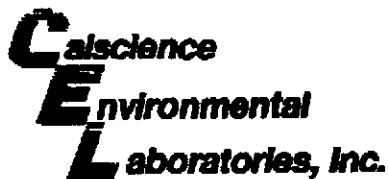
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
03-07-0178-1	03-07-0178-1	08/24/03	Aqueous	N/A	07/07/03	0307070081

Parameter	Result	RL	DF	Qual	Units
Chemical Oxygen Demand	7.7	5.0	1		mg/L
Method Blank		0.00-0.02-1,000		N/A	Aqueous

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	Date Received:	07/03/03
2795 2nd Street, Suite 300	Work Order No:	03-07-0178
Davis, CA 95616-6593	Preparation:	N/A
	Method:	EPA 160.2

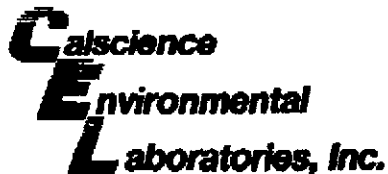
Project: Tesoro Station 67107

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
1120-51	03-07-0178-1	08/24/03	Aqueous	N/A	07/03/03	30707189D1

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) 695-5494 • FAX: (714) 694-7501



Quality Control - Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95618-8583

Date Received: 7/3/03
Work Order No: 03-07-0178
Preparation: N/A
Method: EPA 410.4

Project: Tesoro Station 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
03-07-0178-2	Aqueous	UV 3	N/A	07/03/03	30707Q001

Parameter	Sample Conc.	DUP Conc	RPD	RPD CL	Qualifier
Chemical Oxygen Demand	140	140	1	0-25	



Quality Control - Duplicate

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

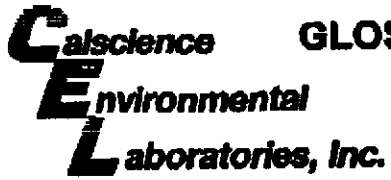
Date Received:
Work Order No:
Preparation:
Method:

7/3/03
03-07-0178
N/A
EPA 160.2

Project: Tesoro Station 67107

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
03-07-0178-1	Aqueous	NA	NA	07/03/03	30707TSSD1

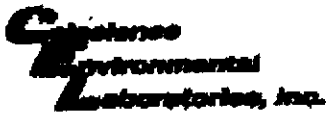
Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifier
Solids, Total Suspended	ND	ND	NA	0-25	



GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 03-07-0178

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



WORK ORDER #: 03-07-0178

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIEG

DATE: 7/3/03

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

Initial: KL

CUSTODY SEAL INTACT:

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

Initial: KL

SAMPLE CONDITION:

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

Initial: KL

COMMENTS:



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

Lab No. 33835

Page 1 of 1

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

Chain-of-Custody Record and Analysis Request

Company/Address: **ERM Environmental**

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

Phone No.: **(916) 771-7098** FAX No.: **(916) 771-4584**
 Project Number: **6767** P.O. No.: **67107**

Global ID:
 EDF Deliverable To (Email Address):

Analysis Request

Project Name: **Tesoro Station 6767**

Sampler Signature: *[Signature]*

Project Address: **44 Lemelling Blvd.
 San Lorenzo, CA**

Date	Time	Sampling		Container		Preservative				Matrix		
		40 ml VOA	SLEEVE	Poly	Poly	HCl	HNO ₃	ICE	NONE	H ₂ SO ₄	WATER	SOIL
6/24/07	3:10	2				X					X	
6/24/07	3:08	2				X					X	
6/24/07	3:06	2				X					X	
6/24/07	3:04	7				X					X	
6/24/07	3:02	2		11		X		X	X	X		

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)	Chemical Demand	TAT
				X									CPD oxygen Demand	
				X									TSS	
				X										12 hr/24 hr/48 hr/72 hr/1 wk
				X										For Lab Use Only
				X										
				X										

Relinquished by: <i>[Signature]</i>	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by Laboratory: Osama Abdou

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



Report Number : 32838

Date : 4/27/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 4 Air Samples
Project Name : Tesoro Station 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 : 32838

Date : 4/27/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : SVE-Inf

Matrix : Air

Lab Number : 32838-01

Sample Date : 4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Toluene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	4/24/2003
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	95.5		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32838

Date : 4/27/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : SVE-MID

Matrix : Air

Lab Number : 32838-02

Sample Date :4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Toluene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	4/24/2003
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	94.4		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32838

Date : 4/27/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : SVE-Eff

Matrix : Air

Lab Number : 32838-03

Sample Date :4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Toluene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	4/24/2003
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



Report Number : 32838

Date : 4/27/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : DAT-Eff

Matrix : Air

Lab Number : 32838-04

Sample Date :4/22/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Toluene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	4/24/2003
Methyl-t-butyl ether	< 0.10	0.10	ppmv	EPA 8260B	4/24/2003
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	4/24/2003
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	4/24/2003
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	4/24/2003

