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RDM Environmental

6280 Brookshire Drive, Rocklin, CA 95677 Tel: (916) 415-1134, FAX :(916) 415-1154

January 15, 2006

Ms. Cat Runden
Tesoro Environmental Resources Company
3450 S. 344th Way, Suite 100
Auburn WA 98001-5931

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report, **Fourth Quarter 2005***
Tesoro Station No. 67062
(Former Beacon Station No. 3700)
7898 Old Redwood Highway
Cotati, California
RDM Project No. 00-3700

Dear Ms. Runden:

On Behalf of Tesoro Environmental Resources Company (Tesoro), RDM Environmental (RDM) has prepared the following quarterly ground water monitoring report. This report describes quarterly ground water monitoring activities and remediation system status for the **Fourth Quarter 2005**.

Work Performed During the Fourth Quarter 2005:

- Ground water sampling was conducted on **November 4, 2005.**
- Operation and maintenance was conducted bi-monthly on the remediation system.
- All of the trenching, piping, and resurfacing for the proposed ozone sparge system were completed during the **Fourth Quarter 2005.**

STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is tabulated in Table 1. A site location map, site map, ground water elevation contour map for the A-Zone and B-Zone, and benzene, total petroleum hydrocarbon (TPH) as gasoline, and methyl-t-butyl ether iso-concentration maps for both the A-Zone and B-Zone are illustrated on Figures 1 through 10, respectively. MTBE is the primary chemical of concern for this site. Tesoro was directed by the Regional Water Quality Control Board to evaluate varying ground water characteristics of the two upper water bearing zones (A-Zone 10 to 20 feet below surface grade (bsg) and B-Zone 30 to 40 feet bsg). Figures 3 through 10 are a reflection of this evaluation.

The site history is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results are included in Enclosure C. Historical ground water monitoring data is included in Enclosure D.

- Local ground water flows towards the recovery wells and historical ground water flow direction is to the south.

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of ground water treatment and air sparging components. A process flow diagram showing details of the system is shown as Figure 11.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **Fourth Quarter 2005** on:
    - **October 14 and 27, 2005**
    - **November 1 and 20, 2005**
    - **December 7 and 19, 2005**

Ground Water Extraction System Performance:

- The ground water treatment system operated continuously during the **Fourth Quarter 2005**.
- During the **Fourth Quarter 2005**, the ground water treatment system processed approximately **10,920** gallons.
- As of **December 19, 2005**, the ground water treatment system has processed approximately **2,433,670** gallons.
- The ground water treatment system performance data is included in Table 2. Remediation system analytical results are included in Enclosure E.
- The ground water treatment system extracts ground water from recovery wells RW-2 and RW-3A.

Air Sparging System Performance:

- The air sparging system did not operate during the **Fourth Quarter 2005.** The air sparge system was shut off during the ozone sparge test so as not to interfere with the ozone test results.
- When operational, the air sparging system injects air into monitoring wells MW-2, MW-4, MW-8, MW-9, MW-10, MW-14, and MW-19.
- When operational air-sparging compressor runs on a 50/50 duty cycle.
- Due to heavy rains during December 2005, the air sparge system was not restarted during the **Fourth Quarter 2005**.

Purge Water & Disposal

Purge water from the quarterly ground water monitoring event was pumped through the onsite remediation system and discharged into the sanitary sewer under permit.

CONCLUSIONS/RECOMMENDATIONS

The ground water treatment system performance data included in Table 2 indicates the ground water treatment system is extracting and treating elevated concentrations of dissolved MTBE. The low flow through the ground water treatment system can be attributed to the dry season and age of the air stripper tower and totalizer. The air stripper and ground water system were not modified during the **Fourth Quarter 2005** as planned due to the heavy rains and localized flooding in December 2005. In addition, the

existing air sparge system was not operational and the proposed ozone system was not installed due to the heavy rains and localized flooding. RDM has been authorized by Tesoro to install a gravel service road to the back of the equipment compound to complete the installation of the remediation system. RDM anticipates completing the remediation system modifications and building the service road during the first quarter 2006.

RDM recommends continued operation of the remediation system and continuing quarterly ground water monitoring activities. RDM is moving forward with the full scale ozone system. Installation of the ozone sparge system is tentatively scheduled for January 2006.

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 that this report be forwarded to the following agency:

Ms. Beth Lamb
California Regional Water Quality Control Board,
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

If you have any questions concerning this project, please contact Richard Munsch at (916) 415-1134.

RDM ENVIRONMENTAL

Richard D. Munsch
Project Manager

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

REGISTERED PROFESSIONAL ENGINEER
MICHAEL G. LEE
No. C055795
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CIVIL
STATE OF CALIFORNIA

RDM (67062 4Q GWM 11-04-05.doc)

cc: Ms. Tammy Devol – Santa Rosa Sub-Regional Water Reclamation System

Enclosures:

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

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	08/20/98	106.58	12.16	94.42	<50	<50	<50	<50	<5,000	1,000	NA	No LPH or sheen
	11/18/98		16.26	90.32	<0.5	<0.5	<0.5	0.76	74	140	NA	No LPH or sheen
	02/15/99		11.78	94.80	0.72	0.93	<0.5	1.5	69	6,800	NA	No LPH or sheen
	05/19/99		12.51	94.07	<0.5	<0.5	<0.5	<0.5	73	38	NA	No LPH or sheen
	09/08/99		15.97	90.61	<0.5	0.76	<0.5	<0.5	130	580	NA	No LPH or sheen
	11/24/99		17.37	89.21	<2.5	3.7	<2.5	<2.5	4200	6,900	NA	No LPH or sheen
	03/15/00		10.50	96.08	<2.0	<2.0	<2.0	<2.0	<200	16,000	NA	No LPH or sheen
	11/27/00		17.03	89.55	<5.0	<5.0	<5.0	<5.0	<500	1,700	NA	No LPH or sheen
	02/13/01		14.26	92.32	<5.0	<5.0	<5.0	<5.0	<500	2,800	NA	No LPH or sheen
	06/14/01		15.27	91.31	<2.5	<2.5	<2.5	<2.5	<250	1,100	NA	No LPH or sheen
	08/28/01		17.59	88.99	<5.0	<5.0	<5.0	<5.0	3000	<500	NA	No LPH or sheen
	11/26/01		18.05	88.53	<2.0	<2.0	<2.0	<2.0	<200	660	NA	No LPH or sheen
	03/07/02	108.69	12.15	95.54	<50	<50	<50	<50	<5,000	21,000	NA	No LPH or sheen
	06/10/02		14.78	93.91	<10	<10	<10	<10	24000	4,300	NA	No LPH or sheen
	08/26/02		17.22	91.47	<5.0	<5.0	<5.0	<5.0	<500	2,100	NA	No LPH or sheen
	11/27/02		18.75	89.94	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		13.29	95.40	<25	<25	<25	<25	<2,500	10,000	3400[a]	No LPH or sheen
	05/28/03		13.41	95.28	<1.5	<1.5	<1.5	<1.5	<200	600	970[a]	No LPH or sheen
	08/11/03		15.32	93.37	<5.0	<5.0	<5.0	<5.0	<500	1,,700	2,300[a]	No LPH or sheen
	11/20/03		18.21	90.48	<1.5	<1.5	<1.5	<1.5	<200	830	2200[a]	No LPH or sheen
	03/12/04		11.68	97.01	4.0	1.2	<1.0	1.7	110	130	2100[a]	No LPH or sheen
	05/01/04		13.34	95.35	<0.5	<0.5	<0.5	<0.5	81	91	1300[a]	No LPH or sheen
	07/09/04		14.61	94.08	<0.5	<0.5	<0.5	<0.5	75	36	600[a]	No LPH or sheen
	11/19/04		14.88	93.81	<0.5	<0.5	<0.5	<0.5	98	11	200[a]	No LPH or sheen
	02/18/05		11.70	96.99	<0.5	<0.5	<0.5	<0.5	100	27	910[a]	No LPH or sheen
	04/29/05		11.15	97.54	<0.5	<0.5	<0.5	<0.5	86	79	1,400[a]	No LPH or sheen
	07/25/05		11.50	97.19	<0.5	<0.5	<0.5	<0.5	66	49	360[a]	No LPH or sheen
	11/04/05		12.83	95.86	<0.5	<0.5	<0.5	<0.5	78	23	120[a]	No LPH or sheen

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Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	08/20/98	105.99	12.39	93.60	NS	NS	NS	NS	NS	NS	NA	Not sampled
	11/18/98		16.04	89.95	NS	NS	NS	NS	NS	NS	NA	Not sampled
	02/15/99		10.99	95.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		11.94	94.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.86	90.13	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.14	88.85	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		9.16	96.83	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		18.70	87.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		13.24	92.75	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.08	91.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		16.31	89.68	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		17.01	88.98	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.60	11.88	96.72	<0.5	<0.5	<0.5	<0.5	<50	140	NA	No LPH or sheen
	06/10/02		14.20	94.40	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.70	91.90	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.12	90.48	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.60	96.00	<0.5	<0.5	<0.5	<0.5	<50	88	ND	No LPH or sheen
	05/28/03		11.55	97.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		14.81	93.79	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		17.90	90.70	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		10.43	98.17	<0.5	<0.5	<0.5	<0.5	<50	760	ND	Not sampled
	05/01/04		12.63	95.97	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		14.16	94.44	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		14.29	94.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		9.96	98.64	<0.5	<0.5	<0.5	<0.5	<50	19.0	ND	No LPH or sheen
	04/29/05		9.85	98.75	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		10.27	98.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		12.01	96.59	NS	NS	NS	NS	NS	NS	NS	Not sampled

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MW-4	08/20/98	104.52	12.74	91.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		14.91	89.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		13.12	91.40	<0.5	<0.5	<0.5	<0.5	86	15	NA	No LPH or sheen
	05/19/99		10.44	94.08	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.50	88.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.40	87.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		9.44	95.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		18.98	85.54	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		15.83	88.69	<0.5	<0.5	<0.5	<0.5	<50	< 0.5	NA	No LPH or sheen
	06/14/01		14.90	89.62	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		17.46	87.06	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		19.92	84.60	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.18	11.65	95.53	<0.5	<0.5	<0.5	<0.5	<50	< 0.5	NA	No LPH or sheen
	06/10/02		14.06	93.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.58	90.60	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		17.98	89.20	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	05/28/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	08/11/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	11/20/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	03/12/04		8.85	98.33	0.75	<0.5	<0.5	2.60	<50	3.1	7.5[a], 0.58[b]	No LPH or sheen
	05/01/04		10.88	96.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		13.80	93.38	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		14.16	93.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.66	98.52	<0.5	<0.5	<0.5	0.67	<50	2.6	ND	No LPH or sheen
	04/29/05		7.38	99.80	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		7.57	99.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		10.18	97.00	NS	NS	NS	NS	NS	NS	NS	Not sampled

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MW-5	08/20/98	104.91	12.63	92.28	2.6	0.72	<0.5	0.54	350	<50	NA	No LPH or sheen
	11/18/98		15.40	89.51	1.7	0.7	<0.5	1.1	<50	<5.0	NA	No LPH or sheen
	02/15/99		12.88	92.03	0.91	<0.5	<0.5	<0.5	61	<5.0	NA	No LPH or sheen
	05/19/99		9.65	95.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.07	89.84	1.5	<0.5	<0.5	1.3	120	<5.0	NA	No LPH or sheen
	11/24/99		16.95	87.96	2.0	0.55	<0.5	1.3	200	<5.0	NA	No LPH or sheen
	03/15/00		8.31	96.60	<0.5	<0.5	<0.5	<0.5	59	<5.0	NA	No LPH or sheen
	11/27/00		17.32	87.59	2.2	<0.5	<0.5	0.75	230	<0.5	NA	No LPH or sheen
	02/13/01		15.81	89.10	2.4	0.54	<0.5	0.98	120	0.58	NA	No LPH or sheen
	06/14/01		14.82	90.09	2.6	<0.5	<0.5	0.88	89	<0.5	NA	No LPH or sheen
	08/28/01		17.40	87.51	3.0	0.6	<0.5	0.73	550	<0.5	NA	No LPH or sheen
	11/26/01		20.22	84.69	2.7	<0.5	<0.5	0.85	390	<0.5	NA	No LPH or sheen
	03/07/02	106.84	10.60	96.24	1.2	2.9	<0.5	<0.5	160	<0.5	NA	No LPH or sheen
	06/10/02		12.99	93.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		15.21	91.63	1.3	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.19	87.65	2.2	0.54	<0.5	0.61	<50	<0.5	ND	No LPH or sheen
	02/27/03		12.35	94.49	0.67	0.79	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		11.16	95.68	0.64	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		14.90	91.94	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		17.30	89.54	1.6	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		8.57	98.27	0.7	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		10.19	96.65	0.63	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		12.93	93.91	1.30	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		13.64	93.20	1.30	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		7.99	98.85	<0.5	0.75	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	04/29/05		6.80	100.04	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/25/05		6.59	100.25	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/04/05		9.72	97.12	1.0	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

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MW-6	08/20/98	107.81	12.81	95.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.98	90.83	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		12.58	95.23	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		9.54	98.27	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.01	92.80	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		15.98	91.83	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		10.56	97.25	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.01	90.80	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		15.00	92.81	<0.5	<0.5	<0.5	<0.5	<50	3.7	NA	No LPH or sheen
	06/14/01		15.78	92.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		18.29	89.52	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		18.62	89.19	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	110.20	12.43	97.77	<0.5	<0.5	<0.5	<0.5	<50	6.4	NA	No LPH or sheen
	06/10/02		14.91	95.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		17.38	92.82	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.81	91.39	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		13.28	96.92	<0.5	<0.5	<0.5	<0.5	<50	4.7	ND	No LPH or sheen
	05/28/03		12.81	97.39	<0.5	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		15.42	94.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		18.44	91.76	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		10.86	99.34	NS	NS	NS	NS	NS	NS	NS	Not sampled
	05/01/04		13.11	97.09	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		15.24	94.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		15.29	94.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		10.57	99.63	<0.5	<0.5	<0.5	<0.5	<50	2.2	ND	No LPH or sheen
	04/29/05		10.37	99.83	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		9.20	101.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		12.85	97.35	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	08/20/98	106.31	12.26	94.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		15.36	90.95	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		9.82	96.49	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.75	95.56	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.03	90.28	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.01	89.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.30	98.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.20	89.11	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		11.72	94.59	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		12.70	93.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		15.68	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		15.91	90.40	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.12	9.61	98.51	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.10	96.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		15.51	92.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		16.62	91.50	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		10.49	97.63	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.31	97.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		12.92	95.20	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		16.10	92.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.83	99.29	<0.5	<0.5	<0.5	<0.5	<50	100	ND	No LPH or sheen
	05/01/04		10.95	97.17	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.63	95.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		12.70	95.42	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.75	99.37	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	04/29/05		8.70	99.42	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		8.18	99.94	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		10.62	97.50	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	08/20/98	106.50	12.43	94.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		15.04	91.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		11.61	94.89	<0.5	<0.5	<0.5	<0.5	<50	28	NA	No LPH or sheen
	05/19/99		11.95	94.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.42	91.08	<0.5	<0.5	<0.5	<0.5	<50	5.9	NA	No LPH or sheen
	11/24/99		15.45	91.05	<0.5	0.51	<0.5	0.6	<50	10	NA	No LPH or sheen
	03/15/00		7.57	98.93	<0.5	<0.5	<0.5	<0.5	59	<5.0	NA	No LPH or sheen
	11/27/00		15.93	90.57	<0.5	<0.5	<0.5	<0.5	<50	0.6	NA	No LPH or sheen
	02/13/01		11.37	95.13	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		13.19	93.31	<0.5	<0.5	<0.5	<0.5	<50	0.95	NA	No LPH or sheen
	08/28/01		16.17	90.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		Dry	NC	NS	NS	NS	NS	NS	NS	NS	Dry
	03/07/02	108.54	7.80	100.74	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.33	96.21	<0.5	<0.5	<0.5	<0.5	<50	3.7	NA	No LPH or sheen
	08/26/02		15.78	92.76	<0.5	<0.5	<0.5	<0.5	<50	8.0	NA	No LPH or sheen
	11/27/02		16.70	91.84	<0.5	<0.5	<0.5	<0.5	<50	110	19[a]	No LPH or sheen
	02/27/03		9.52	99.02	<0.5	<0.5	<0.5	<0.5	<50	0.6	ND	No LPH or sheen
	05/28/03		10.78	97.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		13.27	95.27	<0.5	<0.5	<0.5	<0.5	<50	8.3	ND	No LPH or sheen
	11/20/03		16.55	91.99	<0.5	<0.5	<0.5	<0.5	<50	140	18[a]	No LPH or sheen
	03/12/04		8.54	100.00	<0.5	<0.5	<0.5	<0.5	<50	6.4	ND	No LPH or sheen
	05/01/04		10.99	97.55	<0.5	<0.5	<0.5	<0.5	<50	15	ND	No LPH or sheen
	07/09/04		12.42	96.12	<0.5	<0.5	<0.5	<0.5	<50	28	ND	No LPH or sheen
	11/19/04		12.70	95.84	<0.5	<0.5	<0.5	<0.5	<50	11	ND	No LPH or sheen
	02/18/05		8.84	99.70	0.89	1.6	<0.5	0.94	<50	<0.5	ND	No LPH or sheen
	04/29/05		9.19	99.35	<0.5	<0.5	<0.5	<0.5	<50	1.7	ND	No LPH or sheen
	07/25/05		9.52	99.02	<0.5	<0.5	<0.5	<0.5	<50	4.1	ND	No LPH or sheen
	11/04/05		10.60	97.94	<0.5	<0.5	<0.5	<0.5	<50	19.0	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	08/20/98	106.25	11.41	94.84	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		15.86	90.39	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		11.72	94.53	<0.5	<0.5	<0.5	<0.5	<50	9.1	NA	No LPH or sheen
	05/19/99		11.98	94.27	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.47	90.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		16.70	89.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		5.85	100.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		12.16	94.09	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		6.01	100.24	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		10.30	95.95	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		12.13	94.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		12.50	93.75	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.39	6.05	102.34	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		8.70	99.69	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		11.50	96.89	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		17.76	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		8.94	99.45	<0.5	<0.5	<0.5	<0.5	<50	0.57	ND	No LPH or sheen
	05/28/03		9.81	98.58	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		12.06	96.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		14.98	93.41	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		6.59	101.80	<0.5	<0.5	<0.5	<0.5	<50	0.73	ND	No LPH or sheen
	05/01/04		8.36	100.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		11.21	97.18	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		9.42	98.97	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		6.90	101.49	<0.5	<0.5	<0.5	<0.5	<50	0.98	ND	No LPH or sheen
	04/29/05		6.78	101.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		8.13	100.26	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		8.81	99.58	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-10	08/20/98	106.47	12.84	93.63	2.3	1.2	4.5	26	420	<5.0	NA	No LPH or sheen
	11/18/98		15.73	90.74	3.5	2.2	4.9	33	1100	9.7	NA	No LPH or sheen
	02/15/99		11.64	94.83	5.4	0.71	12	43	630	<5.0	NA	No LPH or sheen
	05/19/99		11.80	94.67	<0.5	<0.5	<0.5	0.56	69	<5.0	NA	No LPH or sheen
	09/08/99		15.26	91.21	1.9	0.69	6.0	26	770	<5.0	NA	No LPH or sheen
	11/24/99		16.46	90.01	1.2	0.74	3.8	21	1100	<5.0	NA	No LPH or sheen
	03/15/00		8.22	98.25	<0.5	<0.5	<0.5	0.87	58	<5.0	NA	No LPH or sheen
	11/27/00		16.95	89.52	<0.5	<0.5	2.8	18	1,000	0.66	NA	No LPH or sheen
	02/13/01		14.39	92.08	<0.5	<0.5	<0.5	0.71	<50	0.76	NA	No LPH or sheen
	06/14/01		15.07	91.40	<0.5	<0.5	1.9	11	750	1.0	NA	No LPH or sheen
	08/28/01		17.31	89.16	1.1	0.68	8.7	54	1,900	2.8	NA	No LPH or sheen
	11/26/01		Dry	NC	NS	NS	NS	NS	NS	NS	NS	Dry
	03/07/02	108.60	10.71	95.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.82	94.78	<0.5	<0.5	<0.5	<1.0	<50	0.52	NA	No LPH or sheen
	08/26/02		16.81	91.79	<0.5	<0.5	<0.5	1.9	71	0.53	NA	No LPH or sheen
	11/27/02		18.38	90.22	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.40	96.20	<0.5	<0.5	<0.5	1.9	130	0.54	ND	No LPH or sheen
	05/28/03		11.65	96.95	<0.5	<0.5	<0.5	<0.5	<50	0.91	ND	No LPH or sheen
	08/11/03		14.43	94.17	<0.5	<0.5	<0.5	<0.5	<50	0.66	ND	No LPH or sheen
	11/20/03		17.69	90.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		9.44	99.16	<0.5	<0.5	3.10	20	720	1.2	ND	No LPH or sheen
	05/01/04		11.26	97.34	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.86	95.74	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		9.72	98.88	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		9.42	99.18	<0.5	<0.5	1.1	6.2	220	0.66	ND	No LPH or sheen
	04/29/05		8.71	99.89	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		9.03	99.57	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		10.45	98.15	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-13	08/20/98	106.01	11.01	95.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		14.29	91.72	<0.5	<0.5	<0.5	<0.5	<50	81	NA	No LPH or sheen
	02/15/99		9.42	96.59	<0.5	<0.5	<0.5	<0.5	<50	120	NA	No LPH or sheen
	05/19/99		10.11	95.90	<0.5	<0.5	<0.5	<0.5	<50	72	NA	No LPH or sheen
	09/08/99		13.46	92.55	<0.5	<0.5	<0.5	<0.5	<50	10	NA	No LPH or sheen
	11/24/99		14.47	91.54	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		7.70	98.31	<0.5	<0.5	<0.5	<0.5	<50	92	NA	No LPH or sheen
	11/27/00		14.91	91.10	<0.5	<0.5	<0.5	<0.5	<50	23	NA	No LPH or sheen
	02/13/01		11.64	94.37	<0.5	<0.5	<0.5	0.71	<50	35	NA	No LPH or sheen
	06/14/01		12.80	93.21	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No LPH or sheen
	08/28/01		15.45	90.56	<0.5	<0.5	<0.5	<0.5	510	4.9	NA	No LPH or sheen
	11/26/01		15.45	90.56	<0.5	<0.5	<0.5	<0.5	<50	3.5	NA	No LPH or sheen
	03/07/02	108.09	9.15	98.94	<0.5	<0.5	<0.5	<0.5	<50	100	NA	No LPH or sheen
	06/10/02		11.96	96.13	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No LPH or sheen
	08/26/02		15.27	92.82	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No LPH or sheen
	11/27/02		16.80	91.29	<0.5	<0.5	<0.5	<0.5	<50	4.7	ND	No LPH or sheen
	02/27/03		10.20	97.89	<0.5	<0.5	<0.5	<0.5	<50	37	ND	No LPH or sheen
	05/28/03		10.11	97.98	<0.5	<0.5	<0.5	<0.5	<50	7.4	ND	No LPH or sheen
	08/11/03		12.14	95.95	<0.5	<0.5	<0.5	<0.5	<50	3.1	ND	No LPH or sheen
	11/20/03		16.09	92.00	<0.5	<0.5	<0.5	<0.5	<50	1.8	ND	No LPH or sheen
	03/12/04		8.37	99.72	<0.5	<0.5	<0.5	<0.5	<50	10	ND	No LPH or sheen
	05/01/04		10.28	97.81	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No LPH or sheen
	07/09/04		11.32	96.77	<0.5	<0.5	<0.5	<0.5	<50	1.5	ND	No LPH or sheen
	11/19/04		11.67	96.42	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	02/18/05		8.37	99.72	<0.5	<0.5	<0.5	<0.5	<50	0.69	ND	No LPH or sheen
	04/29/05		8.09	100.00	<0.5	<0.5	<0.5	<0.5	<50	2.2	ND	No LPH or sheen
	07/25/05		8.61	99.48	<0.5	<0.5	<0.5	<0.5	<50	0.96	ND	No LPH or sheen
	11/04/05		9.57	98.52	<0.5	<0.5	<0.5	<0.5	<50	0.87	ND	No LPH or sheen

