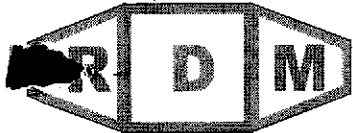


R0216



Environmental

6280 Brookshire Drive, Rocklin, CA 95677
May 4, 2005

Tel: (916) 415-1134, FAX : (916) 415-1154

Mr. Jeff Baker
Tesoro Environmental Resources Company
3450 S. 344th Way Suite 100
Auburn, WA 98001-5931

Subject: *Quarterly Ground Water Monitoring and
Remediation System Status Report, First Quarter 2005*
Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California
RDM Project No. 00-67106

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ENVIRONMENTAL HEALTH SERVICES

Dear Mr. Baker:

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

Work Performed During the First Quarter 2005:

- RDM performed ground water sampling on **February 4, 2005**.
- RDM continued operation and maintenance on the remediation system.
- An ozone system was installed on **December 4, 2004**. The ozone system is connected to monitoring wells MW-1 and MW-4. Monitoring well MW-5 was added to the ozone system during **March 2005**, and MW-8 will be added to the system during the second quarter 2005.

STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is tabulated in Table 1. A site topographic map, site map, and ground water elevation contour map are shown as Figures 1 through 3, respectively. Analytical isoconcentration maps are presented as Figures 4 through 6. 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.

- Historical ground water flow direction is to the southwest.

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of soil vapor extraction (SVE), air sparge, and ozone sparge components. The ground water extraction system was removed during the system upgrade (November 2003). The process flow diagram for the newly modified remediation system is shown as Figure 7.

Cost Effective Solutions

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **First Quarter 2005** on:
 - **January 6 and 26, 2005**
 - **February 1 and 27, 2005**
 - **March 15, 23, and 24, 2005**

Ground Water Extraction System Performance:

- The ground water treatment system was shut off on October 11, 2003.
- The former ground water treatment system processed approximately **228,500** gallons.

Soil Vapor Extraction System Performance:

- The SVE system operated continuously during the **First Quarter 2005**.
- During the **First Quarter 2005**, the SVE system removed approximately **10** pounds of vapor equivalent gasoline.
- As of **March 24, 2005**, the SVE system has removed approximately **2,995** pounds (**491** gallons) of vapor equivalent gasoline.
- Soil vapor extraction is conducted on MW-1 through MW-5, MW-8, MW-9 and vapor well VW-1.
- The SVE analytical results are included in Table 2 and the SVE performance data is included in Table 3. Remediation system analytical results are included in Enclosure E.

Air Sparging System Performance:

- The air sparge system operated continuously during the **First Quarter 2005**. The air sparge system is shut off when the SVE system is non-operational.
- The air sparging system is connected to sparge points SP-1 through SP-6.

Ozone Sparging System Performance:

- The ozone system was installed on **December 4, 2004**.
- Since system startup, the ozone system has operated continuously.
- Ozone is being injected into monitoring wells MW-1, MW-4, and MW-5.
- Valves on the SVE manifold for monitoring wells MW-1, MW-4, and MW-5 are closed to prevent ozone from leaking into the SVE system.

CONCLUSIONS/RECOMMENDATIONS

RDM recommends continued operation of the SVE, air sparge, and ozone system, and quarterly ground water monitoring.

The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are

Mr. Jeff Baker
Tesoro Petroleum
May 4, 2005
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arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

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

Mr. Scott Seery
Alameda County Health Care Agency
Department of Environmental Health
1131 Harbor Parkway, Room 250
Alameda, CA 94502-6577

Mr. John Camp
Environmental Service Division
City of San Leandro
835 East 14th Street
San Leandro, CA 94577

Case Worker
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

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

RDM ENVIRONMENTAL


Richard D. Munsch
Project Manager


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



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Enclosures:

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

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) ^a	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-1	03/12/98	33.10	11.09	22.01	<0.5	<0.5	5.0	2.8	100	<5.0	NA	No sheen
	05/28/98		11.36	21.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		12.61	20.49	<0.5	<0.5	6.4	1.4	130	<5.0	NA	No sheen
	11/19/98		13.84	19.26	0.75	<0.5	<0.5	3.0	120	<5.0	NA	No sheen
	03/15/99		11.95	21.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		13.45	19.65	1.6	1.9	230	110	5,200	<5.0	NA	No sheen
	09/07/99		13.10	20.00	1.0	<0.5	22	15	490	<5.0	NA	No sheen
	12/13/99		14.29	18.81	<2.5	<2.5	170	110	4,100	<25	NA	No sheen
	03/08/00		11.22	21.88	<0.5	<0.5	21	7.7	1,200	150	NA	No sheen
	06/12/00		12.85	20.25	1.5	0.9	160	98	3,000	34	NA	No sheen
	11/15/00		14.19	18.91	<2.0	<2.0	470	390	8,500	14,000	NA	No sheen
	02/27/01		12.35	20.75	5.4	2.6	260	190	6,100	4,300	NA	No sheen
	05/22/01		14.18	18.92	8.9	13	1,100	1,300	21,000	2,300	NA	No sheen
	09/05/01	13.70	19.10	<2.0	3.6	600	850	12,000	93	NA	No sheen	
	11/07/01	14.25	18.85	<5.0	<5.0	1,300	1,600	23,000	87	NA	No sheen	
	02/11/02	35.47	13.05	22.42	<0.5	<0.5	140	150	4,500	18	NA	No sheen
	06/03/02		13.31	22.16	<2.5	<2.5	520	460	12,000	12	NA	No sheen
	08/06/02		13.75	21.72	<0.5	<0.5	710	580	22,000	15	NA	No sheen
	11/14/02		14.10	21.37	<5.0	<5.0	300	250	16,000	8.1	ND	No sheen
	02/20/03		12.80	22.67	<1.5	<1.5	130	89	7,300	9.3	ND	No sheen
	05/15/03		12.90	22.57	<2.5	<2.5	270	120	14,000	4.7	ND	No sheen
	07/31/03		13.50	21.97	<5.0	<5.0	380	230	18,000	5.2	ND	No sheen
	10/28/03		14.42	21.05	<5.0	<5.0	340	210	17,000	<5.0	ND	No sheen
	02/28/04		12.72	22.75	<2.0	<2.0	140	48	10,000	4.8	ND	No sheen
	04/16/04		13.52	21.95	<0.5	<0.5	29	11	2,800	2.1	ND	No sheen
	07/16/04		14.04	21.43	<0.5	0.57	130	74	5,500	1.4	ND	No sheen
11/13/04	13.99		21.43	<0.70	<0.70	56	25	4,000	ND	ND	No sheen	
02/04/05	13.36		22.11	0.57	<0.5	140	58	9,700	0.75	ND	No sheen	
MW-2	03/12/98	32.80	10.92	21.88	32	1.0	12	6.5	440	20	NA	No sheen
	05/28/98		10.41	22.39	<0.5	<0.5	<0.5	<0.5	<50	27	NA	No sheen
	08/31/98		12.29	20.51	9.3	0.95	4.9	8.8	270	20	NA	No sheen
	11/19/98		13.47	19.33	16	0.72	<0.5	4.3	180	7.4	NA	No sheen
	03/15/99		11.95	20.85	12	3.5	59	840	2,400	10	NA	No sheen
	06/07/99		13.11	19.69	21	0.99	6.9	10	690	6.1	NA	No sheen
	09/07/99		12.92	19.88	7.8	1.2	42	100	610	<5.0	NA	No sheen
	12/13/99		13.96	18.84	26	0.93	52	96	3,000	<5.0	NA	No sheen
	03/08/00		10.87	21.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.53	20.27	51	17	170	320	5,500	18	NA	No sheen
	11/15/00		13.96	18.84	75	48	1,200	2,800	16,000	19,000	NA	No sheen
	02/27/01		12.29	20.51	54	24	320	870	10,000	6,000	NA	No sheen
	05/22/01		15.51	17.29	12	5.0	79	100	2,400	3,500	NA	No sheen
	09/05/01	13.75	19.05	120	180	1,500	5,100	34,000	400	NA	No sheen	
	11/07/01	13.99	18.81	87	170	1,400	3,700	32,000	870	NA	No sheen	
	02/11/02	35.11	12.98	22.13	170	250	1,600	4,700	34,000	390	NA	No sheen
	06/03/02		13.24	21.87	130	260	1,700	5,100	29,000	110	NA	No sheen
	08/06/02		13.73	21.38	110	240	1,700	4,700	34,000	84	NA	No sheen
	11/14/02		13.55	21.56	51	150	1,300	3,600	35,000	39	ND	No sheen
	02/20/03		11.80	23.31	67	130	1,100	2,800	23,000	71	ND	No sheen
	05/15/03		12.27	22.84	57	110	840	2,300	19,000	43	ND	No sheen
	07/31/03		13.46	21.65	78	210	2,000	5,000	31,000	36	ND	No sheen
	10/28/03		14.09	21.02	59	120	2,000	3,600	32,000	19	ND	No sheen
	02/28/04		12.27	22.84	21	26	520	980	10,000	35	ND	No sheen
	04/16/04		13.22	21.89	30	30	540	890	11,000	30	23°	No sheen
	07/16/04		13.76	21.35	42	36	1,200	2,300	21,000	17	ND	No sheen
11/13/04	13.79		21.35	25	27	780	1,300	14,000	9.1	ND	No sheen	
02/04/05	13.08		22.03	24	20	720	1,000	14,000	8.6	ND	No sheen	