Approved By:  Joel Kiff



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

Lab No. 32838

Page 1 of 1

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

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

Phone No.: (916) 771-7098 FAX No.: (916) 771-4504
 Global ID:

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

Project Name: Texas Station 67107
 Sampler Signature: [Signature]

Project Address: San Lorenzo

Sample Designation	Sampling		Container				Preservative				Matrix		
	Date	Time	40 ml VOA	SLEEVE	Red Lin	HCl	HNO ₃	ICE	NONE	WATER	SOIL	AIR	
SVE-Inf	4/22/03	4:38		X								X	
SVE-MID	4/22/03	4:36		X								X	
SVE-Eff	4/22/03	4:30		X								X	
DAT-Eff	4/22/03	4:30		X								X	

Chain-of-Custody Record and Analysis Request

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/88015)	TPH as Diesel (88015)	TPH as Motor Oil (88015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT
				X									12 hr / 24 hr / 48 hr / 72 hr / 1 wk
				X									For Lab Use Only
				X									01
				X									02
				X									03
				X									04

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: Texas Petroleum
Rob Ponomarev



Report Number : 33374

Date : 6/6/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 4 Air Samples
Project Name : Tesoro Station 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 : 33374

Date : 6/6/2003

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **SVE-Inf**

Matrix : Air

Lab Number : 33374-01

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	5/31/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	84.5		% Recovery	EPA 8260B	5/31/2003

Sample : **SVE-MID**

Matrix : Air

Lab Number : 33374-02

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	5/31/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	108		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	81.5		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff



Report Number : 33374

Date : 6/6/2003

Project Name : Tesoro Station 67107

Project Number : 67107

Sample : SVE-Eff

Matrix : Air

Lab Number : 33374-03

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	5/31/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	82.8		% Recovery	EPA 8260B	5/31/2003

Sample : DAT-Eff

Matrix : Air

Lab Number : 33374-04

Sample Date :5/29/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	5/31/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	5/31/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	5/31/2003
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	5/31/2003
4-Bromofluorobenzene (Surr)	81.8		% Recovery	EPA 8260B	5/31/2003

Approved By:  Joel Kiff

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



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

Lab No. 33374 Page 1 of 1

Project Contact (Hardcopy or PDF To):
Richard Munsel

California EDF Report? Yes No

Chain-of-Custody Record and Analysis Request

Company/Address:
RMM 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:
Tesoro Station 67107

Sampler Signature:
[Signature]

Project Address:
San Lorenzo CA

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

Analysis Request

<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"/>	<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"/>
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 Hydrocarbons (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

Sample Designation

Sample Designation	Date	Time	40 ml VOA	SLEEVE	Tedlar	HCl	HNO ₃	ICE	NONE	WATER	SOIL	ALV	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 Hydrocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)										
<i>SVE-Inf</i>	<i>5/29/07</i>	<i>10:50</i>			<i>1</i>												<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>														<i>01</i>
<i>SVE-MID</i>	<i>5/29/07</i>	<i>10:48</i>			<i>1</i>												<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>														<i>02</i>
<i>SVE-Off</i>	<i>5/29/07</i>	<i>10:46</i>			<i>1</i>												<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>														<i>03</i>
<i>DAT-Off</i>	<i>5/29/07</i>	<i>10:44</i>			<i>1</i>												<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>														<i>04</i>

Relinquished by: *[Signature]*

Date: _____ Time: _____ Received by: _____

Remarks: STAT

Relinquished by: _____

Date: _____ Time: _____ Received by: _____

Relinquished by: _____

Date: *053003* Time: *1132* Received by Laboratory: *[Signature]* Kiff Analytical

Bill to: *Tesoro Refiner* ~~*[Signature]*~~ *Rob Pomour*



Report Number : 33833

Date : 6/27/2003

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 4 Air Samples
Project Name : Tesoro Station 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 : 33833

Date : 6/27/2003

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **SVE-INF**

Matrix : Air

Lab Number : 33833-01

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	6/26/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	94.8		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	6/26/2003

Sample : **SVE-MID**

Matrix : Air

Lab Number : 33833-02

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Methyl-t-butyl ether	0.12	0.10	Molar ppm	EPA 8260B	6/26/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	6/26/2003

Approved By:  Joel Kiff



Report Number : 33833

Date : 6/27/2003

Project Name : **Tesoro Station 67107**

Project Number : **67107**

Sample : **SVE-EFF**

Matrix : Air

Lab Number : 33833-03

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	6/26/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	6/26/2003

Sample : **DAT-EFF**

Matrix : Air

Lab Number : 33833-04

Sample Date :6/24/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	6/26/2003
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	6/26/2003
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	6/26/2003
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	6/26/2003
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/26/2003

Approved By:  Joel Kiff