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7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-14	08/20/98	106.64	13.91	92.73	550	240	73	1,100	6400	7,600	NA	No LPH or sheen
	11/18/98		18.75	87.89	4.7	9.8	7.0	87	660	24	NA	No LPH or sheen
	02/15/99		15.51	91.13	<0.5	<0.5	<0.5	<0.5	75	67	NA	No LPH or sheen
	05/19/99		14.12	92.52	4,500	1,400	960	4,000	34000	13,000	NA	No LPH or sheen
	09/08/99		17.77	88.87	2,400	1,100	670	3,000	28000	4,700	NA	No LPH or sheen
	11/24/99		18.70	87.94	380	100	190	310	4200	2,800	NA	No LPH or sheen
	03/15/00		12.57	94.07	1,900	670	630	2,400	30,000	12,000	NA	No LPH or sheen
	11/27/00		19.53	87.11	1,700	430	350	1,400	16,000	9,900	NA	No LPH or sheen
	02/13/01		16.84	89.80	1,100	330	240	1,000	9,900	10,000	NA	No LPH or sheen
	06/14/01		17.71	88.93	2,500	620	460	1,600	17,000	6,600	NA	No LPH or sheen
	08/28/01		19.90	86.74	2,300	540	510	1,600	17,000	7,800	NA	No LPH or sheen
	11/26/01		21.23	85.41	1,500	430	330	1,200	13,000	4,600	NA	No LPH or sheen
	03/07/02	108.31	14.51	93.80	1,700	480	570	1,800	18,000	3,400	NA	No LPH or sheen
	06/10/02		16.86	91.45	1,900	410	450	1,300	13,000	3,300	NA	No LPH or sheen
	08/26/02		19.02	89.28	15	<5.0	<5.0	<5.0	1,400	3,000	NA	No LPH or sheen
	11/27/02		21.51	86.80	680	200	210	860	15,000	4,400	620[a]	No LPH or sheen
	02/27/03		15.56	92.75	490	70	72	220	4,400	2,700	430[a]	No LPH or sheen
	05/28/03		15.37	92.94	430	41	52	130	3,600	1,700	400[a]	No LPH or sheen
	08/11/03		17.50	90.81	25	3.8	2.1	9.6	910	960	250[a]	No LPH or sheen
	11/20/03		20.21	88.10	32	2.3	<2.0	7.0	1,100	1,400	210[a]	No LPH or sheen
	03/12/04		13.31	95.00	3,100	660	360	1,400	18,000	3,100	710[a]	No LPH or sheen
	05/01/04		14.94	93.37	2,400	320	260	870	16,000	3,600	630[a]	No LPH or sheen
	07/09/04		16.27	92.04	2,300	240	210	760	14,000	2,700	620[a]	No LPH or sheen
	11/19/04		16.44	91.87	1,000	120	81	320	6,200	1,100	900[a], 0.94[b], 0.61[b]	No LPH or sheen
	02/18/05		13.09	95.22	1,400	180	120	470	8,100	890	1,100[a]	No LPH or sheen
	04/29/05		12.30	96.01	1,900	300	160	720	11,000	850	840[a]	No LPH or sheen
	07/25/05		12.90	95.41	840	100	73	240	4,000	370	450[a]	No LPH or sheen
	11/04/05		13.94	94.37	690	36	36	150	3,400	290	370[a]	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-15	08/20/98	105.12	13.75	91.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		16.95	88.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		13.05	92.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.68	94.44	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		16.25	88.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		17.48	87.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		9.89	95.23	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.49	87.63	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/13/01		16.71	88.41	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.84	90.28	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/28/01		18.31	86.81	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/26/01		18.75	86.37	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	03/07/02	107.77	12.00	95.77	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.09	94.68	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		16.60	91.17	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.10	88.67	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/27/03		12.96	94.81	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.55	97.22	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		15.51	92.26	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		18.37	89.40	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		9.55	98.22	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		11.38	96.39	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		13.54	94.23	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		13.89	93.88	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		9.03	98.74	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	04/29/05		7.77	100.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/25/05		7.84	99.93	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/04/05		10.70	97.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-16	08/20/98	104.92	12.92	92.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.93	87.99	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		11.31	93.61	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		9.59	95.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.11	89.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		16.16	88.76	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.81	96.11	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		15.04	89.88	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		14.20	90.72	<0.5	<0.5	<0.5	<0.5	<50	0.56	NA	No LPH or sheen
	06/14/01		15.21	89.71	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		17.40	87.52	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		18.31	86.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.61	9.63	97.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	06/10/02		12.06	95.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		15.30	92.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		16.98	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		11.12	96.49	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.12	97.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		15.05	92.56	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		16.75	90.86	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.54	99.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		10.18	97.43	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.51	95.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		13.28	94.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.14	99.47	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	04/29/05		6.97	100.64	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		7.56	100.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		10.27	97.34	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-17	08/20/98	103.01	12.96	90.05	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		16.91	86.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		12.19	90.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		11.24	91.77	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.65	87.36	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		16.61	86.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		9.06	93.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		16.82	86.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/13/01		14.85	88.16	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.60	88.41	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/28/01		17.56	85.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/26/01		18.40	84.61	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	03/07/02	105.66	9.84	95.82	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.27	93.39	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		15.56	90.10	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.23	86.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/27/03		13.20	92.46	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		11.39	94.27	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		14.60	91.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		15.95	89.71	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		8.01	97.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		9.89	95.77	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		12.00	93.66	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		12.51	93.15	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		7.31	98.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	04/29/05		6.77	98.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/25/05		5.21	100.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/04/05		8.60	97.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-18	08/20/98	108.35	15.11	93.24	<0.5	<0.5	<0.5	<0.5	250	<5.0	NA	No LPH or sheen
	11/18/98		18.44	89.91	<0.5	<0.5	<0.5	<0.5	<50	110	NA	No LPH or sheen
	02/15/99		12.96	95.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		13.57	94.78	<0.5	<0.5	<0.5	<0.5	<50	1,000	NA	No LPH or sheen
	09/08/99		17.74	90.61	<0.5	<0.5	<0.5	<0.5	<50	1,100	NA	No LPH or sheen
	11/24/99		18.40	89.95	<0.5	<0.5	<0.5	<0.5	2000	2,600	NA	No LPH or sheen
	03/15/00		11.15	97.20	<2.0	<2.0	<2.0	<2.0	<200	2,900	NA	No LPH or sheen
	11/27/00		18.42	89.93	<1.0	<1.0	<1.0	<1.0	<100	2,500	NA	No LPH or sheen
	02/13/01		14.89	93.46	<1.0	<1.0	<1.0	<1.0	<100	3,400	NA	No LPH or sheen
	06/14/01		16.51	91.84	<2.0	<2.0	<2.0	<2.0	<200	780	NA	No LPH or sheen
	08/28/01		19.65	88.70	<0.5	<0.5	<0.5	<0.5	<50	340	NA	No LPH or sheen
	11/26/01		20.09	88.26	<2.5	<2.5	<2.5	<2.5	<250	1,400	NA	No LPH or sheen
	03/07/02	113.98	12.65	101.33	<0.5	<0.5	<0.5	<0.5	<50	1,300	NA	No LPH or sheen
	06/10/02		15.27	98.71	<2.5	<2.5	<2.5	<2.5	<250	1,400	NA	No LPH or sheen
	08/26/02		18.31	95.67	<2.0	<2.0	<2.0	<2.0	<200	1,000	NA	No LPH or sheen
	11/27/02		21.13	92.85	<5.0	<5.0	<5.0	<5.0	<500	1,600	55[a]	No LPH or sheen
	02/27/03		13.45	100.53	<2.0	<2.0	<2.0	<2.0	<200	690	27[a]	No LPH or sheen
	05/28/03		13.81	100.17	<5.0	<5.0	<5.0	<5.0	<500	1,900	ND	No LPH or sheen
	08/11/03		17.02	96.96	<2.5	<2.5	<2.5	<2.5	<250	1,200	ND	No LPH or sheen
	11/20/03		19.11	94.87	<5.0	<5.0	<5.0	<5.0	<500	2,400	ND	No LPH or sheen
	03/12/04		11.64	102.34	<2.0	<2.0	<2.0	<2.0	<200	990	ND	No LPH or sheen
	05/01/04		13.72	100.26	<1.5	<1.5	<1.5	<1.5	<200	910	ND	No LPH or sheen
	07/09/04		15.44	98.54	<2.0	<2.0	<2.0	<2.0	<200	800	ND	No LPH or sheen
	11/19/04		15.47	98.51	<0.5	<0.5	<0.5	<0.5	<50	1,200	0.54[c]	No LPH or sheen
	02/18/05		11.46	102.52	<0.5	3.9	<0.5	<0.5	<50	350	ND	No LPH or sheen
	04/29/05		11.36	102.62	<2.5	<2.5	<2.5	<2.5	<250	1,100	ND	No LPH or sheen
	07/25/05		10.96	103.02	<1.0	<1.0	<1.0	<1.0	<100	580	ND	No LPH or sheen
	11/04/05		13.21	100.77	<0.8	<0.8	<0.8	<0.8	<80	380	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-19	08/20/98	106.43	11.74	94.69	NA	NA	NA	NA	NA	NA	NA	Laboratory error
	11/18/98		14.64	91.79	<50	<50	<50	<50	<5,000	26,000	NA	No LPH or sheen
	02/15/99		10.94	95.49	<0.5	<0.5	<0.5	<0.5	<50	360	NA	No LPH or sheen
	05/19/99		10.79	95.64	<0.5	<0.5	<0.5	<0.5	<50	9,300	NA	No LPH or sheen
	09/08/99		17.20	89.23	<0.5	<0.5	<0.5	<0.5	<50	3,100	NA	No LPH or sheen
	11/24/99		14.84	91.59	<10	<10	<10	<10	2,800	4,100	NA	No LPH or sheen
	03/15/00		8.40	98.03	<50	<50	<50	<50	<5,000	48,000	NA	No LPH or sheen
	11/27/00		15.65	90.78	<2.0	<2.0	<2.0	<2.0	<200	1,800	NA	Laboratory error
	02/13/01		12.24	94.19	<1.0	<1.0	<1.0	<1.0	<100	450	NA	Laboratory error
	06/14/01		13.07	93.36	<0.5	<0.5	<0.5	<0.5	<50	220	NA	No LPH or sheen
	08/28/01		15.90	90.53	<0.5	<0.5	<0.5	<0.5	<50	160	NA	No LPH or sheen
	11/26/01		16.01	90.42	<1.0	<1.0	<1.0	<1.0	<100	480	NA	No LPH or sheen
	03/07/02	108.49	9.39	99.10	<10	<10	<10	<10	<1,000	3,500	NA	No LPH or sheen
	06/10/02		12.55	95.94	<1.0	<1.0	<1.0	<1.0	<100	490	NA	No LPH or sheen
	08/26/02		16.11	92.38	<0.5	<0.5	<0.5	<0.5	<50	240	NA	No LPH or sheen
	11/27/02		17.50	90.99	<0.5	<0.5	<0.5	<0.5	<50	360	ND	No LPH or sheen
	02/27/03		10.54	97.95	<0.5	<0.5	<0.5	<0.5	<50	99	ND	No LPH or sheen
	05/28/03		11.35	97.14	<0.5	<0.5	<0.5	<0.5	<50	65	ND	No LPH or sheen
	08/11/03		13.46	95.03	<0.5	<0.5	<0.5	<0.5	<50	77	ND	No LPH or sheen
	11/20/03		16.52	91.97	<0.5	<0.5	<0.5	<0.5	<50	77	ND	No LPH or sheen
	03/12/04		8.87	99.62	<0.5	<0.5	<0.5	<0.5	<50	250	11[a]	No LPH or sheen
	05/01/04		10.77	92.72	<0.5	<0.5	<0.5	<0.5	<50	92	ND	No LPH or sheen
	07/09/04		11.98	96.51	<0.5	<0.5	<0.5	<0.5	<50	210	ND	No LPH or sheen
	11/19/04		12.62	95.87	<0.5	<0.5	<0.5	<0.5	<50	78	ND	No LPH or sheen
	02/18/05		9.41	99.08	<0.5	<0.5	<0.5	<0.5	<50	170	ND	No LPH or sheen
	04/29/05		9.40	99.09	<0.5	<0.5	<0.5	<0.5	<50	1,000	560[a]	No LPH or sheen
	07/25/05		9.31	99.18	<2.5	<2.5	<2.5	<2.5	<250	1,100	ND	No LPH or sheen
	11/04/05		10.64	97.85	<0.9	<0.9	<0.9	<0.9	<90	580	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-20	08/20/98	105.91	11.69	94.22	<0.5	<0.5	<0.5	<0.5	250	<5.0	NA	No LPH or sheen
	11/18/98		14.64	91.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		10.31	95.60	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.06	95.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		13.93	91.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		15.09	90.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		8.01	97.90	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		15.80	90.11	<0.5	<0.5	<0.5	<0.5	<50	1.6	NA	No LPH or sheen
	02/13/01		12.93	92.98	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	No LPH or sheen
	06/14/01		13.71	92.20	<0.5	<0.5	<0.5	<0.5	<50	1.1	NA	No LPH or sheen
	08/28/01		16.08	89.83	<0.5	<0.5	<0.5	<0.5	<50	2.3	NA	No LPH or sheen
	11/26/01		16.52	89.39	<0.5	<0.5	<0.5	<0.5	<50	1.6	NA	No LPH or sheen
	03/07/02	108.01	9.85	98.16	<0.5	<0.5	<0.5	<0.5	<50	1.0	NA	No LPH or sheen
	06/10/02		12.52	95.49	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	No LPH or sheen
	08/26/02		15.75	92.26	<0.5	<0.5	<0.5	<0.5	<50	1.3	NA	No LPH or sheen
	11/27/02		17.24	90.77	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	02/27/03		10.85	97.16	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	05/28/03		10.43	97.58	<0.5	<0.5	<0.5	<0.5	<50	1.6	ND	No LPH or sheen
	08/11/03		12.94	95.07	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No LPH or sheen
	11/20/03		16.58	91.43	<0.5	<0.5	<0.5	<0.5	<50	1.1	ND	No LPH or sheen
	03/12/04		8.35	99.66	<0.5	<0.5	1.6	1.1	170	1.4	ND	No LPH or sheen
	05/01/04		10.36	97.65	<0.5	<0.5	1.4	1.0	150	1.5	ND	No LPH or sheen
	07/09/04		11.66	96.35	<0.5	<0.5	1.3	0.62	150	1.2	ND	No LPH or sheen
	11/19/04		12.03	95.98	<0.5	<0.5	0.53	<0.5	78	1.2	ND	No LPH or sheen
	02/18/05		8.30	99.71	<0.5	<0.5	<0.5	<0.5	<50	0.95	ND	No LPH or sheen
	04/29/05		7.74	100.27	<0.5	<0.5	<0.5	<0.5	80	1.0	ND	No LPH or sheen
	07/25/05		8.24	99.77	<0.5	<0.5	6.0	5.5	690	1.1	ND	No LPH or sheen
	11/04/05		9.50	98.51	<0.5	<0.5	<0.5	<0.5	<50	0.92	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-1	08/20/98	105.17	13.43	91.74	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.68	88.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		13.17	92.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		12.89	92.28	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.01	89.16	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.14	88.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.81	96.36	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.21	87.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		16.20	88.97	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		17.17	88.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		19.51	85.66	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		19.92	85.25	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.35	11.03	96.32	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.98	93.37	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.90	90.45	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.42	88.93	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.50	94.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	3.8[b]	No LPH or sheen
	05/28/03		12.10	95.25	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		14.21	93.14	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		17.80	89.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.82	98.53	<0.5	<0.5	<0.5	<0.5	<50	<0.5	7.9[b]	No LPH or sheen
	05/01/04		10.70	96.65	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		13.05	94.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		13.62	93.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.45	98.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	8.6[b]	No LPH or sheen
	04/29/05		7.25	100.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/25/05		7.21	100.14	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/04/05		10.03	97.32	NS	NS	NS	NS	NS	NS	NS	Not sampled