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) ^a	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	03/12/98	32.30	10.81	21.49	0.67	<0.5	7.1	3.4	1,200	7.3	NA	No sheen	
	05/28/98		11.45	20.85	<0.5	0.5	<0.5	<0.5	350	<5.0	NA	No sheen	
	08/31/98		12.21	20.09	<0.5	0.89	0.69	<0.5	240	<5.0	NA	No sheen	
	11/19/98		13.26	19.04	5.3	0.72	0.86	4.2	440	<5.0	NA	No sheen	
	03/15/99		11.89	20.41	3.3	1.3	0.77	<0.5	410	<5.0	NA	No sheen	
	06/07/99		12.91	19.39	<0.5	2.0	<0.5	0.66	680	<5.0	NA	No sheen	
	09/07/99		12.81	19.49	<0.5	0.62	<0.5	8.7	150	12	NA	No sheen	
	12/13/99		13.75	18.55	<0.5	0.52	<0.5	1.0	830	<5.0	NA	No sheen	
	03/08/00		11.39	20.91	0.58	<0.5	0.77	<0.5	960	<5.0	NA	No sheen	
	06/12/00		12.58	19.72	1.7	<0.5	46	6.3	1,700	<5.0	NA	No sheen	
	11/15/00		13.85	18.45	<200	<200	<200	<200	<20,000	84,000	NA	No sheen	
	02/27/01		12.22	20.08	98	<20	130	30	3,500	16,000	NA	No sheen	
	05/22/01		13.66	18.64	41	<20	20	<20	<2,000	5,800	NA	No sheen	
	09/05/01		13.41	18.89	9.9	1.5	49	8.2	5,300	430	NA	No sheen	
	11/07/01		13.85	18.45	9.4	1.8	47	8.8	6,500	1,600	NA	No sheen	
	02/11/02		34.84	12.86	21.98	8.9	<2.0	14	<2.0	2,400	530	NA	No sheen
	06/03/02		13.10	21.74	13	0.77	19	0.94	2,100	110	NA	No sheen	
	08/06/02	13.52	21.32	25	2.5	12	1.1	2,800	120	NA	No sheen		
	11/14/02	13.49	21.35	29	0.89	3.7	<0.5	2,200	420	1.1 ^b , 19 ^c	No sheen		
	02/20/03	12.92	21.92	2.5	<0.5	<0.5	<0.5	2,400	340	13 ^c	No sheen		
	05/15/03	12.83	22.01	2.0	<0.5	1.2	<0.5	2,100	200	0.85 ^b , 15 ^c	No sheen		
	07/31/03	13.44	21.40	1.2	<0.5	<0.5	<0.5	1,600	330	0.81 ^b , 15 ^c	No sheen		
	10/28/03	13.92	20.92	1.0	<0.5	<0.5	<0.5	1,600	160	7.1 ^c	No sheen		
	02/28/04	12.50	22.34	1.2	<0.5	0.74	<0.5	1,400	58	74 ^c	No sheen		
	04/16/04	13.07	21.77	1.2	<0.5	<0.5	<0.5	1,400	45	95 ^c	No sheen		
	07/16/04	13.62	21.22	6.1	1.1	<0.5	0.83	1,900	43	21 ^c	No sheen		
11/13/04	13.70	21.22	4.7	0.79	<0.5	<0.5	1,300	30	82 ^c	No sheen			