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-2	08/20/98	105.22	14.34	90.88	47	3.5	12	27	310	480	NA	No LPH or sheen
	11/18/98		65.31	39.91	660	77	210	860	4900	1,100	NA	No LPH or sheen
	02/15/99		65.51	39.71	<0.5	<0.5	<0.5	0.65	<50	510	NA	No LPH or sheen
	05/19/99		12.55	92.67	200	10	2.9	130	2900	4,500	NA	No LPH or sheen
	09/08/99		25.41	79.81	680	70	24	460	3100	980	NA	No LPH or sheen
	11/24/99		25.45	79.77	660	27	12	220	3500	1,000	NA	No LPH or sheen
	03/15/00		23.84	81.38	120	45	12	360	3,500	890	NA	No LPH or sheen
	11/27/00		30.56	74.66	3.6	<1.0	<1.0	2.3	<100	640	NA	No LPH or sheen
	02/13/01		30.68	74.54	<2.0	<2.0	<2.0	2.6	<200	510	NA	No LPH or sheen
	06/14/01		33.60	71.62	19	0.73	<0.5	3.7	61	220	NA	No LPH or sheen
	08/28/01		34.70	70.52	15	0.5	<0.5	1.7	<50	240	NA	No LPH or sheen
	11/26/01		34.10	71.12	12	<1.0	<1.0	<1.0	<100	320	NA	No LPH or sheen
	03/07/02	107.81	35.10	72.71	22	<1.0	1.3	2.6	130	560	NA	No LPH or sheen
	06/10/02		23.90	83.91	91	9.9	<1.0	160	760	330	NA	No LPH or sheen
	08/26/02		15.10	92.71	<20	<20	<20	<20	<2,000	12,000	NA	No LPH or sheen
	11/27/02		35.10	72.71	14	<2.0	<2.0	<2.0	<200	730	67[a]	No LPH or sheen
	02/27/03		29.90	77.91	<1.5	<1.5	<1.5	47	380	610	69[a]	No LPH or sheen
	05/28/03		26.10	81.71	270	16	7.9	110	2,000	510	92[a]	No LPH or sheen
	08/11/03		30.31	77.50	3.3	<1.0	<1.0	4.4	<100	340	33[a]	No LPH or sheen
	11/20/03		27.30	80.51	1.5	<0.5	<0.5	<0.5	<50	330	17[a]	No LPH or sheen
	03/12/04		15.59	92.22	58	2.8	<0.5	17	400	380	46[a]	No LPH or sheen
	05/01/04		14.30	93.51	<0.5	<0.5	<0.5	<0.5	<50	320	49[a]	No LPH or sheen
	07/09/04		20.44	87.37	83	3.3	1.1	28	410	400	42[a]	No LPH or sheen
	11/19/04		15.67	92.14	<0.5	<0.5	<0.5	<0.5	<50	180	8.2[a]	No LPH or sheen
	02/18/05		10.23	97.58	<0.5	<0.5	<0.5	<0.5	<50	24	ND	No LPH or sheen
	04/29/05		9.08	98.73	<0.5	<0.5	<0.5	<0.5	<50	150	18[a]	No LPH or sheen
	07/25/05		8.68	99.13	<0.5	<0.5	<0.5	<0.5	<50	86	20[a]	No LPH or sheen
	11/04/05		11.75	96.06	10	<0.5	0.54	0.73	60	44	8.3[a]	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-3A	08/20/98	105.72	11.68	94.04	<50	<50	<50	<50	<5,000	17,000	NA	No LPH or sheen
	11/18/98		38.01	67.71	220	120	240	1,100	7400	22,000	NA	No LPH or sheen
	02/15/99		37.80	67.92	80	<25	<25	280	<2,500	30,000	NA	No LPH or sheen
	05/19/99		39.35	66.37	<5.0	<5.0	<5.0	<5.0	<500	30,000	NA	No LPH or sheen
	09/08/99		31.40	74.32	380	31	150	810	5300	39,000	NA	No LPH or sheen
	11/24/99		24.55	81.17	280	14	110	450	18000	24,000	NA	No LPH or sheen
	03/15/00		21.80	83.92	140	30	99	890	6,700	17,000	NA	No LPH or sheen
	11/27/00		29.80	75.92	83	<50	<50	<50	<5,000	23,000	NA	No LPH or sheen
	02/13/01		31.06	74.66	71	<20	32	200	<2,000	16,000	NA	No LPH or sheen
	06/14/01		26.90	78.82	79	<25	42	150	<5,000	12,000	NA	No LPH or sheen
	08/28/01		28.71	77.01	150	<25	73	110	<5,000	18,000	NA	No LPH or sheen
	11/26/01		35.60	70.12	39	<25	<25	<25	<5,000	12,000	NA	No LPH or sheen
	03/07/02	108.68	33.91	74.77	87	<50	<50	84	<5,000	28,000	NA	No LPH or sheen
	06/10/02		33.10	75.58	110	<50	<50	88	<5,000	16,000	NA	No LPH or sheen
	08/26/02		31.06	77.62	34	<25	<25	<25	<2,500	17,000	NA	No LPH or sheen
	11/27/02		34.10	74.58	<50	<50	<50	<50	<5,000	20,000	2,800[a]	No LPH or sheen
	02/27/03		35.36	73.32	100	<25	30	72	<2,500	9,800	2,300[a]	No LPH or sheen
	05/28/03		36.10	72.58	110	<20	26	35	2,100	7,100	2,200[a]	No LPH or sheen
	08/11/03		34.60	74.08	35	<10	<10	16	1,200	4,300	3,200[a]	No LPH or sheen
	11/20/03		35.93	72.75	20	<5.0	<5.0	<5.0	700	3,200	3,400[a]	No LPH or sheen
	03/12/04		21.56	87.12	40	3.5	7.0	43	920	2,800	2,600[a], 1.4[c]	No LPH or sheen
	05/01/04		23.46	85.22	40	<5.0	<5.0	20	650	2,300	3,100[a]	No LPH or sheen
	07/09/04		25.13	83.55	38	<5.0	<5.0	13	760	1,300	3,200[a]	No LPH or sheen
	11/19/04		35.14	73.54	18	0.91	1.7	5.4	630	390	2,900[a]	No LPH or sheen
	02/18/05		22.34	86.34	74	4.3	9.7	32	1,100	410	2,500[a]	No LPH or sheen
	04/29/05		27.51	81.17	60	3.8	8.3	26	1,300	440	1,900[a]	No LPH or sheen
	07/25/05		25.87	82.81	33	1.7	3.4	9.8	740	300	2600[a]	No LPH or sheen
	11/04/05		23.76	84.92	35	1.8	3.0	5.3	1,000	180	820[a]	No LPH or sheen

Reference Elevation = Reference elevation mean sea level.
TPH = Total petroleum hydrocarbons.
MTBE = Methyl tertiary butyl ether.
LPH = Liquid-phase petroleum hydrocarbons.
µg/L = Micrograms per liter.
NA = Not analyzed.
NS = Not sampled.
a = tert-butanol
b = diisopropyl ether
c = Tert-amyl methyl ether

Table 2
Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
10/5/2000	1,681,191	0	Influent	140	<20	44	210	<2,000	NA	NA	NA	NA
			Effluent	3.5	0.52	<0.5	1.7	<50	NA	<20	<5.0	63
10/16/2000	1,684,990	3,799	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/4/2000	1,689,910	4,920	Influent	14	<10	<10	12	<1,000	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
11/16/2000	1,694,820	4,910	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/5/2000	1,703,710	8,890	Influent	60	<10	13	100	1,500	NA	NA	NA	NA
			Effluent	0.77	<0.5	<0.5	0.77	<50	NA	<20	<5.0	<50
12/19/2000	1,709,840	6,130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/4/2001	1,717,660	7,820	Influent	45	11	<10	37	<1,000	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
1/29/2001	1,730,800	13,140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/8/2001	1,737,700	6,900	Influent	73	<10	25	140	1,800	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<2.0	<100	NA	<20	<5.0	<50
2/21/2001	1,747,270	9,570	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/6/2001	1,760,200	12,930	Influent	25	<10	<10	100	2,100	NA	NA	NA	NA
			Effluent	1.2	<1.0	<1.0	3.9	<100	NA	<20	<5.0	27
3/17/2001	1,772,190	11,990	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/7/2001	1,790,740	18,550	Influent	26	<1.0	1.9	14	190	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
4/18/2001	1,798,540	7,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/13/2001	1,815,100	16,560	Influent	<2.0	<2.0	<2.0	4.7	<200	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
5/22/2001	1,820,750	5,650	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
6/4/2001	1,828,240	7,490	Influent	50	<20	<20	52	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
6/15/2001	1,834,470	6,230	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7/2/2001	1,843,090	8,620	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	250
7/22/2001	1,851,450	8,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/10/2001	1,858,200	6,750	Influent	11	<0.5	<0.5	7.2	<500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	34	<5.0	<50
8/24/2001	1,862,940	4,740	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/1/2001	1,865,600	2,660	Influent	12	0.79	0.86	2.6	180	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	70
9/29/2001	1,874,280	8,680	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/5/2001	1,875,950	1,670	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/24/2001	1,880,160	4,210	Influent	<2.0	<2.0	<2.0	<2.0	<200	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
11/1/2001	1,881,160	1,000	Influent	13	<2.5	4.9	4	<250	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
11/16/2001	1,882,110	950	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/15/2001	1,883,160	1,050	Influent	26	<10	<10	58	<1,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
12/26/2001	1,886,480	3,320	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/08/02	1,898,690	12,210	Influent	20	<5.0	<5.0	38	840	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
01/24/02	1,916,130	17,440	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/11/02	1,929,910	13,780	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
02/17/02	1,934,440	4,530	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<50	<50	NA	<20	<5.0	<50
03/03/02	1,942,660	8,220	Influent	<25	<25	<25	<25	<2,500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
03/15/02	1,948,210	5,550	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/05/02	1,963,310	15,100	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NR	NR	NR
04/19/02	1,967,670	4,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/03/02	1,969,670	2,000	Influent	<1.0	<1.0	<1.0	<1.0	<100	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	32.8	<10	37.2
05/31/02	1,981,370	11,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/13/02	1,991,860	10,490	Influent	96	<5.0	<5.0	78	770	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	10.3	<5.0	27.1
06/27/02	1,992,987	1,127	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/01/02	1,996,480	3,493	Influent	<5.0	<5.0	<5.0	<5.0	<500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<5.0	<5.0	18.1
07/24/02	2,000,840	4,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/12/02	2,001,070	230	Influent	13	<10	<10	12	<1,000	16,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	<10	10.6
08/26/02	2,001,070	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/13/02	2,001,070	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/30/02	2,001,265	195	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/14/02	2,003,260	1,995	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	9.53	<10	69.7
10/30/02	2,006,340	3,080	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
11/17/02	2,010,780	4,440	Influent	<10	<10	<10	<10	<1,000	5,500	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.1	<5.0	<10	32.1
11/25/02	2,012,700	1,920	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/05/02	2,013,480	780	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/26/02	2,021,480	8,000	Influent	65	<25	<25	51	<2,500	11,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.4	<5.0	<10	21.8
01/20/03	2,045,230	23,750	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/31/03	2,057,600	12,370	Influent	53	4.9	20	70	1,500	6,600	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.98	<5.0	<10	<10
02/11/03	2,069,230	11,630	Influent	47	<10	15	40	<1,000	5,300	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	<10	<10
02/22/03	2,081,120	11,890	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/01/03	2,088,990	7,870	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/30/03	2,119,590	30,600	Influent	95	<10	18	55	<1,000	4,900	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	9.9	<5.0	<10	<10
04/16/03	2,132,040	12,450	Influent	120	<20	<20	58	<2,000	5,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	7.4	<5.0	<10	20.6
04/28/03	2,132,940	900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/17/03	2,132,940	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/28/03	2,132,940	0	Influent	<0.5	<0.5	<0.5	52	1,000	2,900	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.9	6.08	<10	43.8
06/01/03	0	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/10/03	11,180	11,180	Influent	170	7.4	13	48	780	730	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	86	3.7	<5.0	<10	55.8

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Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
06/24/03	22,940	11,760	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/11/03	41,750	18,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/18/03	47,810	6,060	Influent	25	<10	<10	<10	<1,000	3,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.0	<5.0	<10	71.6
08/01/03	58,510	58,510	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/17/03	69,080	10,570	Influent	3.8	<0.5	<0.5	0.93	<50	360	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.8	<5.0	<10	20
09/06/03	77,732	8,652	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/19/03	87,640	9,908	Influent	1.7	<0.5	<0.5	1.5	240	3,600	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.2	<5.0	<10	21.5
10/18/03	100,420	12,780	Influent	5.3	<5.0	<5.0	<5.0	<500	2,400	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.6	7.78	<10	34.2
10/25/03	103,030	2,610	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/16/03	104,830	1,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/30/03	105,440	610	Influent	28	<2.5	<2.5	<2.5	390	1,900	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	39.2
12/09/03	105,480	40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/19/03	109,610	4,130	Influent	31	<5.0	<5.0	10	<500	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.8	5.68	<10	<10
01/21/04	134,700	25,090	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/30/04	142,060	7,360	Influent	28	<5.0	<5.0	20	720	2,300	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.93	<5.0	<10	14.9
02/10/04	150,590	8,530	Influent	6.4	<1.0	<1.0	2.1	100	510	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	13	<5.0	<10	42.4
02/18/04	151,450	860	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/12/04	162,720	11,270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
03/25/04	173,868	23,278	Influent	15	<5.0	<5.0	15	630	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.5	5.7	<10	142
03/25/04	173,868	22,418	Influent	15	<5.0	<5.0	15	630	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.5	5.7	<10	142
04/21/04	188,333	14,465	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/29/04	191,520	3,187	Influent	25	<5.0	<5.0	19	1,000	2,200	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	214
05/10/04	197,427	5,907	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/25/04	202,441	5,014	Influent	16	<1.5	<1.5	3.3	480	360	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	126
06/14/04	213,108	10,667	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/22/04	217,726	4,618	Influent	22	<2.0	<2.0	7.7	630	1,200	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	37
07/01/04	222,469	4,743	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/28/04	231,777	9,308	Influent	5.5	<0.5	0.64	1.9	410	71	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	8.96	<10	321
08/04/04	234,314	2,537	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/30/04	234,510	196	Influent	12	<1.5	<1.5	2.2	320	780	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	31.6
09/11/04	234,990	480	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/20/04	236,353	1,363	Influent	4.9	<1.5	<1.5	4.2	400	720	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	28.10	15.1	5,270
10/13/04	236,360	7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/28/04	236,360	0	Influent	11	<1.5	<1.5	5.9	490	570	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	7.70	<10	1,650
11/11/04	237,224	864	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/22/04	237,530	306	Influent	9.0	<0.9	1.6	5.5	600	450	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	6.72	<10	624

Table 2
Ground Water System Performance Data Sheet
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (μg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
12/07/04	237,808	278	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/26/04	245,700	7,892	Influent	28	1.6	3.4	7.9	790	440	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	94.9
01/05/05	250,150	4,450	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/27/05	255,170	5,020	Influent	20	1.6	2.8	30	820	430	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	25.9
02/16/05	255,770	600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/27/05	260,010	4,240	Influent	56	3.8	7.2	23	980	440	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	34.8
03/07/05	267,468	7,458	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/24/05	278,100	10,632	Influent	45	2.9	4.8	30	1,300	370	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.9	<5.0	<10	<10
04/08/05	282,320	4,220	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/25/05	286,190	3,870	Influent	38	2.6	3.6	19	1,100	430	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.8	10.40	<10	31.7
05/03/05	286,880	690	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/12/05	286,880	0	Influent	54	3.4	9.1	21	1,200	320	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.7	<5.0	<10	<10
06/01/05	286,885	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/28/05	287,240	355	Influent	16	1.1	1.8	8.8	990	310	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.6	<5.0	<10	41.8
07/11/05	287,249	9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/21/05	287,249	0	Influent	16	0.91	2.1	7.2	730	260	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.82	5.0	<10	27.5
08/02/05	288,122	873	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/14/05	288,562	440	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Tesoro Station No. 67062
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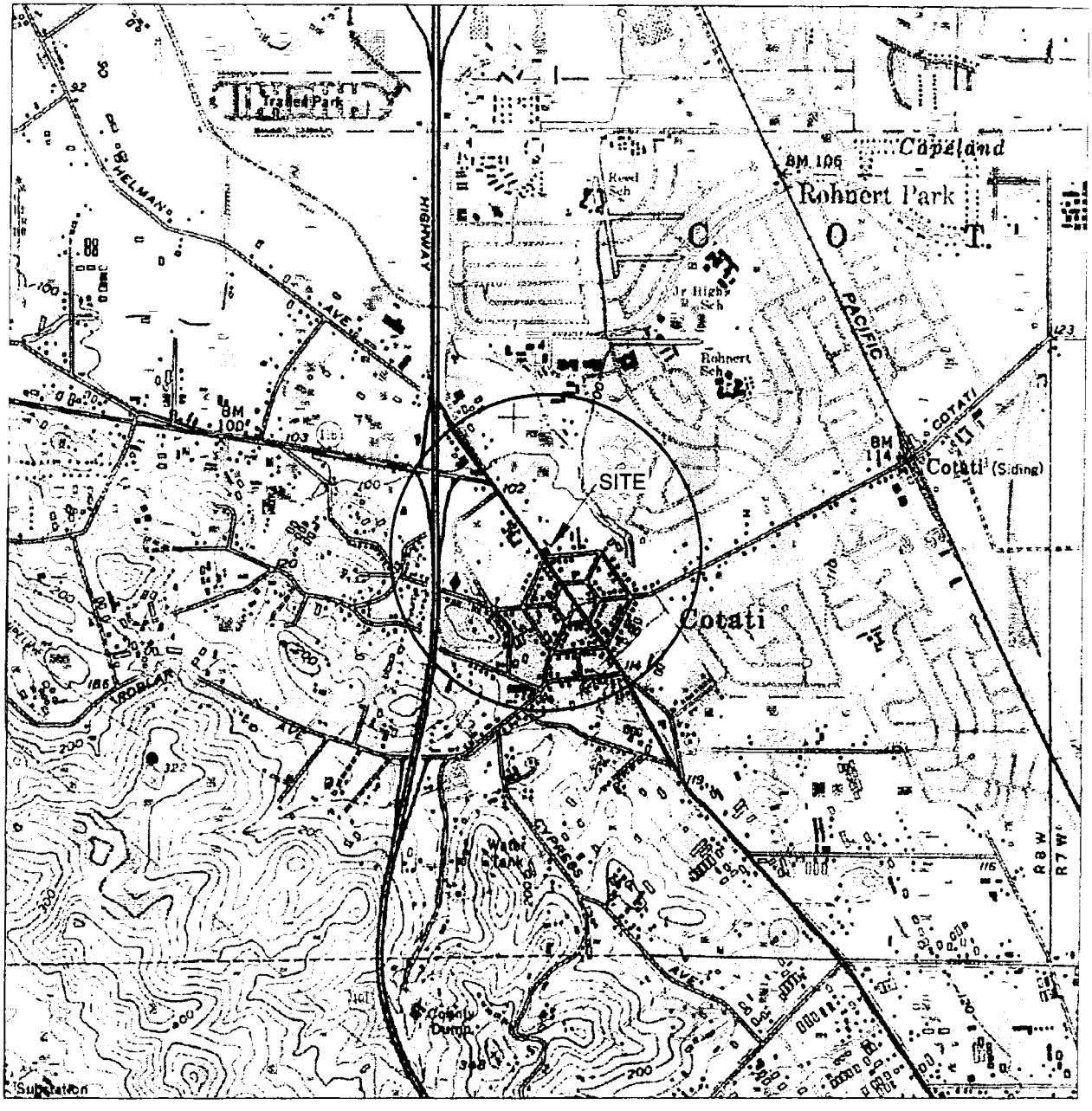
7898 Redwood Highway
Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg[a]	MTBE[b]	Copper	Lead	Zinc
08/29/05	289,360	798	Influent	17	0.99	1.4	5.8	740	260	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	91.9
09/13/05	289,360	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/26/05	289,810	450	Influent	15	<0.90	1.3	3.2	480	250	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.0	<5.0	<10	160.0
10/14/05	293,060	3,250	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/27/05	294,340	1,280	Influent	8.8	<0.90	1.1	3.0	560	170	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	206
11/1/205	294,991	651	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/20/05	299,410	4,419	Influent	16	0.94	1.9	4.5	820	220	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	16.7	<10	71.2
12/07/05	299,995	585	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/19/05	300,730	735	Influent	18	0.97	1.8	5.2	770	220	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	<10

Total =	2,433,670

Notes:
a) Total Petroleum Hydrocarbons as gasoline
b) Methyl-t-butyl ether
NS = Not Sampled
NA = Not Analyzed
NR = Not Reported



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

QUADRANGLE LOCATION

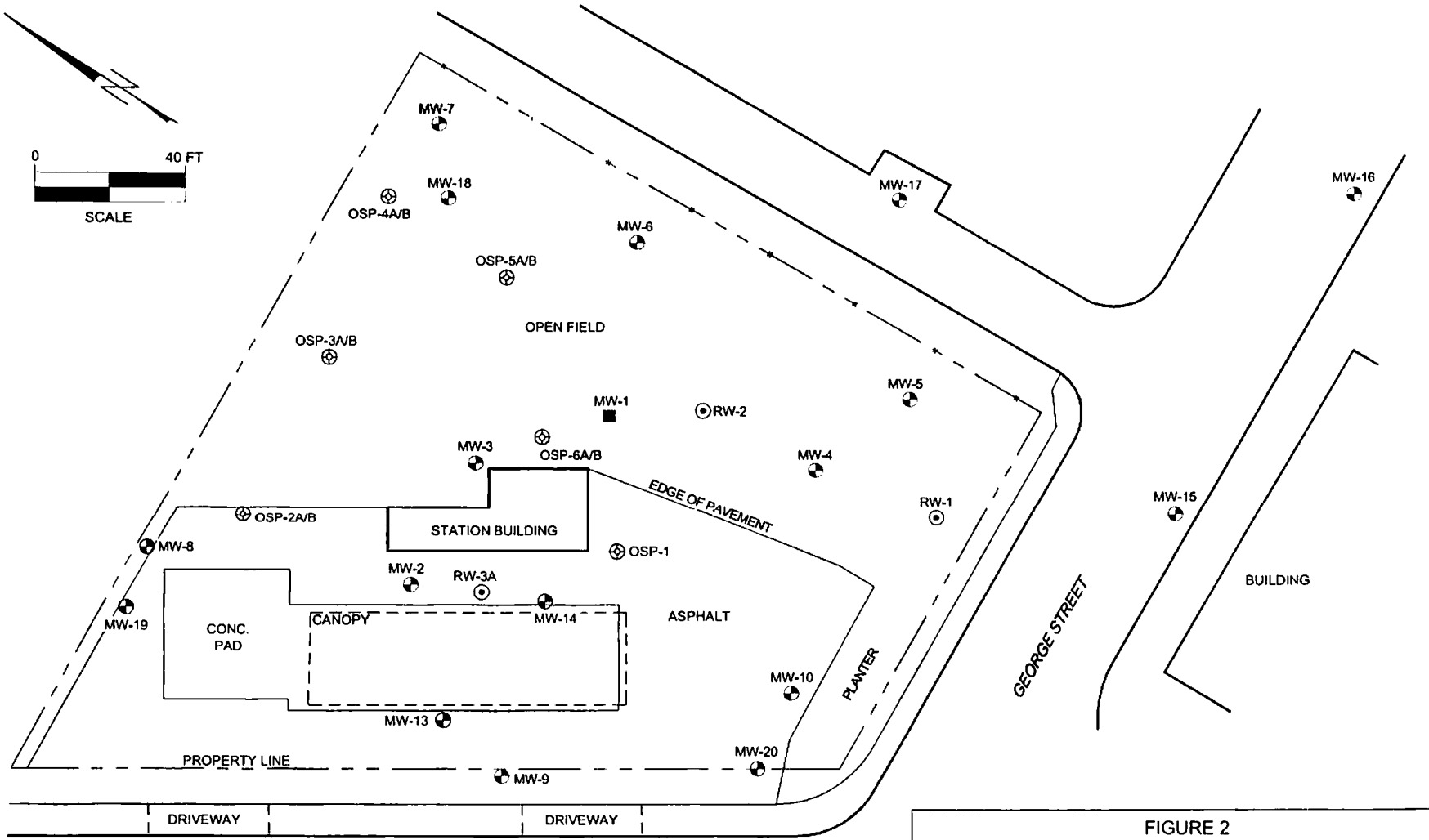
0 2000 FT

SCALE 1:24,000

FIGURE 1
SITE LOCATION MAP
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI,CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/3/02
FILE NO. 00-3700-001	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