02/04/05	12.94	21.90	0.79	<0.5	<0.5	<0.5	1,300	10	12 ^c	No sheen			
MW-4	03/12/98	32.90	11.31	21.59	2,200	1,500	630	3,000	14,000	440	NA	No sheen	
	05/28/98		10.40	22.50	<0.5	0.75	0.68	6.9	67	26	NA	No sheen	
	08/31/98		12.54	20.36	1.8	2.5	0.65	3.4	<50	<5.0	NA	No sheen	
	11/19/98		13.99	18.91	<0.5	<0.5	<0.5	0.61	<50	17	NA	No sheen	
	03/15/99		12.06	20.84	1.2	1.6	0.76	4.5	160	9.3	NA	No sheen	
	06/07/99		13.57	19.33	210	370	350	2,000	5,800	<20	NA	No sheen	
	09/07/99		10.30	22.60	2.2	2.8	4.8	25	130	12	NA	No sheen	
	12/13/99		14.18	18.72	1.3	1.0	1.2	4.8	<50	12	NA	No sheen	
	03/08/00		11.77	21.13	78	200	160	750	3,700	11	NA	No sheen	
	06/12/00		13.47	19.43	<0.5	<0.5	<0.5	<0.5	<50	24	NA	No sheen	
	11/15/00		14.33	18.57	12	38	28	130	710	1,300	NA	No sheen	
	02/27/01		14.25	18.65	67	300	310	1,400	6,500	1,000	NA	No sheen	
	05/22/01		13.99	18.91	2.1	5.6	4.8	20	130	350	NA	No sheen	
	09/05/01		15.75	17.15	110	670	250	1,300	6,200	600	NA	No sheen	
	11/07/01		16.10	16.80	40	270	180	940	4,100	110	NA	No sheen	
	02/11/02		35.33	15.04	20.29	91	590	620	3,000	14,000	350	NA	No sheen
	06/03/02		13.61	21.72	69	390	190	1,100	4,300	240	NA	No sheen	
	08/06/02	15.01	20.32	100	690	570	2,900	13,000	170	NA	No sheen		
	11/14/02	13.98	21.35	65	380	550	3,400	20,000	130	ND	No sheen		
	02/20/03	13.33	22.00	57	240	650	3,700	18,000	98	ND	No sheen		
	05/15/03	13.29	22.04	44	100	200	1,200	8,500	120	21 ^c	No sheen		
	07/31/03	13.76	21.57	42	59	250	1,400	11,000	87	ND	No sheen		
	10/28/03	14.48	20.85	80	40	130	650	8,100	130	20 ^c	No sheen		
	02/28/04	12.96	22.37	85	430	570	3,700	17,000	67	ND	No sheen		
	04/16/04	13.57	21.76	72	420	570	3,800	19,000	60	ND	No sheen		
	07/16/04	14.16	21.17	46	330	360	2,200	10,000	58	28 ^c	No sheen		
11/13/04	14.34	21.17	50	240	360	2,200	9,400	22	ND	No sheen			
02/04/05	13.56	21.77	14	160	170	1,100	4,800	7.9	ND	No sheen			

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) ^a	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-5	03/12/98	32.70	11.11	21.59	2,600	160	470	2,200	12,000	<250	NA	No sheen
	05/28/98		10.92	21.78	480	99	160	730	4,700	<250	NA	No sheen
	08/31/98		12.79	19.91	200	14	55	220	1,400	180	NA	No sheen
	11/19/98		13.39	19.31	1.4	<0.5	<0.5	<0.5	<50	39	NA	No sheen
	03/15/99		11.71	20.99	320	17	290	780	3,400	33	NA	No sheen
	06/07/99		13.26	19.44	220	8.9	240	290	3,200	<25	NA	No sheen
	09/07/99		9.70	23.00	8.5	<0.5	8.5	12	140	38	NA	No sheen
	12/13/99		14.06	18.64	<0.5	<0.5	<0.5	13	140	<5.0	NA	No sheen
	03/08/00		11.80	20.90	0.66	<0.5	2.5	30	280	<5.0	NA	No sheen
	06/12/00		12.99	19.71	22	1.2	79	170	2,700	6.4	NA	No sheen
	11/15/00		14.23	18.47	36	1.6	180	180	4,500	10	NA	No sheen
	02/27/01		12.66	20.04	33	1.6	160	220	2,800	110	NA	No sheen
	05/22/01		13.58	19.12	49	2.2	180	230	3,200	240	NA	No sheen
	09/05/01	14.05	18.65	28	1.0	100	100	2,400	560	NA	No sheen	
	11/07/01	14.32	18.38	<2.0	<2.0	2.1	20	390	590	NA	No sheen	
	02/11/02	35.09	13.31	21.78	19	<5.0	59	52	1,200	1,800	NA	No sheen
	06/03/02	13.55	21.54	44	<2.0	150	210	3,200	610	NA	No sheen	
	08/06/02	14.10	20.99	42	<2.0	140	150	3,200	820	NA	No sheen	
	11/14/02	14.03	21.06	29	1.3	94	100	2,900	560	100 ^c	NA	No sheen
	02/20/03	13.35	21.74	22	<1.0	81	77	2,900	270	170 ^c	NA	No sheen
	05/15/03	13.11	21.98	55	1.8	94	85	3,700	220	0.64 ^b , 170 ^c	180 ^c	No sheen
	07/31/03	13.88	21.21	45	1.1	26	19	2,400	200	180 ^c	180 ^c	No sheen
	10/28/03	14.41	20.68	6.8	<0.5	4.4	1.1	570	77	8.0 ^c	8.0 ^c	No sheen
	02/28/04	12.89	22.20	37	1.4	130	120	3,400	72	32 ^c	32 ^c	No sheen
	04/16/04	13.41	21.68	26	0.73	45	53	2,400	81	130 ^c	130 ^c	No sheen
	07/16/04	13.92	21.17	24	0.85	36	20	2,100	71	46 ^c	46 ^c	No sheen
	11/13/04	14.35	21.17	19	0.55	37	17	1,600	38	59 ^c	59 ^c	No sheen
02/04/05	13.48	21.61	40	1.40	120	80	4,500	32	43 ^c	43 ^c	No sheen	
MW-6	03/12/98	30.40	10.49	19.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.58	19.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		10.85	19.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		10.88	19.52	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.83	19.57	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		11.01	19.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		11.89	18.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.09	18.31	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.02	20.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		11.07	19.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		12.34	18.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/27/01		10.75	19.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	05/22/01		11.55	18.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	09/05/01	12.10	18.30	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen	
	11/07/01	12.31	18.09	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen	
	02/11/02	32.74	11.05	21.69	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	06/03/02	11.70	21.40	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen	
	08/06/02	12.28	20.46	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen	
	11/14/02	12.46	20.28	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	02/20/03	11.26	21.48	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	05/15/03	11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	07/31/03	11.73	21.01	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	10/28/03	12.38	20.36	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	02/28/04	11.88	20.86	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	04/16/04	11.85	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	07/16/04	12.84	19.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
	11/13/04	12.13	19.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen	
02/04/05	11.14	21.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen		