—✕—✕—	FENCE
■ MW-1	DESTROYED MONITORING WELL
◕ MW-2	MONITORING WELL LOCATION
⊙ RW-1	RECOVERY WELL LOCATION
⊗ OSP-2A/B	NESTED OZONE SPARGE WELL LOCATION

FIGURE 2

SITE MAP

TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 9/29/03
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY

RDM Environmental

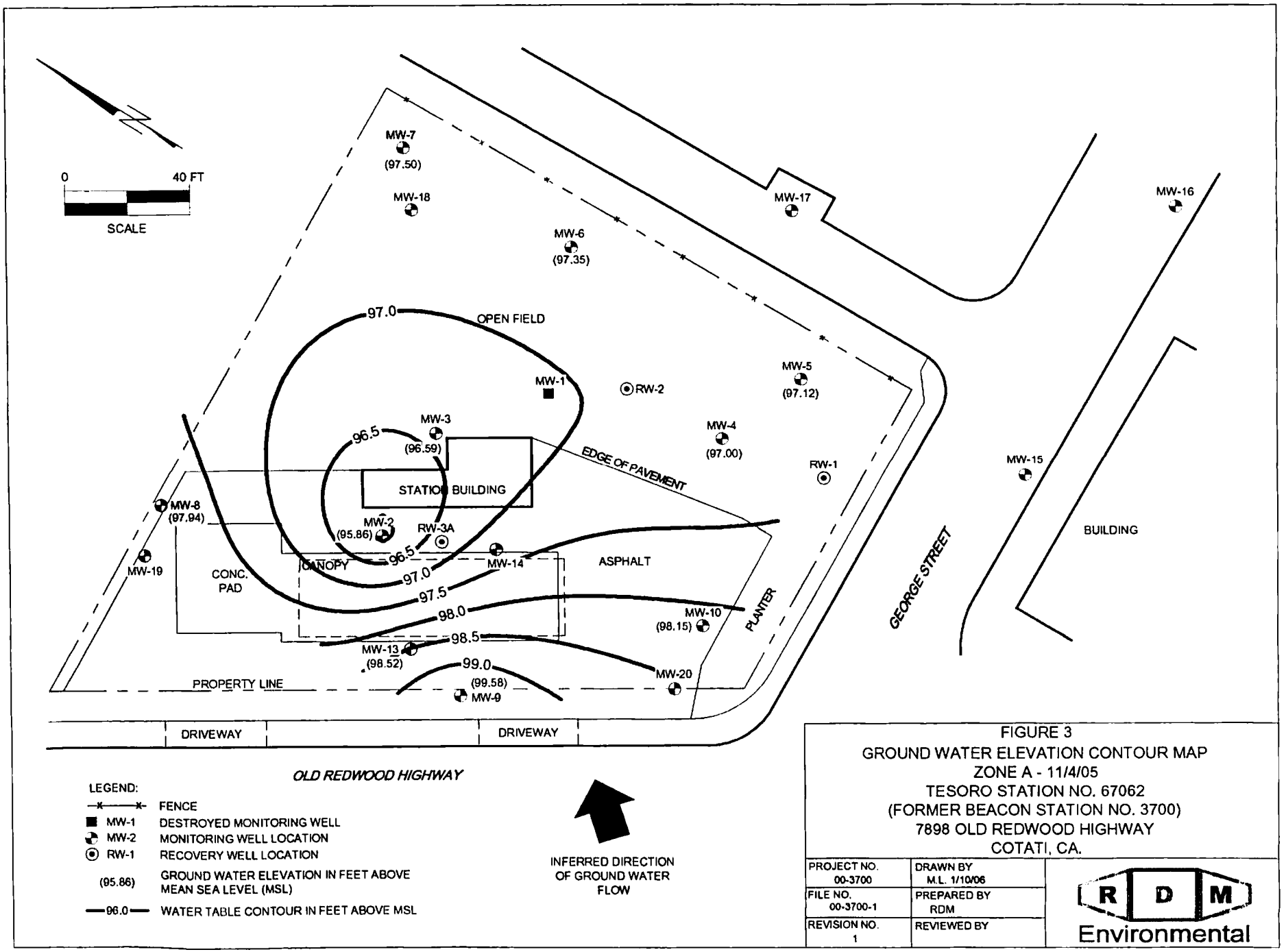
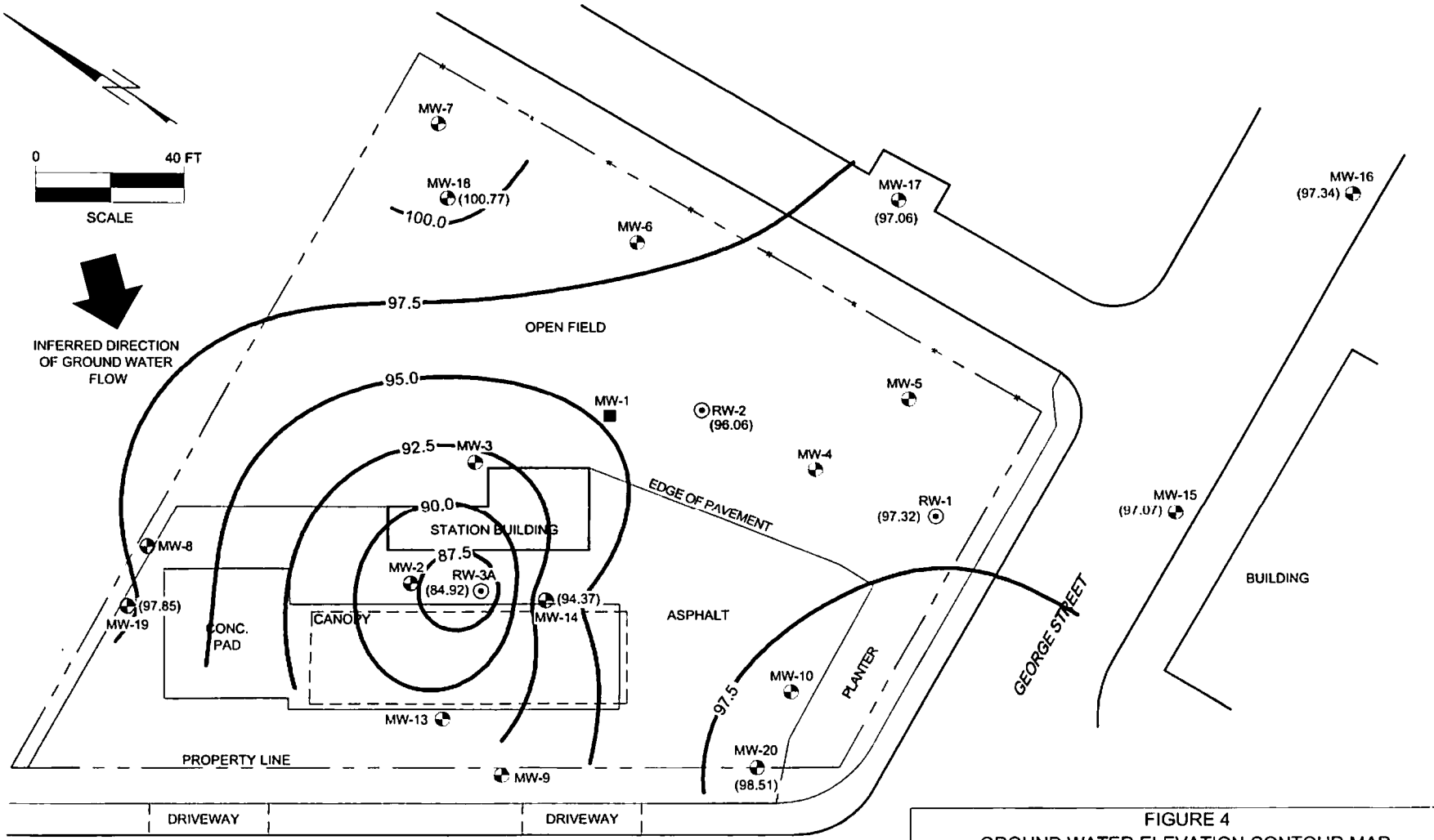


FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
ZONE A - 11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/10/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



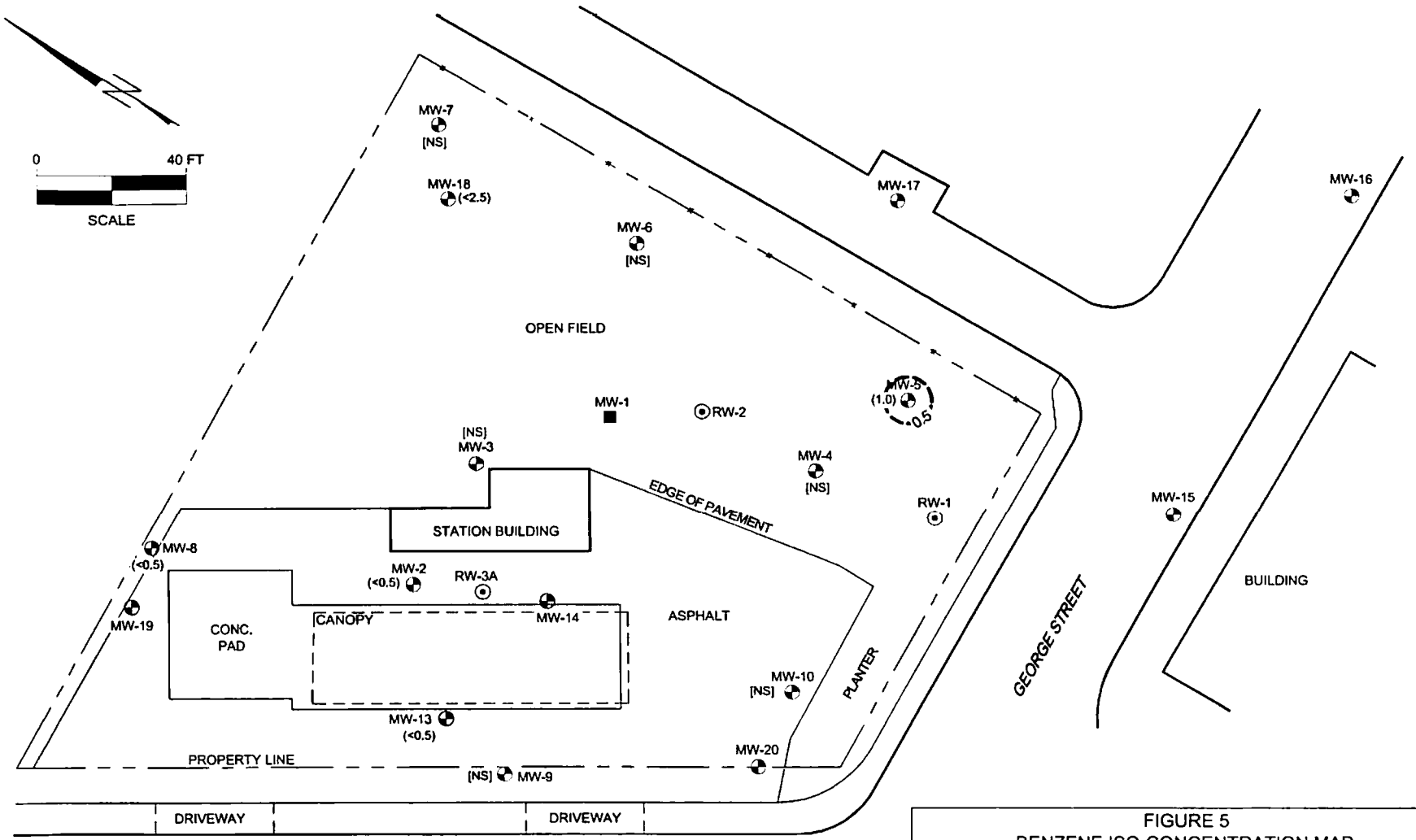
LEGEND:

—x——x—	FENCE
■ MW-1	DESTROYED MONITORING WELL
MW-2	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
(94.37)	GROUND WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
—92.5—	WATER TABLE CONTOUR IN FEET ABOVE MSL

FIGURE 4
GROUND WATER ELEVATION CONTOUR MAP
ZONE B - 11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



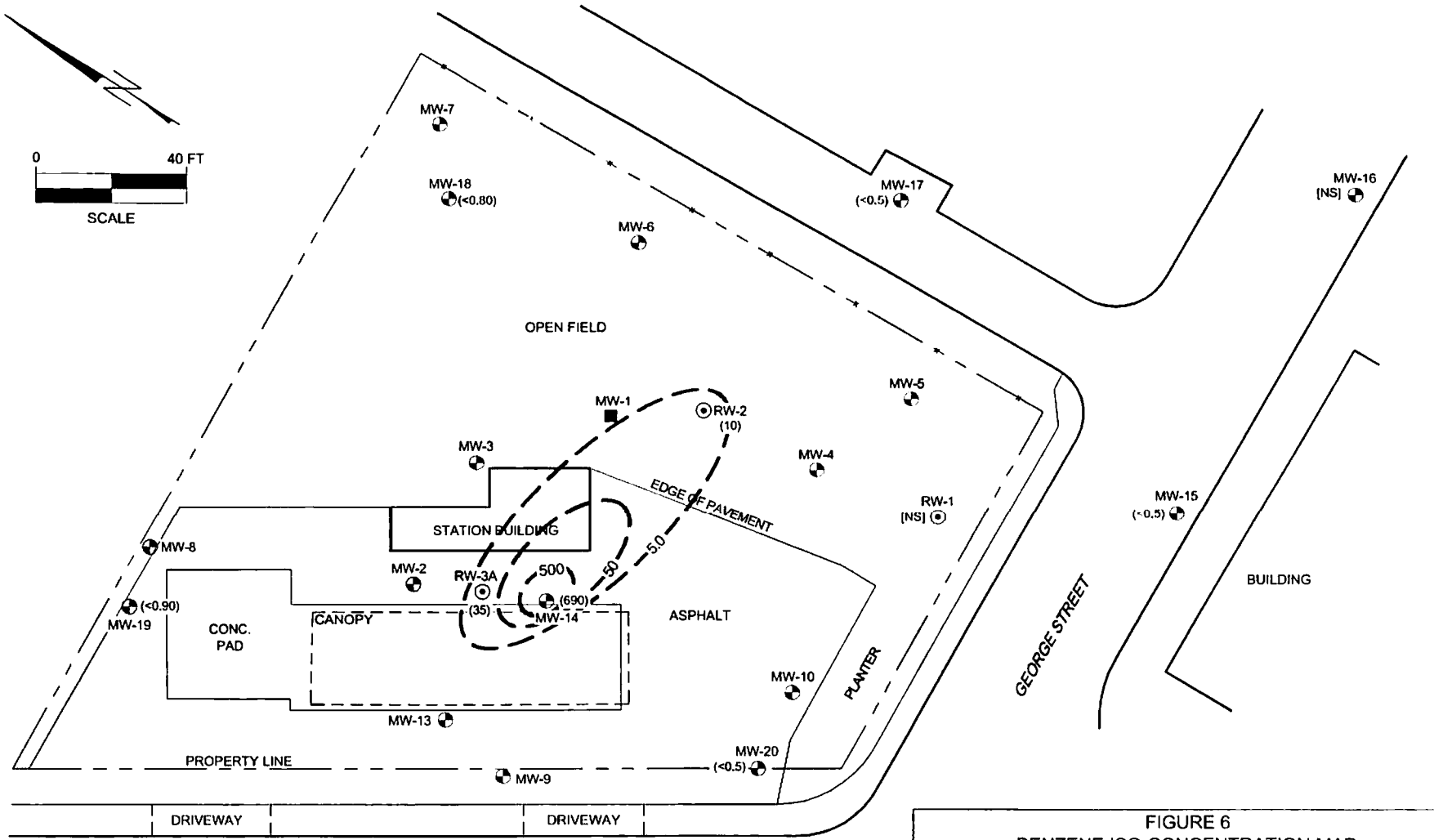
LEGEND:

—x—x—	FENCE
■ MW-1	DESTROYED MONITORING WELL
MW-2	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
(1.0)	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
—0.5—	EQUAL CONCENTRATION OF BENZENE IN GROUNDWATER IN ug/L
[NS]	NOT SAMPLED

FIGURE 5
BENZENE ISO-CONCENTRATION MAP
ZONE A-11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

—x——x—	FENCE
■ MW-1	DESTROYED MONITORING WELL
MW-2	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
(690)	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
— - 50 - —	EQUAL CONCENTRATION OF BENZENE IN GROUNDWATER IN ug/L
(NS)	NOT SAMPLED

FIGURE 6
BENZENE ISO-CONCENTRATION MAP
ZONE B-11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

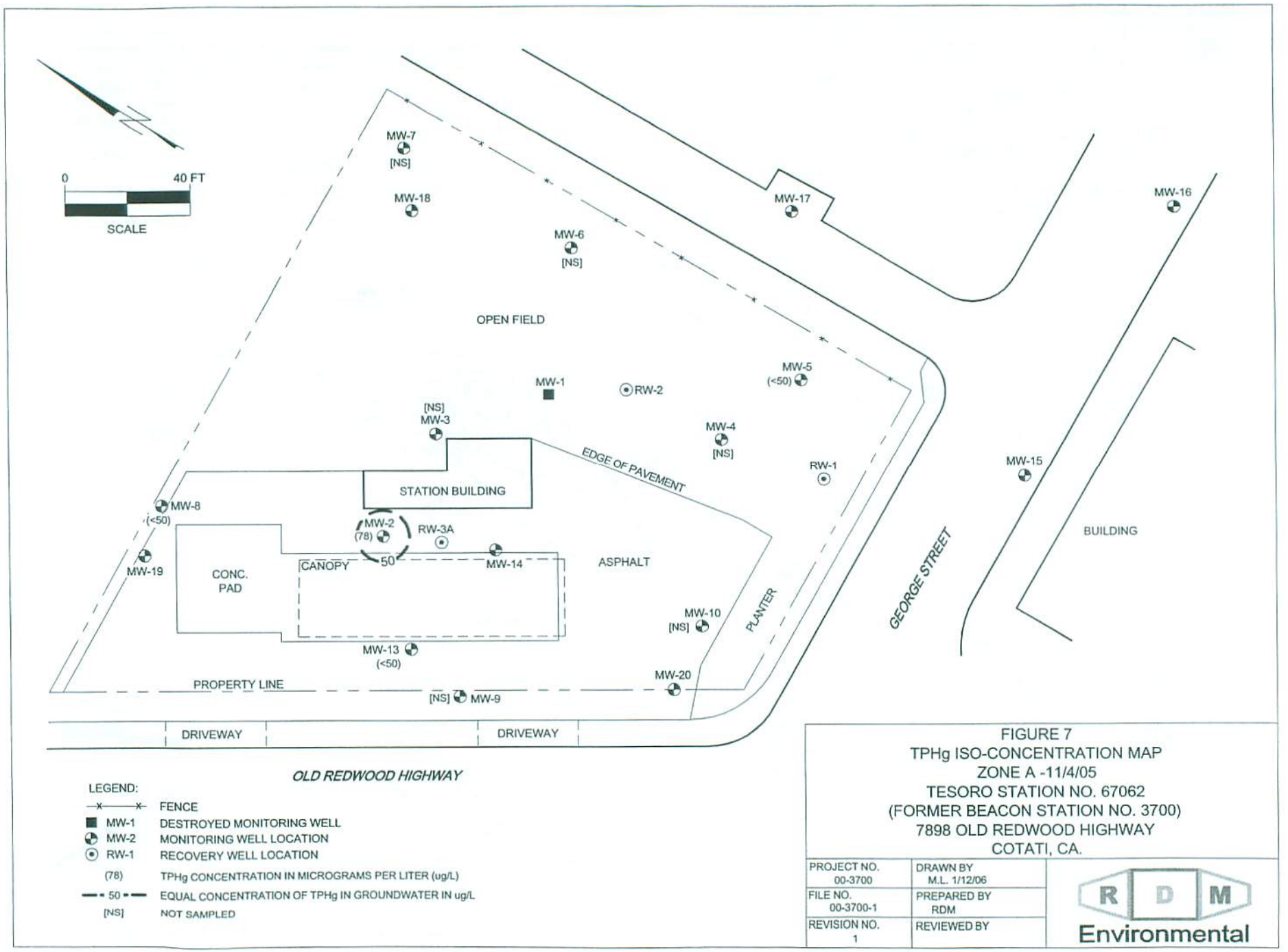
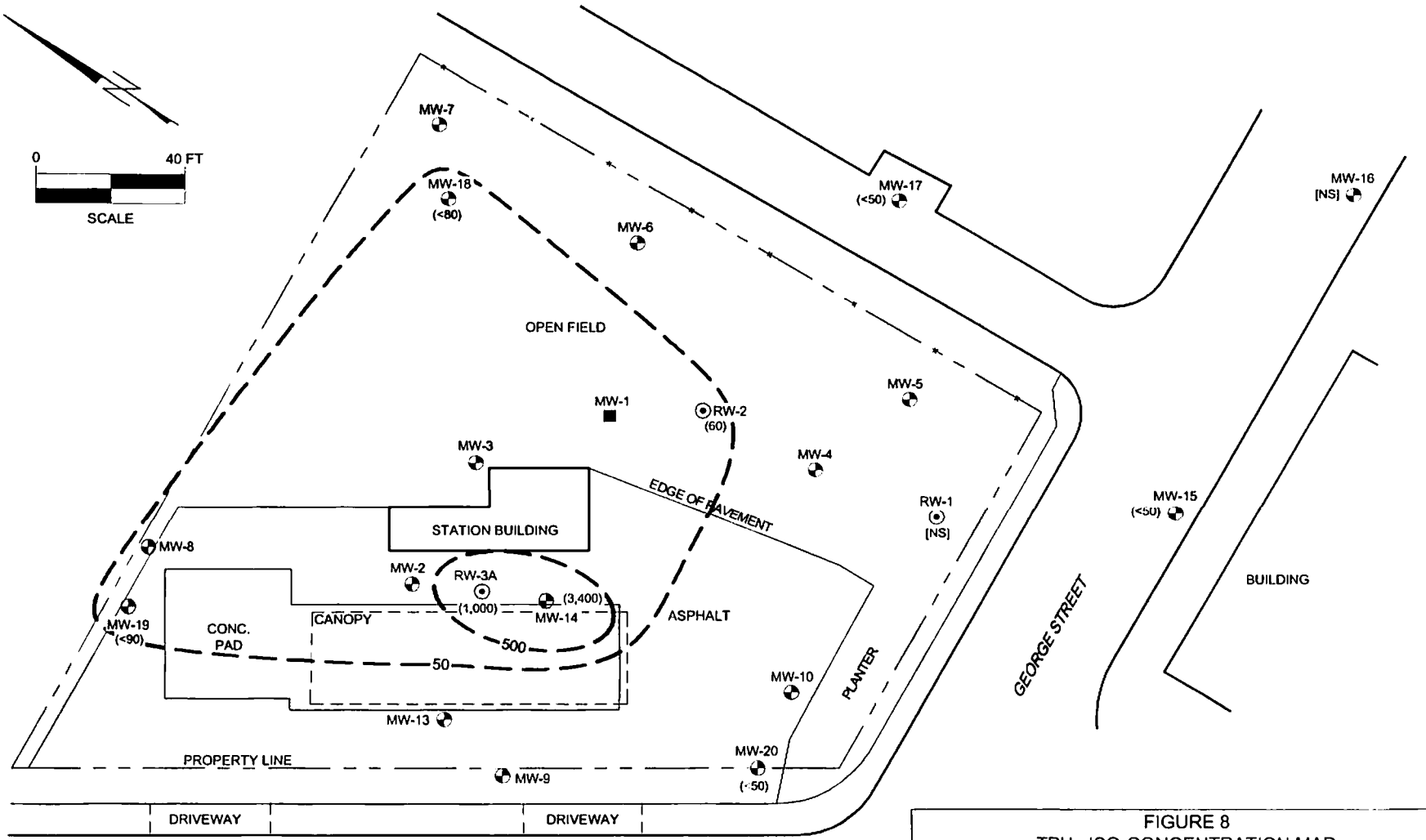