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) ^a	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	03/12/98	31.20	10.14	21.06	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	05/28/98		10.93	20.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		12.01	19.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		12.54	18.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/15/99		10.94	20.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/07/99		12.05	19.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	09/07/99		12.67	18.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	12/13/99		12.73	18.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	03/08/00		10.90	20.30	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.61	18.59	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/15/00		13.06	18.14	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	02/27/01		11.85	19.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	05/22/01		12.31	18.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	09/05/01		12.85	18.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen
	11/07/01	12.75	18.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No sheen	
	02/11/02	33.64	NM	NC	NS	NS	NS	NS	NS	NS	NS	
	06/03/02	12.58	21.06	<0.5	<0.5	<0.5	<0.5	<50	0.95	NA	NA	No sheen
	08/06/02	12.93	20.71	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	No sheen
	11/14/02	13.04	20.60	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen
	02/20/03	12.75	20.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen
	05/15/03	12.45	21.19	<0.5	<0.5	<0.5	<0.5	<50	0.69	ND	ND	No sheen
	07/31/03	12.80	20.84	<0.5	<0.5	<0.5	<0.5	<50	0.65	ND	ND	No sheen
	10/28/03	NM	NC	NS	NS	NS	NS	NS	NS	NS	NS	No sheen
	02/28/04	12.21	21.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen
	04/16/04	12.26	21.38	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen
	07/16/04	12.85	20.79	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen
11/13/04	13.01	20.79	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen	
02/04/05	12.57	21.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	ND	No sheen	
MW-8	03/12/98	33.80	11.81	21.99	1.4	<0.5	<0.5	<0.5	72	<5.0	NA	No sheen
	05/28/98		12.14	21.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	08/31/98		13.16	20.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	11/19/98		14.56	19.24	510	24	1,200	2,800	14,000	<5.0	NA	No sheen
	03/15/99		12.40	21.40	160	16	910	2,100	14,000	<50	NA	No sheen
	06/07/99		14.06	19.74	330	14	470	880	7,800	<50	NA	No sheen
	09/07/99		14.01	19.79	150	2.6	260	370	3,200	<5.0	NA	No sheen
	12/13/99		14.91	18.89	35	<5.0	280	730	6,700	<50	NA	No sheen
	03/08/00		11.85	21.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		13.59	20.21	4.0	<0.5	4.9	2.1	140	<5.0	NA	No sheen
	11/15/00		14.94	18.86	2.0	<0.5	3.1	2.6	100	110	NA	No sheen
	02/27/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	05/22/01		NM	NC	NS	NS	NS	NS	NS	NS	NA	Tank Over Well
	09/05/01		14.68	19.12	160	<2.0	200	330	4,800	850	NA	No sheen
	11/07/01	15.10	18.70	1.1	<1.0	2.0	6.1	<100	590	NA	No sheen	
	02/11/02	36.08	14.06	22.02	7.9	<5.0	16	22	<500	1,700	NA	No sheen
	06/03/02	14.25	21.83	20.0	<2.0	19	35	550	650	NA	No sheen	
	08/06/02	14.55	21.53	220	<2.0	170	280	4,800	1,000	NA	No sheen	
	11/14/02	14.73	21.35	250	<2.5	160	220	4,800	1,200	47°	No sheen	
	02/20/03	13.81	22.27	17	<1.0	19	42	760	520	16°	No sheen	
	05/15/03	13.68	22.40	14	<0.5	16	23	690	370	0.79 ^b , 10°	No sheen	
	07/31/03	14.54	21.54	29	<1.0	15	18	700	380	36°	No sheen	
	10/28/03	15.09	20.99	87	<1.0	34	40	2,000	490	130°	No sheen	
	02/28/04	13.45	22.63	21	<0.5	15	49	1,100	200	110°	No sheen	
	04/16/04	14.19	21.89	57	<0.5	52	75	2,900	300	140°	No sheen	
	07/16/04	14.76	21.32	32	<0.5	34	51	2,000	92	67°	No sheen	
11/13/04	14.91	21.32	30	0.64	84	92	4,100	61	76°	No sheen		
02/04/05	14.09	21.99	27	<0.5	65	92	2,700	56	38°	No sheen		

TABLE 1

GROUND WATER MONITORING DATA

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft) ^a	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	03/12/98	32.56	10.93	21.63	320	23	180	720	3,700	190	NA	No sheen
	05/28/98		11.31	21.25	110	6.4	87	300	2,200	220	NA	No sheen
	08/31/98		12.16	20.40	240	23	690	1,900	11,000	<50	NA	No sheen
	11/19/98		11.04	21.52	7.7	<0.5	10	22	280	67	NA	No sheen
	03/15/99		11.81	20.75	<0.5	<0.5	<0.5	1.2	<50	<5.0	NA	No sheen
	06/07/99		12.21	20.35	9.3	0.86	9.7	12	340	<5.0	NA	No sheen
	09/07/99		10.10	22.46	0.76	<0.5	1.9	0.8	72	9.9	NA	No sheen
	12/13/99		13.64	18.92	<0.5	<0.5	<0.5	<0.5	60	<5.0	NA	No sheen
	03/08/00		10.88	21.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No sheen
	06/12/00		12.50	20.06	0.9	<0.5	2.7	1.3	640	10	NA	No sheen
	11/15/00		13.60	18.96	<0.5	<0.5	0.69	<0.5	200	12	NA	No sheen
	02/27/01		12.15	20.41	0.61	<0.5	2.2	1.2	360	42	NA	No sheen
	05/22/01		13.20	19.36	0.57	<0.5	2.1	0.61	330	290	NA	No sheen
	09/05/01		13.10	19.46	<2.0	<2.0	<2.0	<2.0	<200	1,100	NA	No sheen
	11/07/01		13.85	18.71	1.0	<1.0	<1.0	<1.0	230	510	NA	No sheen
	02/11/02	34.63	12.98	21.65	<0.5	<0.5	<0.5	<0.5	<50	41	NA	No sheen
	06/03/02		12.48	22.15	<0.5	<0.5	<0.5	<0.5	<50	55	NA	No sheen
	08/06/02		13.16	21.47	<0.5	<0.5	<0.5	<0.5	<50	65	NA	No sheen
	11/14/02		13.15	21.48	<0.5	<0.5	<0.5	<0.5	<50	47	ND	No sheen
	02/20/03		12.46	22.17	<0.5	<0.5	<0.5	<0.5	<50	28	ND	No sheen
	05/15/03		12.26	22.37	<0.5	<0.5	<0.5	<0.5	<50	8.9	ND	No sheen
	07/31/03		12.94	21.69	<0.5	<0.5	<0.5	<0.5	<50	0.85	ND	No sheen
	10/28/03		13.83	20.80	<0.5	<0.5	<0.5	<0.5	<50	0.76	ND	No sheen
	02/28/04		12.59	22.04	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
	04/16/04		13.04	21.59	<0.5	<0.5	<0.5	<0.5	53	<0.5	ND	No sheen
	07/16/04		13.52	21.11	<0.5	<0.5	<0.5	<0.5	56	<0.5	ND	No sheen
	11/13/04		13.68	21.11	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No sheen
02/04/05	13.04	21.59	<0.5	<0.5	<0.5	<0.5	90	<0.5	ND	No sheen		

a =Referenced to mean sea level.

b =tert-amyl methyl ether

c = tert-butanol

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

Oxygenates = methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, tert-butanol, 1,2-dichloroethane, 1,2-dibromoethane