FIGURE 7
TPHg ISO-CONCENTRATION MAP
ZONE A -11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



LEGEND:

—x—x—	FENCE
■ MW-1	DESTROYED MONITORING WELL
MW-2	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
(3,400)	TPHg CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
— 50 —	EQUAL CONCENTRATION OF TPHg IN GROUNDWATER IN ug/L
[NS]	NOT SAMPLED

FIGURE 8
TPHg ISO-CONCENTRATION MAP
ZONE B-11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

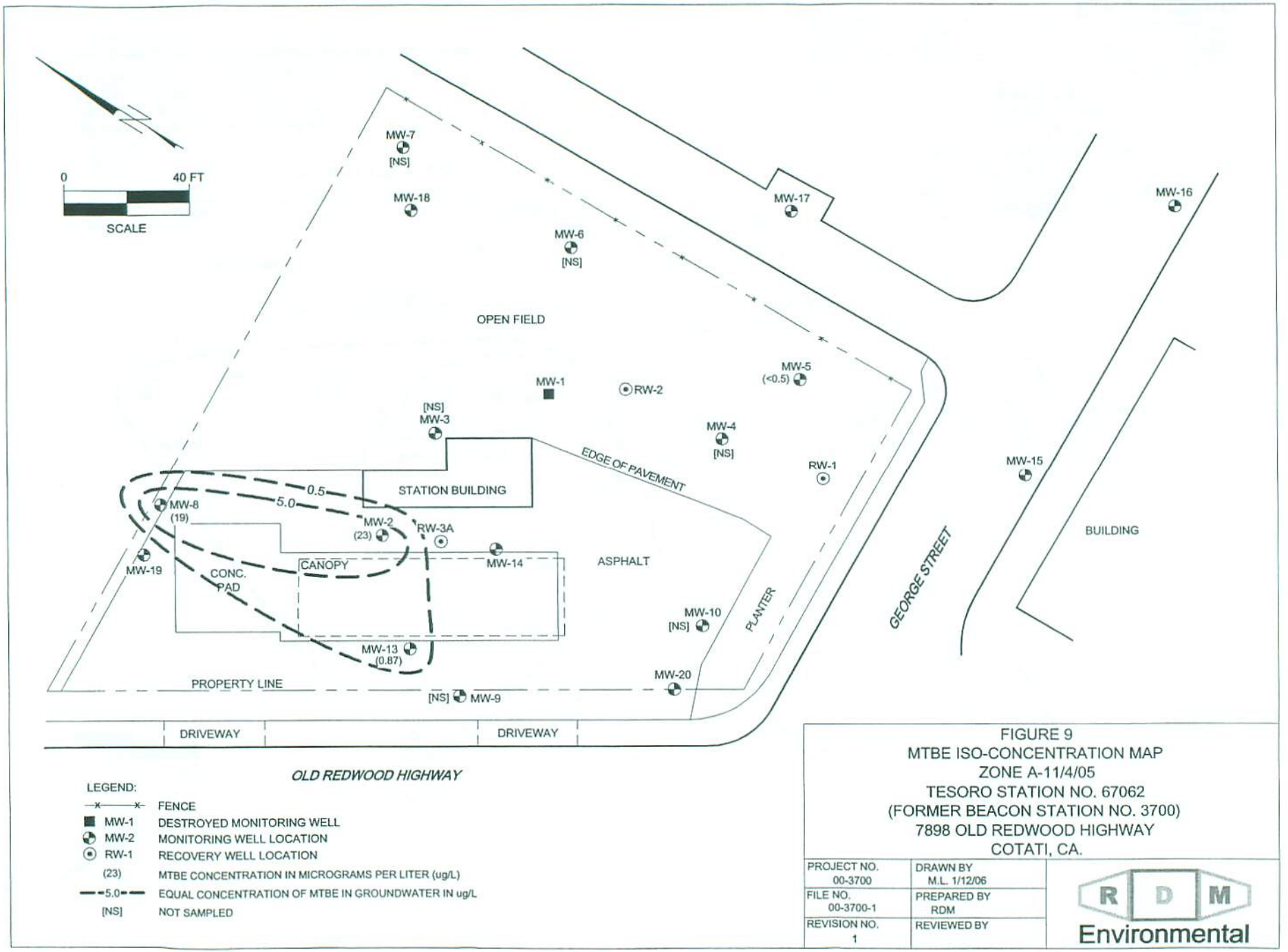
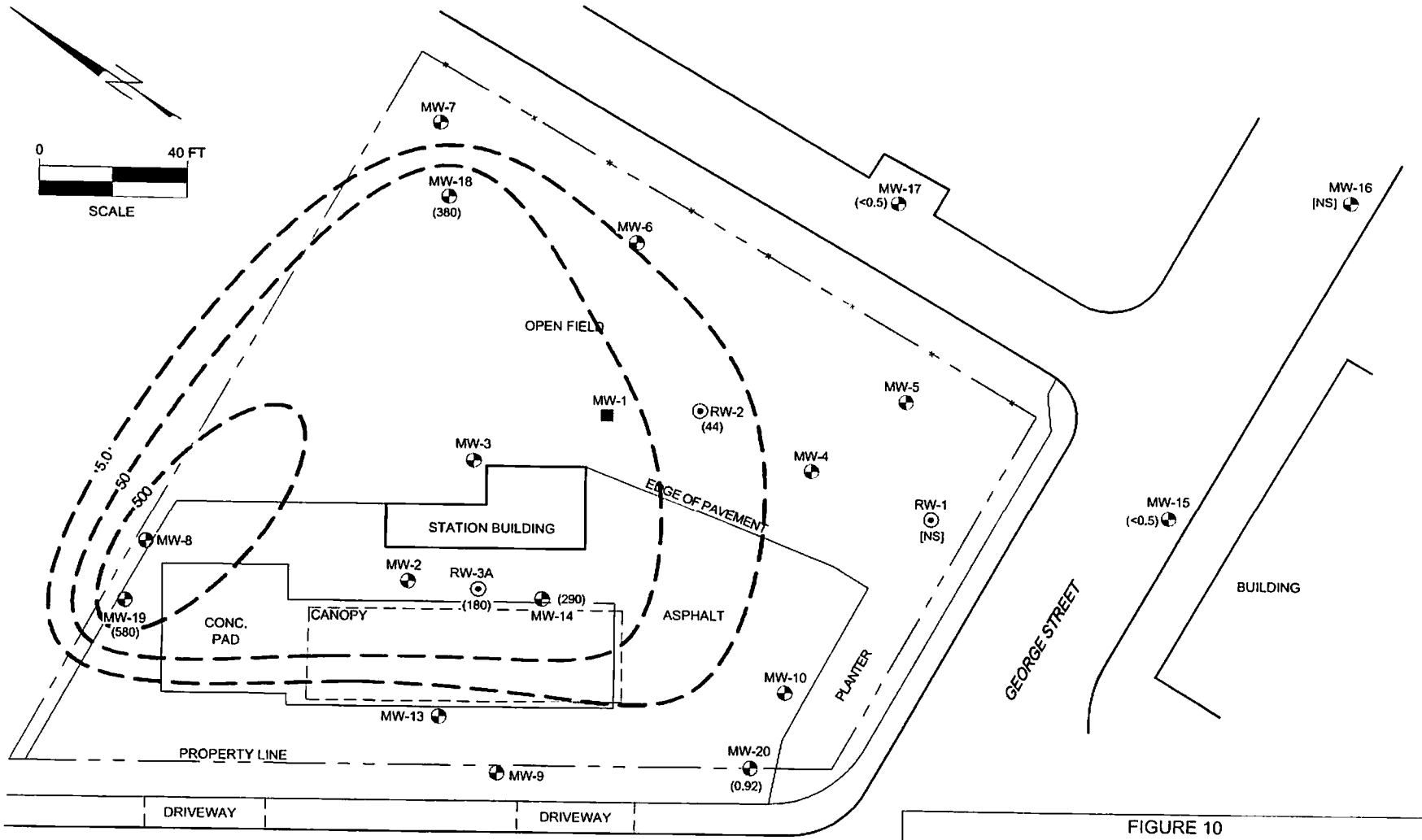


FIGURE 9
MTBE ISO-CONCENTRATION MAP
ZONE A-11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/12/06
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



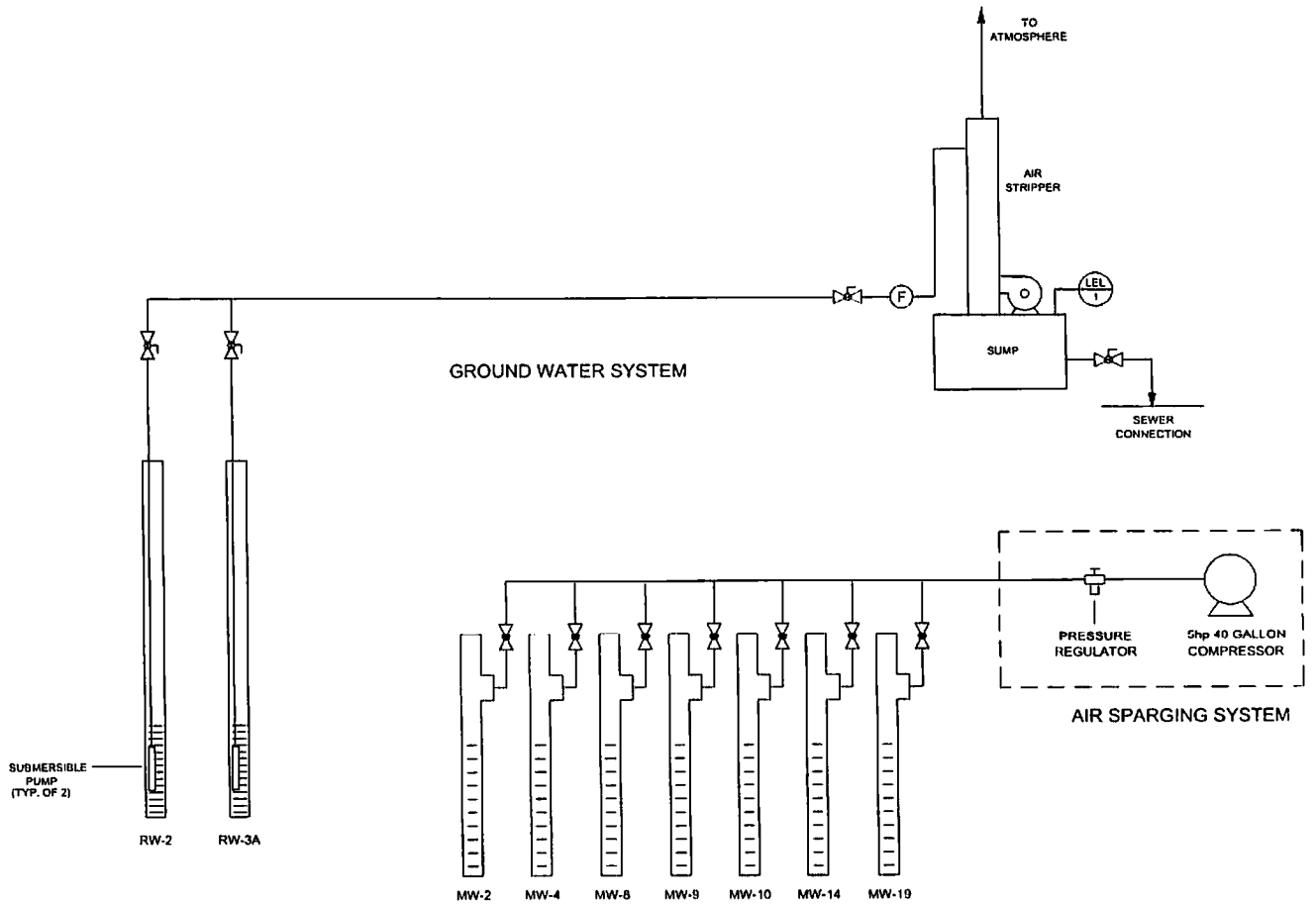
LEGEND:

—x—x—	FENCE
■ MW-1	DESTROYED MONITORING WELL
MW-2	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
(580)	MTBE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
— 50 —	EQUAL CONCENTRATION OF MTBE IN GROUNDWATER IN ug/L
[NS]	NOT SAMPLED

FIGURE 10
MTBE ISO-CONCENTRATION MAP
ZONE A -11/4/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/24/05
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental



Source: Figure Modified From Drawing Provided Delta

LEGEND:

- LS 1 — LEVEL SWITCH
- BALL VALVE
- F — TOTALIZER FLOW METER
- LEL 1 — LOWER EXPLOSIVE LIMIT METER/SWITCH

CONTROL UNIT	FUNCTION
LS 1	H TRANSFER PUMP START L TRANSFER PUMP STOP
LS 2	HH SHUTS OFF SUBMERSIBLE PUMPS IN RW-2, & RW-3A ON HIGH WATER LEVEL IN HOLDING TANK
LEL 1	SHUTS ENTIRE GROUND WATER SYSTEM OFF IF PRESET LIMIT IS EXCEEDED

Note: Not To Scale

FIGURE 11
PROCESS FLOW DIAGRAM
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 5/25/01
FILE NO. 00-3700-4	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM Environmental

ENCLOSURE A

Site Background Information

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

ULTRAMAR INC.

- July 1990 - Ultramar purchased the site from Conoco Inc. At the time of acquisition, sixteen monitoring/recovery wells were present at the site (RW-1, RW-2, RW-3, MW-2 through MW-10, and MW-13 through MW-17). Kayo Oil Company conducted initial environmental investigations in 1985 as a result of an apparent product line release.

- October 1986 - The single-walled tanks at the site were removed and replaced with double-walled fiberglass tanks. Soil samples from the overexcavated tank pit contained TPHg concentrations from 24 ppm to 5,400 ppm (benzene range: <1 ppm to 11 ppm). Further excavation could not be performed due to the proximity of the tank basin to the station building and canopy footings.

- Late 1990 - Ultramar performed a soil vapor survey and vapor extraction influence study to evaluate the feasibility of vapor extraction technology for the site. The investigation showed elevated vapor levels on the property with the highest levels adjacent to the former tank basin. A 75-foot radius of influence was calculated from the feasibility test data.

- Early 1991 - A groundwater remediation system was installed and was operating at the time of Ultramar's purchase of the property. Ultramar made modifications to the system in an effort to maximize groundwater drawdown.

- May 5, 1991 - Soil vapor extraction utilizing an internal combustion engine (ICE) commenced.

- June 1992 - when hydrocarbon concentrations decreased, a Long Term Ambient Venting System (LTAV), consisting of a 100 scfm blower and associated stack, was permitted and installed at the site.

- September 1993 - An air sparging system was installed at the site. The system injected air into wells MW-3, MW-4 and MW-8.

- July 1996 - Based on telephone conversations with the regional water quality control board, the ground water pumping system was shut off.

- December 1996 - The air sparging system expanded to wells RW-3A, MW-2, MW-14 and MW-19.

- May 6, 1998 - The air-sparging system was restarted. The system injects air into wells MW-2, MW-4, MW-8, MW-9 MW-10, MW-14 and MW-19.

- November 17, 1998 - The groundwater pump-and-treat system was restarted. The system pumps water from recovery wells RW-2 and RW-3A.

- On May 17, 2002, the facility ownership was transferred to Tesoro Petroleum.

- On July 31, and August 1, 2003, RDM representative observed the installation of Geoprobe GP-1 through GP-3 and ozone sparge well OS-1.

- The ozone sparge system was installed during the second week in February 2004 and the long term ozone sparge test was put into operation on February 17, 2004.

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

- The ozone test conducted on ozone sparge well OS-1 was discontinued on October 13. 2004.

- Ozone sparge wells OS-2A/B, OS-3A/B, OS-4A/B, OS-5A/B, and OS-6A/B were installed during June 1 through 3. 2005.

ENCLOSURE B

Ground Water Sampling Information

RDM ENVIRONMENTAL
GROUND WATER LEVEL DATA

Project Address: Tesoro Petroleum No. 67062
7898 Old Redwood Hwy, Cotati CA

Date: 11/4/2005

Technicians : SG/DF

Project Number: 67062

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-2	10	1022	12.83	20.98			2" 3.91
MW-3		1033	12.01	22.2			
MW-4		1030	10.18	17.5			
MW-5	3	1007	9.72	23.96			2" 6.84
MW-6		1032	12.85	20.68			
MW-7		1031	10.62	21.4			
MW-8	4	1009	10.60	20.2			2" 4.61
MW-9		1026	8.81	18.7			2"
MW-10		1027	10.45	18.41			2"
MW-13	5	1010	9.57	24.14			2" 6.99
MW-14	12	1025	13.94	35.54			
MW-15	2	1005	10.70	44.33			2" 16.14
MW-16		1034	10.27	35.36			2"
MW-17	1	1004	8.60	30.1			2" - 10.32
MW-18	9	1019	13.21	42.47			2" 14.04
MW-19	8	1016	10.64	40.07			2" - 14.1

RDM ENVIRONMENTAL
GROUND WATER LEVEL DATA

Project Address: Tesoro Petroleum No. 67062
7898 Old Redwood Hwy, Cotati CA

Date: 7/22/2005

Technicians : SG/DF

Project Number: 67062

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-20	6	1011	9.50	16.52			2" 3.37
RW-1		1028	10.03	35.26			6" - Replacement Cap needed.
RW-2	7	1013	11.75	65.6			
RW-3A	11	1024	23.76	38.84			6"

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-2
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1022 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	spange point
Height of Riser	3"		
Well Box	8" (12") 24"	Type of well box	Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	3.91
Time:	1022	Time:		Actual Purge	4.0
Depth of Well	20.98	Depth to Water			
Depth to Water	12.83				

Sample

Start Purge	1645	Sample Time	1710

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1652	65.7	735	6.78					1
1657	65.7	742	6.75					2
1707	65.6	721	6.74					3

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	OK	Box	OK

Remarks:

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-5
Signature:	DA		

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1205 hours
Standing water	Yes (No)	above or below casing	
Top of well level	Yes (No)	Remark:	
Well cap & locked	Yes (No)	Remark:	missing lock
Height of Riser	3"		
Well Box 8" (12") 24"		Type of well box	Morrison Dubuque

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	6.84
Time:	1007	Time:		Actual Purge	7.0
Depth of Well	23.94	Depth to Water			
Depth to Water	9.72				

Sample

Start Purge 1206 Sample Time 1220

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1209	69.4	1109	6.23					1
1212	70.4	1101	6.31					2
1215	72.1	1106	6.38					3

Sample Appearance CLEAR Lock -1

Equipment Replacement

Lock -1 Well Cap ok Bolts ok Box ok

Remarks:

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-8
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1009 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Spare point
Height of Riser	3"		
Well Box	8" (12") 24"	Type of well box	Diversified Well Products

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	4.61
Time:	1009	Time:		Actual Purge	4.0
Depth of Well	20.2	Depth to Water			
Depth to Water	10.60				

Sample

Start Purge	1231	Sample Time	1318

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1236	66.9	584	7.04					1
1252	63.9	595	7.21					2
1315	64.1	555	7.16					3

Sample Appearance	Cloudy	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	-2	Box	Set too low to close cover

Remarks:

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-13
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1010 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	4"		
Well Box 8" (12") 24"	Type of well box	Not marked	

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	6.99
Time:	1010	Time:		Actual Purge	7.25
Depth of Well	24.14	Depth to Water			
Depth to Water	9.57				

Sample

Start Purge	1435	Sample Time	1446

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1437	71.0	612	6.86					1
1440	70.8	606	6.68					2
1442	71.0	603	6.63					3

Sample Appearance	CLEAR	Lock	OK

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	OK	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-14
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1025 hours
Standing water	Yes (No)	above or below casing	
Top of well level	Yes (No)	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	2"		
Well Box	8" (12") 24"	Type of well box	Nut marker

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	10.37
Time:	1025	Time:		Actual Purge	16.0
Depth of Well	35.54	Depth to Water			
Depth to Water	13.94				

Sample

Start Purge	1723	Sample Time	1833

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1726	70.6	814	6.61					1
1731	75.3	995	6.65					2
1756	73.4	1079	6.60					3
1803	79.8	1110	6.54					4
1830	73.9	1071	6.57					5

Sample Appearance	Clear	Lock	OK

Equipment Replacement

Lock	OK	Well Cap	OK	Bolts	OK	Box	OK

Remarks: Allowed to recharge 15 minutes between volumes 2 + 3
Allowed to recharge 20 minutes between volumes 4 + 5

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-15
Signature:			

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1005 hours
Standing water	(Yes) No	(above) or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	16" in 17" SP.		
Well Box	(8") 12" 24"	Type of well box	Morrison Dubuque

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	16.14
Time:	1005	Time:		Actual Purge	16.25
Depth of Well	44.33	Depth to Water			
Depth to Water	10.70				

Sample

Start Purge	1135	Sample Time	1154

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1139	70.2	605	6.57					1
1142	70.8	655	6.63					2
1150	71.7	656	6.63					3

Sample Appearance	CLEAR	Lock	ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	2	Box	ok

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-17
Signature:			

Well Box Condition/Traffic

Traffic Control	Yes	No	Time:	1004 hours
Standing water	Yes	No	above or below casing	
Top of well level	Yes	No	Remark:	
Well cap & locked	Yes	No	Remark:	
Height of Riser	7"			
Well Box	8" 12" 24"	Type of well box	Christy	

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	10.32
Time:	1004	Time:		Actual Purge	14.0
Depth of Well	30.1	Depth to Water			
Depth to Water	8.60				

Sample

Start Purge	1105	Sample Time	1123

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1107	68.1	805	6.45					1
1109	67.9	1052	6.63					2
1111	67.8	1028	6.63					3
1114	67.8	1017	6.71					4

Sample Appearance	CLEAR	Lock	ok

Equipment Replacement

Lock	ok	Well Cap	ok	Bolts	n/a	Box	ok

Remarks:

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-18
Signature:	[signature]		

Well Box Condition/Traffic

Traffic Control	Yes **No**	Time:	1019 hours
Standing water	Yes **No**	above or below casing	
Top of well level	**Yes** No	Remark:	
Well cap & locked	**Yes** No	Remark:	
Height of Riser	23"		
Well Box 8" 12" 24"	Type of well box	6X6' Stand pipe 26" tall	

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	14.04
Time:	1019	Time:		Actual Purge	14.5
Depth of Well	42.47	Depth to Water			
Depth to Water	13.21				

Sample

Start Purge 1611 Sample Time 1625

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1613	65.6	1115	7.02					1
1616	67.0	1101	7.00					2
1620	67.6	1113	6.99					3

Sample Appearance CLEAR Lock OK

Equipment Replacement

Lock OK Well Cap OK Bolts N/A Box OK

Remarks:

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-19
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1016 hours
Standing water	Yes (No)	above or below casing	
Top of well level	Yes (No)	Remark:	
Well cap & locked	Yes (No)	Remark:	Spare part
Height of Riser	2"		
Well Box	(8") 12" 24"	Type of well box	Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	14.1
Time:	1016	Time:		Actual Purge	14.5
Depth of Well	40.07	Depth to Water			
Depth to Water	10.64				

Sample

Start Purge	1534	Sample Time	1545

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1538	69.4	543	6.69					1
1540	69.6	547	6.58					2
1542	69.6	548	6.56					3

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	OK	Box	OK

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	MW-2
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1011 hours
Standing water	Yes (No)	above or below casing	
Top of well level	Yes (No)	Remark:	
Well cap & locked	(Yes) No	Remark:	
Height of Riser	0"		
Well Box	(8") 12" 24"	Type of well box	Not marked

Purging/Sampling Equipment

Purging -

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	3.37
Time:	1011	Time:		Actual Purge	3.5
Depth of Well	16.52	Depth to Water			
Depth to Water	9.50				

Sample

Start Purge	1455	Sample Time	1510

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1502	71.2	704	6.64					1
1504	70.6	715	6.61					2
1507	69.6	717	6.67					3

Sample Appearance	CLEAR	Lock	ON

Equipment Replacement

Lock	ON	Well Cap	ON	Bolts	ON	Box	ON

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	RW-2
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	Yes (No)	Time:	1013 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Recovery well
Height of Riser	0"		
Well Box 8" 12" 24"	Type of well box	28½" X 40½", not marked	

Purging/Sampling Equipment

Purging - RECOVERY WELL

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

Well Diameter:	2"	4"	6"	8"
Purge Vol. Multiplier (24" well)	0.16	0.65	1.47	2.61

Initial Measurement		Recharge Measurement		Calculated Purge	?
Time:	1013	Time:		Actual Purge	1000
Depth of Well	65.6	Depth to Water			
Depth to Water	11.75				

Sample

Start Purge	1100	Sample Time	1515

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
			N/A	Recovery well				

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

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

Remarks:

RDM ENVIRONMENTAL

SAMPLE INFORMATION SHEET

Client:	Tesoro Petroleum	Sample Data:	11/4/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	**Well Designation:**	RW-3A
Signature:	[illegible]		

Well Box Condition/Traffic

Traffic Control	(Yes) No	Time:	1024 hours
Standing water	Yes (No)	above or below casing	
Top of well level	(Yes) No	Remark:	
Well cap & locked	Yes (No)	Remark:	Recovery well
Height of Riser	0"		
Well Box 8" 12" 24" 36"		Type of well box	Pameco

Purging/Sampling Equipment

Purging - Recovery Well

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

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	

Well Purging

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

Initial Measurement		Recharge Measurement		Calculated Purge	66.50
Time:	1024	Time:		Actual Purge	N/A
Depth of Well	38.84	Depth to Water			Active Recovery Well
Depth to Water	23.76				

Sample

Start Purge	N/A	Sample Time	1655

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
		N/A		Recovery Well				

Sample Appearance	CLEAR	Lock	N/A

Equipment Replacement

Lock	N/A	Well Cap	OK	Bolts	OK	Box	OK except threads stripped

Remarks:

ENCLOSURE C

Ground Water Analytical Results

KIFF Analytical LLC

Report Number : 46881
Date : 11/14/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 12 Water Samples
Project Name : Tesoro St 67062
Project Number : 67062

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 46881
Date : 11/14/2005

Subject : 12 Water Samples
Project Name : Tesoro St 67062
Project Number : 67062

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample RW-3A for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joe Kiff

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

KIFF Analytical LLC

Report Number : 46881
Date : 11/14/2005

Project Name : **Tesoro St 67062**
Project Number : **67062**

Sample : **MW-2** Matrix : Water Lab Number : 46881-01
Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	**23**	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	**120**	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	**78**	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	97.5		% Recovery	EPA 8260B	11/11/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-5** Matrix : Water Lab Number : 46881-02

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.0**	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-8** Matrix : Water Lab Number : 46881-03

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**19**	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-13** Matrix : Water Lab Number : 46881-04

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	**0.87**	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	11/11/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-14** Matrix : Water Lab Number : 46881-05

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**690**	1.5	ug/L	EPA 8260B	11/12/2005
Toluene	**36**	1.5	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**36**	1.5	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**150**	1.5	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**290**	1.5	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 1.5**	1.5	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 1.5**	1.5	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 1.5**	1.5	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**370**	7.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**3400**	150	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-15** Matrix : Water Lab Number : 46881-06

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/11/2005

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-17** Matrix : Water Lab Number : 46881-07

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	11/11/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-18** Matrix : Water Lab Number : 46881-08

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**380**	0.80	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.80**	0.80	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**< 80**	80	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	94.9		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-19** Matrix : Water Lab Number : 46881-09

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**580**	0.90	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.90**	0.90	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**< 90**	90	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	95.0		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **MW-20** Matrix : Water Lab Number : 46881-10

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**0.92**	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **RW-2** Matrix : Water Lab Number : 46881-11

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**10**	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**0.54**	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**0.73**	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**44**	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**8.3**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**60**	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46881

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Sample : **RW-3A** Matrix : Water Lab Number : 46881-12

Sample Date :11/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**35**	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	**1.8**	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	**3.0**	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	**5.3**	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	**180**	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	**820**	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	**1000**	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	111		% Recovery	EPA 8260B	11/12/2005

Approved By: Joel Kiff

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

Report Number : 46881

Date : 11/14/2005

QC Report : Method Blank Data

Project Name : **Tesoro St 67062**

Project Number : **67062**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	94.0		%	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	98.9		%	EPA 8260B	11/12/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	95.5		%	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	98.4		%	EPA 8260B	11/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	105		%	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	107		%	EPA 8260B	11/11/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	98.7		%	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	11/11/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46881

Date : 11/14/2005

QC Report : Method Blank Data

Project Name : **Tesoro St 67062**

Project Number : **67062**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/11/2005
Toluene - d8 (Surr)	96.4		%	EPA 8260B	11/11/2005
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	11/11/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/12/2005
Toluene - d8 (Surr)	96.6		%	EPA 8260B	11/12/2005
4-Bromofluorobenzene (Surr)	109		%	EPA 8260B	11/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46881

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

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	46899-01	<0.50	40.0	40.0	36.6	36.3	ug/L	EPA 8260B	11/12/05	91.5	90.8	0.820	70-130	25
Toluene	46899-01	<0.50	40.0	40.0	35.0	34.6	ug/L	EPA 8260B	11/12/05	87.6	86.5	1.25	70-130	25
Tert-Butanol	46899-01	<5.0	200	200	198	206	ug/L	EPA 8260B	11/12/05	99.0	103	3.89	70-130	25
Methyl-t-Butyl Ether	46899-01	<0.50	40.0	40.0	39.4	39.5	ug/L	EPA 8260B	11/12/05	98.6	98.8	0.258	70-130	25
Benzene	46881-01	<0.50	40.0	40.0	37.1	35.8	ug/L	EPA 8260B	11/11/05	92.8	89.6	3.50	70-130	25
Toluene	46881-01	<0.50	40.0	40.0	36.4	35.2	ug/L	EPA 8260B	11/11/05	91.1	88.1	3.36	70-130	25
Tert-Butanol	46881-01	120	200	200	317	320	ug/L	EPA 8260B	11/11/05	101	102	1.41	70-130	25
Methyl-t-Butyl Ether	46881-01	23	40.0	40.0	61.9	59.9	ug/L	EPA 8260B	11/11/05	97.7	92.7	5.24	70-130	25
Benzene	46880-03	7.1	40.0	40.0	45.7	44.3	ug/L	EPA 8260B	11/11/05	96.5	93.0	3.66	70-130	25
Toluene	46880-03	1.0	40.0	40.0	41.6	41.0	ug/L	EPA 8260B	11/11/05	101	99.9	1.41	70-130	25
Tert-Butanol	46880-03	13	200	200	203	208	ug/L	EPA 8260B	11/11/05	95.0	97.4	2.44	70-130	25
Methyl-t-Butyl Ether	46880-03	3.6	40.0	40.0	35.0	35.4	ug/L	EPA 8260B	11/11/05	78.7	79.6	1.21	70-130	25
Benzene	46882-01	<0.50	40.0	40.0	40.2	38.7	ug/L	EPA 8260B	11/11/05	101	96.8	3.82	70-130	25
Toluene	46882-01	<0.50	40.0	40.0	39.7	38.1	ug/L	EPA 8260B	11/11/05	99.2	95.3	4.07	70-130	25
Tert-Butanol	46882-01	24	200	200	242	242	ug/L	EPA 8260B	11/11/05	109	109	0.209	70-130	25
Methyl-t-Butyl Ether	46882-01	95	40.0	40.0	135	135	ug/L	EPA 8260B	11/11/05	101	99.8	1.08	70-130	25
Benzene	46881-06	<0.50	40.0	40.0	40.0	39.0	ug/L	EPA 8260B	11/11/05	100	97.4	2.65	70-130	25
Toluene	46881-06	<0.50	40.0	40.0	39.1	38.0	ug/L	EPA 8260B	11/11/05	97.8	95.0	2.85	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46881

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

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	46881-06	<5.0	200	200	208	208	ug/L	EPA 8260B	11/11/05	104	104	0.229	70-130	25
Methyl-t-Butyl Ether	46881-06	<0.50	40.0	40.0	42.3	39.3	ug/L	EPA 8260B	11/11/05	106	98.2	7.55	70-130	25
Benzene	46900-01	620	40.0	40.0	642	625	ug/L	EPA 8260B	11/12/05	44.5	2.00	183	70-130	25
Toluene	46900-01	3.6	40.0	40.0	41.2	40.9	ug/L	EPA 8260B	11/12/05	93.9	93.0	0.907	70-130	25
Tert-Butanol	46900-01	700	200	200	894	897	ug/L	EPA 8260B	11/12/05	96.2	97.5	1.30	70-130	25
Methyl-t-Butyl Ether	46900-01	80	40.0	40.0	123	122	ug/L	EPA 8260B	11/12/05	108	104	3.61	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46881

QC Report : Laboratory Control Sample (LCS)

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/12/05	89.7	70-130
Toluene	40.0	ug/L	EPA 8260B	11/12/05	89.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/12/05	95.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/12/05	105	70-130
Benzene	40.0	ug/L	EPA 8260B	11/11/05	90.5	70-130
Toluene	40.0	ug/L	EPA 8260B	11/11/05	92.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/11/05	98.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/11/05	106	70-130
Benzene	40.0	ug/L	EPA 8260B	11/11/05	99.2	70-130
Toluene	40.0	ug/L	EPA 8260B	11/11/05	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/11/05	95.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/11/05	82.5	70-130
Benzene	40.0	ug/L	EPA 8260B	11/11/05	98.5	70-130
Toluene	40.0	ug/L	EPA 8260B	11/11/05	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/11/05	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/11/05	104	70-130
Benzene	40.0	ug/L	EPA 8260B	11/11/05	97.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46881

QC Report : Laboratory Control Sample (LCS)

Date : 11/14/2005

Project Name : **Tesoro St 67062**

Project Number : **67062**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	11/11/05	94.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/11/05	98.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/11/05	101	70-130
Benzene	40.0	ug/L	EPA 8260B	11/12/05	94.8	70-130
Toluene	40.0	ug/L	EPA 8260B	11/12/05	93.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/12/05	99.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/12/05	101	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 46881
Date : 11/14/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :Tesoro St 67062
Project Number : 67062

		Sample Name	MW-2		MW-5		MW-8		MW-13		MW-14		MW-15		MW-17		MW-18	
		Sample Date	11/4/2005		11/4/2005		11/4/2005		11/4/2005		11/4/2005		11/4/2005		11/4/2005		11/4/2005	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	1.0	0.50	ND	0.50	ND	1.5	690	0.50	ND	0.50	ND	0.80	ND
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	36	0.50	ND	0.50	ND	0.80	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	36	0.50	ND	0.50	ND	0.80	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	150	0.50	ND	0.50	ND	0.80	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	23	0.50	ND	0.50	19	0.50	0.87	1.5	290	0.50	ND	0.50	ND	0.80	380
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.80	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.80	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	1.5	ND	0.50	ND	0.50	ND	0.80	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	120	5.0	ND	5.0	ND	5.0	ND	7.0	370	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	78	50	ND	50	ND	50	ND	150	3400	50	ND	50	ND	80	ND
Toluene - d8 (Surr)	EPA 8260B	%		99.3		103		104		98.5		98.4		96.3		98.4		94.9
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.5		104		104		109		110		104		108		99.6

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

KIFF Analytical LLC

Analysis Summary

Report Number : 46881
Date : 11/14/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :Tesoro St 67062
Project Number : 67062

		Sample Name	MW-19		MW-20		RW-2		RW-3A	
		Sample Date	11/4/2005		11/4/2005		11/4/2005		11/4/2005	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	**10**	0.50	**35**
Toluene	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	ND	0.50	**1.8**
Ethylbenzene	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	**0.54**	0.50	**3.0**
Total Xylenes	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	**0.73**	0.50	**5.3**
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.90	**580**	0.50	**0.92**	0.50	**44**	0.50	**180**
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.90	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	5.0	**8.3**	5.0	**820**
TPH as Gasoline	EPA 8260B	ug/L	90	ND	50	ND	50	**60**	50	**1000**
Toluene - d8 (Surr)	EPA 8260B	%		95.0		97.7		105		96.2
4-Bromofluorobenzene (Surr)	EPA 8260B	%		98.6		110		103		111

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 46881

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

California EDF Report? ☐ Yes ☐ No

Company / Address: 6280 Brookshire Dr Rocklin CA 95677

Sampling Company Log Code:

Phone #: 916 415 1134

Fax #: 916 415 1154

Global ID: T0609700002

Project #: 67062

P.O. #:

EDF Deliverable To (Email Address):

Project Name: Tesoro St 67062

Sampler Signature:

Project Address: 7898 Old Redwood Hwy Cotati, CA

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT	For Lab Use Only
MW-2	11/4/05	1710	3					X			X					X	X	X														01
MW-5	11/4/05	1220	3					X			X					X	X	X														02
MW-8	11/4/05	1318	3					X			X					X	X	X														03
MW-13	11/4/05	1446	3					X			X					X	X	X														04
MW-14	11/4/05	1833	3					X			X					X	X	X														05
MW-15	11/4/05	1154	3					X			X					X	X	X														06
MW-17	11/4/05	1123	3					X			X					X	X	X														07
MW-18	11/4/05	1625	3					X			X					X	X	X														08
MW-19	11/4/05	1545	3					X			X					X	X	X														09
MW-20	11/4/05	1570	3					X			X					X	X	X														10

Relinquished by:	Date	Time	Received by:
Douglas Hoff	111005	1348	

Relinquished by:	Date	Time	Received by Laboratory:
	111005	1348	Kiff Analytical

Remarks: STAT

email copy to RDM

Bill to: Tesoro Petroleum / Rob Donovan

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
1.0°C	BHB	111005	1627	IR-4	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 46881

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

California EDF Report? ☐ Yes ☐ No

Company / Address: 6280 Brookshire Dr Rocklin CA 95677

Sampling Company Log Code:

Phone #: 916 415 1134

Fax #: 916 415 1134

Global ID: T0609700002

Project #: 67062

P.O. #:

EDF Deliverable To (Email Address):

Project Name: Tesoro ST 67062

Sampler Signature:

Project Address: 7898 Old Redwood Hwy Cotati, CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT: 12 hr	24 hr	48 hr	72 hr	1 wk	For Lab Use Only
RW-2	11/4/05	1515	3					X			X					X	X	X															-11
RW-3A	11/4/05	1655	3					X			X					X	X	X															-12

Relinquished by:	Date	Time	Received by:
Douglas Hoff	111005	1348	
	111005	1348	Received by Laboratory: A. NA Kiff Analytical

Remarks: STAT

email copy to RDM

Bill to: Tesoro Petroleum / Rob Dawson

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

ENCLOSURE D

Historical Ground Water Monitoring Data

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-1	05/25/93[4]					
MW-2	02/15/96	106.58	10.04	96.54	---	No free product/no sheen
	05/29/96		11.13	95.45	---	No free product/no sheen
	08/15/96		14.05	92.53	---	No free product/no sheen
	11/20/96		16.73	89.85	---	No free product/no sheen
	02/27/97		9.18	97.40	---	No free product/no sheen
	05/30/97		12.79	93.79	22.10	
	07/30/97		15.25	91.33	22.10	
	12/04/97		13.99	92.59	22.11	
	02/17/98		5.51	101.07	22.12	
	05/18/98		10.29	96.29	22.16	
MW-3	02/15/96	105.99	10.40	95.59	---	No free product/no sheen
	05/29/96		11.69	94.30	---	No free product/no sheen
	08/15/96		11.82	94.17	---	No free product/no sheen
	11/20/96		17.36	88.63	---	No free product/no sheen
	02/27/97		9.15	69.84	---	No free product/no sheen
	05/30/97		13.06	92.93	22.20	
	07/30/97		15.40	90.59	22.22	
	12/04/97		14.20	91.79	22.22	
	02/17/98		4.98	101.01	22.25	
	05/18/98		8.89	97.10	22.25	
MW-4	02/15/96	104.52	12.31	92.21	---	No free product/no sheen
	05/29/96		12.83	91.69	---	No free product/no sheen
	08/15/96		16.22	88.30	---	No free product/no sheen
	11/20/96		---	----	---	Well Dry
	02/27/97		8.73	95.79	---	No free product/no sheen
	05/30/97		13.49	91.03	17.45	
	07/30/97		15.58	88.94	17.45	
	12/04/97		14.23	90.29	17.43	
	02/17/98		4.52	100.00	17.41	
	05/18/98		8.12	96.40	17.40	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyed.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-5	02/15/96	104.91	14.14	90.77	---	No free product/no sheen
	05/29/96		13.07	91.84	---	No free product/no sheen
	08/15/96		15.70	89.21	---	No free product/no sheen
	11/20/96		19.27	85.64	---	No free product/no sheen
	02/27/97		9.66	95.25	---	No free product/no sheen
	05/30/97		13.77	91.14	23.97	
	07/30/97		16.17	88.74	23.96	
	12/04/97		17.10	87.81	23.98	
	02/17/98		4.38	100.53	20.71	
	05/18/98		7.95	96.96	23.97	
MW-6	02/15/96	107.81	12.16	95.65	---	No free product/no sheen
	05/29/96		14.57	93.24	---	No free product/no sheen
	08/15/96		16.74	91.07	---	No free product/no sheen
	11/20/96		---	---	---	Well Dry
	02/27/97		11.82	95.99	---	No free product/no sheen
	05/30/97		15.65	92.16	20.71	
	07/30/97		17.02	90.79	20.71	
	12/04/97		15.01	92.80	20.70	
	02/17/98		7.01	100.80	20.71	
	05/18/98		9.50	98.31	20.71	
MW-7	02/15/96	106.31	9.52	96.79	---	No free product/no sheen
	05/29/96		10.72	95.59	---	No free product/no sheen
	08/15/96		13.89	92.49	---	No free product/no sheen
	11/20/96		17.64	88.67	---	Well Dry
	02/27/97		9.54	96.77	---	No free product/no sheen
	05/30/97		12.85	93.46	21.45	
	07/30/97		15.15	91.16	21.45	
	12/04/97		13.83	92.48	21.45	
	02/17/98		6.44	99.87	21.45	
	05/18/98		9.29	97.02	21.46	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyled.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-8	02/15/96	106.50	8.61	97.89	---	No free product/no sheen
	05/29/96		10.08	96.42	---	No free product/no sheen
	08/15/96		13.34	93.16	---	No free product/no sheen
	11/20/96		16.09	90.41	---	No free product/no sheen
	02/27/97		8.92	97.58	---	No free product/no sheen
	05/30/97		11.99	94.51	18.45	
	07/30/97		14.36	92.14	18.45	
	12/04/97		8.82	97.68	18.46	
	02/17/98		3.59	102.91	18.46	
	05/18/98		8.55	97.95	18.47	
MW-9	02/15/96	106.25	8.87	97.38	---	No free product/no sheen
	05/29/96		9.50	96.75	---	No free product/no sheen
	08/15/96		12.74	93.51	---	No free product/no sheen
	11/20/96		15.31	90.94	---	No free product/no sheen
	02/27/97		8.25	98.00	---	No free product/no sheen
	05/30/97		11.51	94.74	18.59	
	07/30/97		14.13	92.12	18.56	
	12/04/97		12.64	93.61	18.57	
	02/17/98		3.48	102.77	18.57	
	05/18/98		7.65	98.60	18.56	
MW-10	02/15/96	106.47	12.05	94.42	---	No free product/no sheen
	05/29/96		11.64	94.83	---	No free product/no sheen
	08/15/96		15.11	91.36	---	No free product/no sheen
	11/20/96		17.13	89.34	---	No free product/no sheen
	02/27/97		9.66	96.81	---	No free product/no sheen
	05/30/97		13.67	92.80	18.42	
	07/30/97		16.04	90.43	18.43	
	12/04/97		15.90	90.57	18.44	
	02/17/98		6.29	100.18	18.42	
	05/18/98		9.16	97.31	18.44	
MW-12	05/25/93[4]					

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyed.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-13	02/15/96	106.01	8.55	97.46	---	No free product/no sheen
	05/29/96		9.42	96.59	---	No free product/no sheen
	08/15/96		12.63	93.38	---	No free product/no sheen
	11/20/96		15.21	90.80	---	No free product/no sheen
	02/27/97		8.16	97.85	---	No free product/no sheen
	05/30/97		11.45	94.56	24.01	
	07/30/97		14.00	92.01	24.01	
	12/04/97		12.51	93.50	24.02	
	02/17/98		5.19	100.82	24.02	
	05/18/98		8.12	97.89	24.02	
MW-14	02/15/96	106.64	12.83	93.81	---	No free product/no sheen
	05/29/96		14.15	92.49	---	No free product/no sheen
	08/15/96		16.13	90.51	---	No free product/no sheen
	11/20/96		19.21	87.43	---	No free product/no sheen
	02/27/97		11.40	95.24	---	No free product/no sheen
	05/30/97		15.40	91.60	39.56	
	07/30/97		17.26	89.38	39.57	
	12/04/97		16.38	90.26	39.58	
	02/17/98		6.83	99.81	39.58	
	05/18/98		10.24	96.40	39.58	
MW-15	02/15/96	105.12	15.82	89.30	---	No free product/no sheen
	05/29/96		13.60	91.52	---	No free product/no sheen
	08/15/96		16.47	88.65	---	No free product/no sheen
	11/20/96		19.73	85.39	---	No free product/no sheen
	02/27/97		12.22	92.90	---	No free product/no sheen
	05/30/97		15.14	89.98	44.32	
	07/30/97		17.56	87.56	44.32	
	12/04/97		18.56	86.56	44.33	
	02/17/98		8.91	96.21	44.31	
	05/18/98		10.12	95.00	44.30	

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyed.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-16	02/15/96	104.92	13.50	91.42	---	No free product/no sheen
	05/29/96		11.56	93.36	---	No free product/no sheen
	08/15/96		14.84	90.08	---	No free product/no sheen
	11/20/96		18.15	86.77	---	No free product/no sheen
	02/27/97		10.97	93.95	---	No free product/no sheen
	05/30/97		13.84	91.08	35.20	
	07/30/97		15.82	89.10	35.21	
	12/04/97		14.41	90.51	35.21	
	02/17/98		8.23	96.69	35.24	
	05/18/98		8.48	96.44	35.23	
MW-17	02/15/96	103.01	13.91	89.10	---	No free product/no sheen
	05/29/96		14.17	88.84	---	No free product/no sheen
	08/15/96		16.75	86.26	---	No free product/no sheen
	11/20/96		18.93	84.08	---	No free product/no sheen
	02/27/97		10.85	92.16	---	No free product/no sheen
	05/30/97		14.33	88.68	39.10	
	07/30/97		17.03	85.98	39.11	
	12/04/97		15.02	87.99	39.10	
	02/17/98		7.12	95.89	39.07	
	05/18/98		9.60	93.41	39.08	
MW-18	02/15/96	108.35	12.56	95.79	---	No free product/no sheen
	05/29/96		13.90	94.45	---	No free product/no sheen
	08/15/96		16.81	91.54	---	No free product/no sheen
	11/20/96		20.54	87.81	---	No free product/no sheen
	02/27/97		12.33	96.02	---	No free product/no sheen
	05/30/97		15.71	92.64	42.36	
	07/30/97		18.06	90.29	42.37	
	12/04/97		16.32	92.03	42.38	
	02/17/98		9.20	99.15	42.38	
	05/18/98		12.03	96.32	42.36	

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyed.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
MW-19	02/15/96	106.43	8.56	97.87	---	No free product/no sheen
	05/29/96		10.21	96.22	---	No free product/no sheen
	08/15/96		13.25	93.18	---	No free product/no sheen
	11/20/96		16.36	90.07	---	No free product/no sheen
	02/27/97		9.56	96.87	---	No free product/no sheen
	05/30/97		12.04	94.39	39.92	
	07/30/97		14.37	92.06	39.91	
	12/04/97		13.78	92.65	39.93	
	02/17/98		6.03	100.40	39.92	
	05/18/98		8.85	97.58	39.96	
MW-20	02/15/96	105.91	10.47	95.44	---	No free product/no sheen
	05/29/96		10.35	95.56	---	No free product/no sheen
	08/15/96		13.67	92.24	---	No free product/no sheen
	11/20/96		15.85	90.06	---	No free product/no sheen
	02/27/97		8.79	97.12	---	No free product/no sheen
	05/30/97		12.30	93.61	33.29	
	07/30/97		14.84	91.07	33.27	
	12/04/97		14.01	91.90	33.27	
	02/17/98		5.64	100.27	33.27	
	05/18/98		8.36	97.55	33.28	
RW-1	02/15/96	105.17	15.13	90.04	---	No free product/no sheen
	05/29/96		13.77	91.40	---	No free product/no sheen
	08/15/96		16.53	88.64	---	No free product/no sheen
	11/20/96		19.81	85.36	---	No free product/no sheen
	02/27/97		10.12	95.05	---	No free product/no sheen
	05/30/97		14.62	90.55	35.20	
	07/30/97		16.95	88.22	35.22	
	12/04/97		16.21	88.96	35.23	
	02/17/98		6.19	98.98	35.23	
	05/18/98		8.85	96.32	35.21	

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyed.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth[3]	Comments
RW-2	02/15/96	105.22	20.94	84.28	---	No free product/no sheen
	05/29/96		54.66	50.56	---	No free product/no sheen
	08/15/96		18.31	86.91	---	No free product/no sheen
	11/20/96		22.02	83.20	---	No free product/no sheen
	02/27/97		11.95	93.27	---	No free product/no sheen
	05/30/97		16.24	88.98	65.61	
	07/30/97		18.66	86.56	65.61	
	12/04/97		17.89	87.33	65.60	
	02/17/98		4.72	100.50	65.60	
	05/18/98		10.71	94.51	65.64	
RW-3	02/27/95[5]					
RW-3A	02/15/96	105.72	10.25	95.47	---	No free product/no sheen
	05/29/96		11.23	94.49	---	No free product/no sheen
	08/15/96		13.97	91.75	---	No free product/no sheen
	11/20/96		16.90	88.82	---	No free product/no sheen
	02/27/97		8.80	96.92	---	No free product/no sheen
	05/30/97		12.47	93.25	38.89	
	07/30/97		14.93	90.79	38.87	
	12/04/97		13.42	92.30	38.88	
	02/17/98		4.81	100.91	38.82	
	05/18/98		8.59	97.13	38.82	

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation refrenced to mean sea level.
Well Depth [3] = Measurement from top of casing to bottom of well.
4 = Well destroyled.
5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)
--- = Not measured/not observed.
** = Well has been dry or not listed for sampling since 3/92.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	05/27/93[2]						
MW-2	02/15/96	2,400*	NA	<2.5	<2.5	<2.5	<2.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	1,300*	NA	<1.3	<1.3	<1.3	<1.3
	08/15/96	11,000	20,000	<50	<50	<50	<50
	11/20/96	9,500	13,000	<50	<50	<50	<50
	02/27/97	7,700	13,000	<13	<13	<13	<13
	05/30/97	<5,000	14,000	<50	<50	<50	<50
	07/30/97	<5,000	14,000	<50	54	<50	88
	12/04/97	48,000	3,900	<50	<50	<50	<50
	02/17/98	4,400	5,400	<50	<50	<50	<50
	05/18/98	<5,000	12,000	<50	<50	<50	<50
MW-3	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	8.9	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<1,000	1,600	<10	<10	<10	<10
	07/30/97	<1,000	6,100	<10	<10	<10	<10
	12/04/97[5]						
	02/17/98	<1,000	2,200	<10	<10	<10	<10
	05/18/98[5]						
MW-4	02/15/96	210	NA	11	1	1.1	63
	05/29/96	<50	NA	1.9	<0.5	<0.5	1.1
	08/15/96	<50	7.6	2.4	<0.5	<0.5	1.5
	11/20/96	NS	NA	NS	NS	NS	NS
	02/27/97	<50	<5.0	0.68	<0.5	<0.5	<0.5
	05/30/97	<50	5.8	0.81	3.7	<0.50	0.78
	07/30/97	65	9.2	0.52	0.96	<0.50	0.85
	12/04/97[5]						
	02/17/98	71	<5.0	<0.50	<0.50	<0.50	1.3
	05/18/98[5]						
MW-5	02/15/96	<50	NA	0.58	<0.5	<0.5	<0.5
	05/29/96	<50	NA	0.65	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	1.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	0.53	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	0.85	<0.50	<0.50	<0.50
	12/04/97	16,000	<25	<2.5	11	<2.5	99
	02/17/98	110	20	<0.50	0.58	<0.50	<0.50
	05/18/98	170	<5.0	0.67	<0.50	<0.50	<0.50

MTBE[1] = Methyl-Tertiary-Butyl Ether.
[2] = Well Destroyed.
< = Below indicated detection limit.
NA = Not Analyzed.
NS = Not Sampled.
* = Product is not typical gasoline.
[3] = Not Sampled; Well Casing Bent.
[4] = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).
[5] = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-6	02/15/96[3]						
	05/29/96[3]						
	08/15/96[3]						
	11/20/96[3]						
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97[3]						
	12/04/97[3]						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98[5]						
MW-7	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	6.8	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	13	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	23	<0.50	<0.50	<0.50	<0.50
	12/04/97[5]						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98[5]						
MW-8	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	67*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	220	520	<0.5	<0.5	<0.5	<0.5
	11/20/96	5,100	8,600	<13	<13	<13	<13
	02/27/97	130	510	<0.5	<0.5	<0.5	<0.5
	05/30/97	130	75	<0.50	<0.50	<0.50	1.2
	07/30/97	<50	<5.0	0.57	<0.50	<0.50	<0.50
	12/04/97	<50	12	<0.50	<0.50	<0.50	<0.50
	02/17/98	<2,500	23,000	<25	<25	<25	32
	05/18/98	<50	1,100	<0.50	<0.50	<0.50	<0.50
MW-9	02/15/96	96*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	100*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	110	460	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	15	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	6.5	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	130	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	93	<0.50	<0.50	<0.50	<0.50
	12/04/97[5]						
	02/17/98	56	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98[5]						

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< = Below indicated detection limit.
NA = Not Analyzed.
NS = Not Sampled.
* = Product is not typical gasoline.
[3] = Not Sampled; Well Casing Bent.
[4] = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).
[5] = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-10	02/15/96	1,500	NA	20	0.76	30	120
	05/29/96	380	NA	2.7	<0.5	2.3	5.5
	08/15/96	1,100	<5.0	6.2	0.97	9.1	25
	11/20/96	830	<5.0	5.9	1.5	4	6.4
	02/27/97	350	<5.0	4	<0.5	0.53	2
	05/30/97	1,200	<5.0	2	1.8	5.7	11
	07/30/97	980	<5.0	1.4	1.6	5.1	15
	12/04/97	25,000	<25	<2.5	16	14	61
	02/17/98	3,000	26	26	2.9	54	270
	05/18/98	210	6.2	1.4	<0.50	1.7	14
MW-13	02/15/96	230*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	24	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	12	<0.5	<0.5	<0.5	0.6
	02/27/97	220	16,000	3.5	<0.5	<0.5	<0.5
	05/30/97	300	330	<1.0	<1.0	<1.0	<1.0
	07/30/97	<50	440	<1.0	<1.0	<1.0	<1.0
	12/04/97	<100	54	<1.0	<1.0	<1.0	<1.0
	02/17/98	<2,500	20,000	<25	<25	<25	<25
	05/18/98	<50	670	<0.50	<0.50	<0.50	<0.50
MW-14	02/15/96	53,000	NA	11,000	8,900	950	9,900
	05/29/96	340,000	NA	13,000	11,000	4,700	24,000
	08/15/96	65,000	<1,300	15,000	7,500	970	10,000
	11/20/96	150,000	<1,300	15,000	6,000	3,100	14,000
	02/27/97	75,000	<1,300	4,200	5,600	2,200	11,000
	05/30/97	66,000	3,200	13,000	3,100	1,900	6,400
	07/30/97	100,000	4,800	9,200	3,700	3,000	12,000
	12/04/97	10,000	1,400	110	53	730	4,200
	02/17/98	31,000	7,100	1,900	1,400	580	5,300
	05/18/98	<1,000	15,000	61	<10	34	170
MW-15	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50

MTBE[1] = Methyl-Tertiary-Butyl Ether.
[2] = Well Destroyed.
< = Below indicated detection limit.
NA = Not Analyzed.
NS = Not Sampled.
* = Product is not typical gasoline.
[3] = Not Sampled; Well Casing Bent.
[4] = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).
[5] = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-16	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	60	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97[5]						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98[5]						
MW-17	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-18	02/15/96	110*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	62*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	97	180	<0.5	<0.5	<0.5	<0.5
	11/20/96	150	310	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	53	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	200	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	400	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	32	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	350	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	250	<0.50	<0.50	<0.50	<0.50
MW-19	02/15/96	1,400*	NA	40	37	<1.3	6.4
	05/29/96	990*	NA	<5.0	<5.0	<5.0	<5.0
	08/15/96	1,100	1,400	<2.5	<2.5	<2.5	<2.5
	11/20/96	1,000	1,600	<5.0	<5.0	<5.0	<5.0
	02/27/97	4,500	8,200	<13	<13	<13	<13
	05/30/97	<1,000	6,300	<10	<10	<10	<10
	07/30/97	<1,000	6,200	<10	<10	<10	<10
	12/04/97	<1,000	2,500	<10	<10	<10	<10
	02/17/98	<25,000	120,000	<250	<250	<250	<250
	05/18/98	<25,000	85,000	<250	<250	<250	<250

MTBE[1] = Methyl-Tertiary-Butyl Ether.
[2] = Well Destroyed.
< = Below indicated detection limit.
NA = Not Analyzed.
NS = Not Sampled.
* = Product is not typical gasoline.
[3] = Not Sampled; Well Casing Bent.
[4] = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).
[5] = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-20	02/15/96	390	NA	1.3	<0.5	13	28
	05/29/96	310	NA	2.6	1.3	11	18
	08/15/96	<50	<5.0	<0.5	<0.5	0.76	2
	11/20/96	<50	<5.0	<0.5	<0.5	0.55	1.7
	02/27/97	110	<5.0	<0.5	<0.5	2.1	1.9
	05/30/97	160	<5.0	<0.50	<0.50	3.7	5.7
	07/30/97	<50	<5.0	<0.50	<0.50	1.2	2.2
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	180	<5.0	<0.50	<0.50	3.9	4.6
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
RW-1	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	1.4	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	0.89	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97[5]						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98[5]						
RW-2	02/15/96	57	NA	7	<0.5	<0.5	1.8
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	18	17	<0.5	<0.5	4
	11/20/96	70	24	16	0.53	2	3.4
	02/27/97	<50	20	<0.5	<0.5	<0.5	<0.5
	05/30/97	4,500	300	450	76	28	510
	07/30/97	5,300	350	370	63	180	650
	12/04/97	<50	54	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	46	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	84	<0.50	<0.50	<0.50	<0.50
RW-3	02/27/95[4]						
RW-3A	02/15/96	10,000	NA	120	<13	<13	810
	05/29/96	9,900*	NA	220	65	31	1,200
	08/15/96	18,000	26,000	<50	<50	<50	<50
	11/20/96	15,000	27,000	130	24	270	1,500
	02/27/97	16,000	21,000	82	<25	100	450
	05/30/97	<5,000	11,000	78	62	90	320
	07/30/97	<5,000	20,000	120	<50	200	630
	12/04/97	<5,000	20,000	<50	<50	<50	<50
	02/17/98	3,600	10,000	<50	<50	<50	<50
	05/18/98	<5,000	17,000	66	<50	<50	150

MTBE[1] = Methyl-Tertiary-Butyl Ether.
[2] = Well Destroyed.
< = Below indicated detection limit.
NA = Not Analyzed.
NS = Not Sampled.
* = Product is not typical gasoline.
[3] = Not Sampled; Well Casing Bent.
[4] = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).
[5] = Well Not Sampled on This Date.

ENCLOSURE E

Remediation System Analytical Results

KIFF Analytical LLC

Report Number : 46672
Date : 11/3/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : Tesoro Station 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 46672

Date : 11/3/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Sample : **GW-Inf** Matrix : Water Lab Number : 46672-01

Sample Date :10/27/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**8.8**	0.90	ug/L	EPA 8260B	10/29/2005
Toluene	**< 0.90**	0.90	ug/L	EPA 8260B	10/29/2005
Ethylbenzene	**1.1**	0.90	ug/L	EPA 8260B	10/29/2005
Total Xylenes	**3.0**	0.90	ug/L	EPA 8260B	10/29/2005
Methyl-t-butyl ether (MTBE)	**170**	0.90	ug/L	EPA 8260B	10/29/2005
Diisopropyl ether (DIPE)	**< 0.90**	0.90	ug/L	EPA 8260B	10/29/2005
Ethyl-t-butyl ether (ETBE)	**< 0.90**	0.90	ug/L	EPA 8260B	10/29/2005
Tert-amyl methyl ether (TAME)	**< 0.90**	0.90	ug/L	EPA 8260B	10/29/2005
Tert-Butanol	**1700**	5.0	ug/L	EPA 8260B	10/29/2005
TPH as Gasoline	**560**	90	ug/L	EPA 8260B	10/29/2005
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	10/29/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	10/29/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 46672

Date : 11/3/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Sample : **GW-Eff** Matrix : Water Lab Number : 46672-02

Sample Date :10/27/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	10/29/2005
Tert-Butanol	**74**	5.0	ug/L	EPA 8260B	10/29/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/29/2005
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	10/29/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	10/29/2005

Approved By: Joel Kiff

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

Report Number : 46672

Date : 11/3/2005

QC Report : Method Blank Data

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	10/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	10/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/29/2005
Toluene - d8 (Surr)	107		%	EPA 8260B	10/29/2005
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	10/29/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46672

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/3/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

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	46655-04	<0.50	40.0	40.0	41.4	40.6	ug/L	EPA 8260B	10/29/05	103	102	1.84	70-130	25
Toluene	46655-04	<0.50	40.0	40.0	44.2	43.0	ug/L	EPA 8260B	10/29/05	110	107	2.77	70-130	25
Tert-Butanol	46655-04	<5.0	200	200	196	195	ug/L	EPA 8260B	10/29/05	98.2	97.4	0.786	70-130	25
Methyl-t-Butyl Ether	46655-04	2.8	40.0	40.0	36.0	35.8	ug/L	EPA 8260B	10/29/05	82.9	82.3	0.743	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 46672

QC Report : Laboratory Control Sample (LCS)

Date : 11/3/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/29/05	102	70-130
Toluene	40.0	ug/L	EPA 8260B	10/29/05	110	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/29/05	96.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/29/05	81.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 46672
Date : 11/3/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :Tesoro Station 67062
Project Number : 67062

		Sample Name	GW-Inf		GW-Eff	
		Sample Date	10/27/2005		10/27/2005	
Analyte	Method	Units	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.90	8.8	0.50	ND
Toluene	EPA 8260B	ug/L	0.90	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.90	1.1	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.90	3.0	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.90	170	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.90	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.90	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.90	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	1700	5.0	74
TPH as Gasoline	EPA 8260B	ug/L	90	560	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		107		107
4-Bromofluorobenzene (Surr)	EPA 8260B	%		106		105

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

Calscience Environmental Laboratories, Inc.

November 01, 2005

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

Subject: **Calscience Work Order No.: 05-10-1767**
Client Reference: Tesoro Station 67062

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/29/2005 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 Systems 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,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	10/29/05
2795 2nd Street, Suite 300		Work Order No:	05-10-1767
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Tesoro Station 67062			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GW-Eff	05-10-1767-1	10/27/05	Aqueous	10/31/05	10/31/05	051031L08

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	0.206	0.01	1	
Lead	ND	0.0100	1						

Method Blank	097-01-003-5,485	N/A	Aqueous	10/31/05	10/31/05	051031L08

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical		Date Received:	10/29/05
2795 2nd Street, Suite 300		Work Order No:	05-10-1767
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GW-Eff	Aqueous	ICP 3300	10/31/05	10/31/05	051031S08

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	96	97	80-120	1	0-20	
Lead	104	102	80-120	2	0-20	
Zinc	106	108	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	05-10-1767
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
1097-01-003-5,485	Aqueous	ICP 3300	10/31/05	051031-I-08	051031L08

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	0.500	0.481	96	80-120	
Lead	0.500	0.518	104	80-120	
Zinc	0.500	0.527	105	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-10-1767

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

1767

KIFF Analytical LLC

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. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

Company/Address: Kiff Analytical, LLC

Phone No.: | FAX No.:

Project Number: 67062 | P.O. No.: 46672

Project Name: Tesoro Station 67062

Project Address:

Geotracker COELT EDD REPORT? __ YES _X_ NO

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

E-mail address: inbox@kiffanalytical.com

Analysis Request

Sample Designation	Sampling Date	Sampling Time	Glass Jar	Poly	Amber	VOA	Tedlar	H_2SO_4	HNO_3	ICE	NONE	$Na_2S_2O_3$	WATER	SOIL	AIR	Pb, Cu, Zn								Date Due: November 4, 2005	For Lab Use Only
GW-Eff	10/27/05	1:00		1					X	X			X			X								X	

Relinquished by:	Date	Time	Received by:	Remarks:
Kiff Analytical	102805	1900		
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by Laboratory:	Bill to: Accounts Payable

10/29/05 @ 1015

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 10 - 1767

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Kiff Analytical DATE: 10/29/05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

2.8 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: TL

CUSTODY SEAL INTACT:

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

Initial: TL

SAMPLE CONDITION:

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

Initial: TL

COMMENTS:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 46672

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

California EDF Report? ☐ Yes ☐ No

Company / Address: RPM Environmental

Sampling Company Log Code:

Phone #: (916) 415-1134 Fax #: (916) 415-1154

Global ID:

Project #: 67062 P.O. #: 67062

EDF Deliverable To (Email Address):

Project Name: Tesoro Station 67062

Sampler Signature: [signature]

Project Address: Cotati CA

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar		Preservative: HCl	HNO_3	None			Matrix: Water	Soil	Air		MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 8010)	W.E.T. Lead (STLC)	Pb, Cu, Zn			TAT: 12 hr / 24 hr / 48 hr / 72 hr / ~~1 wk~~	For Lab Use Only
GW-Inf	10/27/05	1:02	2						X					X						X	X	X													01
GW-Eff	10/27/05	1:00	2		X				X	X				X						X	X	X										X			02

Relinquished by:	Date	Time	Received by:
[signature]	10/28/05	1540	
	102805	1550	Kiff Analytical

Remarks: STAT

Bill to: Tesoro Petroleum

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
2.6	JA	102805	1550	FR4	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 47035
Date : 11/29/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : Tesoro Station 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47035
Date : 11/29/2005

Project Name : **Tesoro Station 67062**
Project Number : **67062**

Sample : **GW-Inf** Matrix : Water Lab Number : 47035-01
Sample Date :11/20/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16**	0.50	ug/L	EPA 8260B	11/22/2005
Toluene	**0.94**	0.50	ug/L	EPA 8260B	11/22/2005
Ethylbenzene	**1.9**	0.50	ug/L	EPA 8260B	11/22/2005
Total Xylenes	**4.5**	0.50	ug/L	EPA 8260B	11/22/2005
Methyl-t-butyl ether (MTBE)	**220**	0.50	ug/L	EPA 8260B	11/22/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/22/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/22/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/22/2005
Tert-Butanol	**1900**	5.0	ug/L	EPA 8260B	11/22/2005
TPH as Gasoline	**820**	50	ug/L	EPA 8260B	11/22/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	11/22/2005
4-Bromofluorobenzene (Surr)	111		% Recovery	EPA 8260B	11/22/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 47035

Date : 11/29/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Sample : **GW-Eff** Matrix : Water Lab Number : 47035-02

Sample Date :11/20/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/21/2005
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/21/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/21/2005
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	11/21/2005
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	11/21/2005

Approved By: Joel Kiff

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

Report Number : 47035

Date : 11/29/2005

QC Report : Method Blank Data

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/21/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/21/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/21/2005
Toluene - d8 (Surr)	103		%	EPA 8260B	11/21/2005
4-Bromofluorobenzene (Surr)	99.9		%	EPA 8260B	11/21/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/22/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/22/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/22/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	11/22/2005
4-Bromofluorobenzene (Surr)	113		%	EPA 8260B	11/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47035

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/29/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

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	47013-02	<0.50	40.0	40.0	42.2	41.5	ug/L	EPA 8260B	11/21/05	106	104	1.81	70-130	25
Toluene	47013-02	<0.50	40.0	40.0	42.7	42.1	ug/L	EPA 8260B	11/21/05	107	105	1.26	70-130	25
Tert-Butanol	47013-02	<5.0	200	200	195	197	ug/L	EPA 8260B	11/21/05	97.5	98.4	0.868	70-130	25
Methyl-t-Butyl Ether	47013-02	<0.50	40.0	40.0	33.3	33.3	ug/L	EPA 8260B	11/21/05	83.4	83.2	0.191	70-130	25
Benzene	47031-19	8.0	40.0	40.0	47.0	46.1	ug/L	EPA 8260B	11/22/05	97.6	95.3	2.42	70-130	25
Toluene	47031-19	0.67	40.0	40.0	39.9	39.2	ug/L	EPA 8260B	11/22/05	98.0	96.3	1.75	70-130	25
Tert-Butanol	47031-19	<5.0	200	200	196	205	ug/L	EPA 8260B	11/22/05	98.1	102	4.41	70-130	25
Methyl-t-Butyl Ether	47031-19	<0.50	40.0	40.0	42.8	43.7	ug/L	EPA 8260B	11/22/05	107	109	2.12	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47035

QC Report : Laboratory Control Sample (LCS)

Date : 11/29/2005

Project Name : **Tesoro Station 67062**

Project Number : **67062**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	11/21/05	106	70-130
Toluene	40.0	ug/L	EPA 8260B	11/21/05	106	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/21/05	96.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/21/05	84.3	70-130
Benzene	40.0	ug/L	EPA 8260B	11/22/05	97.8	70-130
Toluene	40.0	ug/L	EPA 8260B	11/22/05	97.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/22/05	106	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	11/22/05	100	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 47035
Date : 11/29/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :Tesoro Station 67062
Project Number : 67062

		Sample Name	GW-Inf		GW-Eff	
		Sample Date	11/20/2005		11/20/2005	
Analyte	Method	Units	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	**16**	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	**0.94**	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**1.9**	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	**4.5**	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	**220**	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	**1900**	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	**820**	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		99.3		104
4-Bromofluorobenzene (Surr)	EPA 8260B	%		111		96.6

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

Calscience
Environmental
Laboratories, Inc.

November 29, 2005

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

Subject: **Calscience Work Order No.: 05-11-1404**
Client Reference: Tesoro Station 67062

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/22/2005 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 Systems 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,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	11/22/05
2795 2nd Street, Suite 300		Work Order No:	05-11-1404
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Tesoro Station 67062			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GW-Eff	**05-11-1404-1**	**11/20/05**	**Aqueous**	**11/22/05**	**11/23/05**	**051122L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	0.0167	0.0050	1		Zinc	0.0712	0.0100	1	
Lead	ND	0.0100	1						

Method Blank	097-01-003-5,568	N/A	Aqueous	11/22/05	11/22/05	051122L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 11/22/05
Work Order No: 05-11-1404
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-11-1405-1	Aqueous	ICP 3300	11/22/05	11/22/05	051122S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	96	96	80-120	0	0-20	
Lead	103	103	80-120	0	0-20	
Zinc	107	107	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	05-11-1404
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-5,568	Aqueous	ICP 3300	11/22/05	051122-I-03	051122L03

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	0.500	0.491	98	80-120	
Lead	0.500	0.525	105	80-120	
Zinc	0.500	0.536	107	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-11-1404

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

KIFF Analytical LLC

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. 1404

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

Company/Address: Kiff Analytical, LLC

Phone No.:

FAX No.:

Project Number: 67062

P.O. No.: 47035

Project Name: Tesoro Station 67062

Project Address:

Geotracker COELT EDD REPORT? __ YES _X_ NO

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

E-mail address: inbox@kiffanalytical.com

Date Due: November 30, 2005

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Glass Jar	Poly	Amber	VOA	Tedlar	H_2SO_4	HNO_3	ICE	NONE	$Na_2S_2O_3$	WATER	SOIL	AIR	Pb, Zn, Cu									For Lab Use Only
GW-Eff	11/20/05	4:00		1					X	X			X			X								X	

Relinquished by:	Date	Time	Received by:	Remarks:
Osama Abbas / Kiff Analytical	11/21/05	1900		
Relinquished by:	Date	Time	Received by:	
Relinquished by: CO	Date 11-22-05	Time 8:30	Received by Laboratory: W Coates CEL	Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 1 1 - 1 4 0 4

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL DATE: 11-22-05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.2 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 47035

Page 1 of ___

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

California EDF Report? ☐ Yes ☐ No

Company / Address: RDM Environmental

Sampling Company Log Code:

Phone #: (916) 415-1134 Fax #: (916) 415-1154

Global ID:

Project #: 67062 P.O. #: 67062

EDF Deliverable To (Email Address):

Project Name: Tesoro Station 67062

Sampler Signature: [signature]

Project Address: Cotati CA

Analysis Request

Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None	Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	Pb, Zn, Cu			TAT ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
GW-Inf	11/20/05	4:02	2					X			X					X	X	X														-01
GW-Eff	11/20/05	4:00	2		X			X	X		X					X	X	X										X				-02

Relinquished by:	Date	Time	Received by:
[signature]			
	1/2/05	1455	Received by Laboratory: Osama [signature] / Kiff Analytical

Remarks: STAT

Bill to: Tesoro Petroleum

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
11.8	OA	1/2/05	1450	IR-4	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 47556
Date : 12/28/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

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

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

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 47556
Date : 12/28/2005

Subject : 2 Water Samples
Project Name : 67062
Project Number : 67062
P.O. Number : 67062

Case Narrative

The result for Tert-Butanol for sample GW-Inf was obtained by analysis of a previously-opened vial, due to the unavailability of additional vials.

Approved By: Joe Kiff

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

KIFF Analytical LLC

Report Number : 47556
Date : 12/28/2005

Project Name : **67062**
Project Number : **67062**

Sample : **GW-Inf** Matrix : Water Lab Number : 47556-01
Sample Date :12/19/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**18**	0.50	ug/L	EPA 8260B	12/23/2005
Toluene	**0.97**	0.50	ug/L	EPA 8260B	12/23/2005
Ethylbenzene	**1.8**	0.50	ug/L	EPA 8260B	12/23/2005
Total Xylenes	**5.2**	0.50	ug/L	EPA 8260B	12/23/2005
Methyl-t-butyl ether (MTBE)	**220**	0.50	ug/L	EPA 8260B	12/23/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/23/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/23/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/23/2005
Tert-Butanol	**1800**	5.0	ug/L	EPA 8260B	12/28/2005
TPH as Gasoline	**770**	50	ug/L	EPA 8260B	12/23/2005
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	12/23/2005
4-Bromofluorobenzene (Surr)	97.3		% Recovery	EPA 8260B	12/23/2005

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 47556

Date : 12/28/2005

Project Name : **67062**

Project Number : **67062**

Sample : **GW-Eff** Matrix : Water Lab Number : 47556-02

Sample Date :12/19/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	12/28/2005
Tert-Butanol	**6.2**	5.0	ug/L	EPA 8260B	12/28/2005
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	12/28/2005
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	12/28/2005
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	12/28/2005

Approved By: Joel Kiff

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

Report Number : 47556

Date : 12/28/2005

QC Report : Method Blank Data

Project Name : **67062**

Project Number : **67062**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/23/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	12/23/2005
4-Bromofluorobenzene (Surr)	94.0		%	EPA 8260B	12/23/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/27/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2005
Toluene - d8 (Surr)	99.2		%	EPA 8260B	12/27/2005
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	12/27/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47556

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/2005

Project Name : **67062**

Project Number : **67062**

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	47549-01	<0.50	39.1	37.6	41.1	39.7	ug/L	EPA 8260B	12/23/05	105	106	0.333	70-130	25
Toluene	47549-01	<0.50	39.1	37.6	39.4	37.7	ug/L	EPA 8260B	12/23/05	101	100	0.730	70-130	25
Tert-Butanol	47549-01	<5.0	195	188	190	189	ug/L	EPA 8260B	12/23/05	97.5	101	3.20	70-130	25
Methyl-t-Butyl Ether	47549-01	<0.50	39.1	37.6	40.2	38.0	ug/L	EPA 8260B	12/23/05	103	101	1.72	70-130	25
Benzene	47572-01	<0.50	40.0	39.3	39.5	39.2	ug/L	EPA 8260B	12/28/05	98.8	99.7	0.948	70-130	25
Toluene	47572-01	<0.50	40.0	39.3	37.4	36.6	ug/L	EPA 8260B	12/28/05	93.4	93.3	0.122	70-130	25
Tert-Butanol	47572-01	<5.0	200	196	194	188	ug/L	EPA 8260B	12/28/05	96.9	95.6	1.32	70-130	25
Methyl-t-Butyl Ether	47572-01	7.6	40.0	39.3	45.9	45.2	ug/L	EPA 8260B	12/28/05	95.7	95.7	0.0113	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 47556

QC Report : Laboratory Control Sample (LCS)

Date : 12/28/2005

Project Name : **67062**

Project Number : **67062**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	12/23/05	104	70-130
Toluene	40.0	ug/L	EPA 8260B	12/23/05	99.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/23/05	98.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/23/05	102	70-130
Benzene	40.0	ug/L	EPA 8260B	12/27/05	99.1	70-130
Toluene	40.0	ug/L	EPA 8260B	12/27/05	94.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/27/05	98.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/27/05	92.9	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

KIFF Analytical LLC

Analysis Summary

Report Number : 47556

Date : 12/28/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :67062
Project Number : 67062

		Sample Name	GW-Inf		GW-Eff	
		Sample Date	12/19/2005		12/19/2005	
Analyte	Method	Units	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	**18**	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	**0.97**	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	**1.8**	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	**5.2**	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	**220**	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	**1800**	5.0	**6.2**
TPH as Gasoline	EPA 8260B	ug/L	50	**770**	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		97.8		98.7
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.3		95.7

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

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

Calscience
Environmental
Laboratories, Inc.

December 27, 2005

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

Subject: **Calscience Work Order No.: 05-12-1256**
Client Reference: 67062

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/22/2005 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 Systems 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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/22/05
Work Order No:	05-12-1256
Preparation:	EPA 3010A Total
Method:	EPA 6010B
Units:	mg/L

Project: 67062

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GW-Eff	**05-12-1256-1**	**12/19/05**	**Aqueous**	**12/22/05**	**12/22/05**	**051222L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

Method Blank	**097-01-003-5,657**	**N/A**	**Aqueous**	**12/22/05**	**12/22/05**	**051222L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/22/05
Work Order No: 05-12-1256
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GW-Eff	Aqueous	ICP 3300	12/22/05	12/22/05	051222S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	99	100	80-120	1	0-20	
Lead	104	103	80-120	1	0-20	
Zinc	103	103	80-120	0	0-20	

RPD - Relative Percent Difference . CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received:	N/A
Work Order No:	05-12-1256
Preparation:	EPA 3010A Total
Method:	EPA 6010B

Project: 67062

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-5,657	Aqueous	ICP 3300	12/22/05	051222-I-06	051222L06

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	0.500	0.503	101	80-120	
Lead	0.500	0.530	106	80-120	
Zinc	0.500	0.505	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-12-1256

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

KIFF Analytical LLC

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. 1256

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? ___ Yes _X_ No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Phone No.:

FAX No.:

Project Number: 67062

P.O. No.: 47556

Project Name: 67062

E-mail address: inbox@kiffanalytical.com

Project Address:

Date due: December 28, 2005

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Poly	Container: Amber			Preservative: HCl	Preservative: HNO3	Preservative: ICE	Preservative: NONE	Preservative: Na2S2O3	Matrix: WATER	Matrix: SOIL		Analysis Request: Cu, Zn, Pb								Date due: December 28, 2005	For Lab Use Only
GW-Eff	12/19/05	5:08		1					X	X			X			X								X	

Relinquished by:	Date	Time	Received by:
[illegible] Kiff Analytical	122105	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by: CO	Date 12-22-05	Time 8:30	Received by Laboratory: [illegible] CEL

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 0 5 - 1 2 - 1 2 5 6

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF ANALYTICAL

DATE: 12-22-05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.2 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

KIFF ANALYTICAL LLC

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

Lab No. 47556 Page ____ of ____

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Richard Munsch

California EDF Report? ☐ Yes ☐ No

Company/Address: RPM Environmental

Recommended but not mandatory to complete this section:
Sampling Company Log Code: - - -
Global ID: - - - - - - - - - - -
EDF Deliverable To (Email Address):

Phone No.: (916) 415-1134
FAX No.: (916) 415-1154
Project Number: 67062
P.O. No: 67062
Project Name:
Sampler Signature:
Project Address: Cotati CA

Sample Designation	Sampling Date	Sampling Time	Container 40 ml VOA	Container SLEEVE	Container Poly	Preservative HCl	Preservative HNO_3	Preservative ICE	Preservative NONE	Matrix WATER	Matrix SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X) W.E.T. (X) Cu, Zn, Pb				TAT 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
GW-Inf	12/19/05	5:10	2			X		X	X	X							X								X					.01
GW-Eff	12/19/05	5:08	2		1	X		X	X	X							X								X					.02

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	12/20/05	1712	Osama Abbas / Kiff Analytical

Remarks: GW system Samples

Bill to: Tesoro Petroleum / Rob Donovan

Distribution: White - Lab, Pink - Originator

Forms/coc 121001.fh9