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl- benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	06/05/97	3.2	0.72	1.2	2.5	220	NA
Effluent	06/05/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/03/97	0.30	0.67	0.23	1.8	86	NA
Effluent	07/03/97	<0.05	0.054	<0.05	0.13	<5.0	NA
Influent	07/22/97	0.76	1.6	0.92	5.3	270	NA
Effluent	07/22/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/07/97	2.0	1.3	0.53	2.7	130	NA
Effluent	08/07/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	09/04/97	1.8	0.73	1.3	5.9	190	NA
Effluent	09/04/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/24/97	0.49	0.52	0.35	2.3	54	NA
Effluent	10/24/97	<0.05	<0.05	<0.05	0.057	<5.0	NA
Effluent	11/26/97	0.094	0.089	<0.05	0.062	5.3	NA
Influent	12/10/97	<0.05	0.44	0.076	0.37	5.8	NA
Effluent	12/10/97	<0.05	0.062	<0.05	<0.05	<5.0	NA
Influent	12/12/97	0.59	0.17	0.49	2.0	26	NA
Effluent	12/12/97	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/23/98	0.18	0.32	0.072	0.47	18	NA
Mid-Carbon	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/07/98	0.067	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/21/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/11/98	<0.05	0.06	<0.05	0.071	<5.0	NA
Mid-Carbon	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/10/98	0.16	0.46	0.062	0.20	16	NA
Mid-Carbon	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	09/23/98	0.16	0.32	<0.05	0.20	9.4	NA
Mid-Carbon	09/23/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/20/98	0.63	0.19	0.062	0.17	28	NA
Mid-Carbon	10/20/98	0.79	0.37	<0.05	0.088	48	NA
Effluent	10/20/98	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/26/97	0.13	0.43	0.072	0.35	9.2	NA
Influent	12/08/99	0.73	2.2	0.15	0.71	43	NA
Mid-Carbon	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/13/99	0.068	0.057	<0.05	0.095	6.5	NA
Mid-Carbon	01/13/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/13/99	<0.05	<0.05	<0.05	<0.05	5.4	NA
Effluent	01/28/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/10/99	1.1	1.2	0.071	0.28	56	NA
Mid-Carbon	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/10/99	0.070	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	03/10/99	0.069	<0.05	<0.05	<0.05	28	NA
Effluent	03/10/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/07/99	0.22	0.078	<0.05	0.060	17	NA
Influent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/12/99	0.16	0.77	<0.05	0.18	11	NA
Mid-Carbon	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/09/99	0.092	1.0	0.20	0.94	12	NA
Mid-Carbon	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl- benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/07/99	0.069	0.41	0.07	0.38	16	NA
Mid-Carbon	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	10/12/99	0.96	8.6	1.1	4.7	150	NA
Mid-Carbon	10/12/99	<0.05	<0.05	<0.05	0.064	<5.0	NA
Effluent	10/12/99	<0.05	<0.05	<0.05	0.063	<5.0	NA
Influent	11/17/99	0.22	1.9	0.32	1.7	21	NA
Mid-Carbon	11/17/99	0.067	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/17/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/28/99	1.2	22	2.4	12	570	NA
Mid-Carbon	12/28/99	0.052	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/28/99	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/12/00	0.45	1.7	0.18	1.0	110	NA
Mid-Carbon	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/26/00	0.059	0.77	0.19	1.1	14	NA
Mid-Carbon	01/26/00	0.20	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/26/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/06/00	0.095	1.4	0.18	0.87	22	NA
Mid-Carbon	02/06/00	0.20	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/06/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/09/00	0.45	3.1	0.52	2.8	59	NA
Mid-Carbon	02/09/00	0.18	<0.05	<0.05	<0.05	<5.0	NA
Effluent	02/09/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/16/00	0.10	3.5	0.54	4.1	46	NA
Mid-Carbon	03/16/00	0.83	0.31	<0.05	<0.05	22	NA
Effluent	03/16/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/04/00	0.17	1.9	0.29	2.0	23	NA
Mid	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	05/12/00	<0.05	0.059	<0.05	0.091	<5.0	NA
Mid	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	06/19/00	<0.05	0.12	<0.05	<0.05	<5.0	NA
Mid	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/25/00	2.4	8.1	0.80	3.5	140	NA
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	07/25/00	2.4	8.1	0.80	3.5	140	NA
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	08/09/00	2.4	8.1	0.80	3.5	140	NA
Mid	08/09/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	08/09/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	09/06/00	2.4	8.1	0.80	3.5	140	NA
Mid	09/06/00	<0.050	0.07	<0.050	<0.050	12	NA
Effluent	09/06/00	<0.05	<0.05	<0.05	<0.05	5.4	NA
Influent	10/17/00	<0.05	0.075	<0.05	0.14	<5.0	NA
Mid	10/17/00	<0.050	0.07	<0.050	<0.050	<5.0	NA
Effluent	10/17/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/00	<0.05	0.24	0.08	0.29	<5.0	NA
Mid	11/29/00	<0.05	0.07	<0.05	0.18	<5.0	NA
Effluent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0	NA
Mid	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/07/01	0.12	0.85	0.16	0.92	17	NA
Mid	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/23/01	0.19	1.6	0.19	1.1	32	NA
Mid	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0	NA
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/01/01	0.97	1.2	0.13	0.64	18	NA
Mid	03/01/01	<0.05	0.053	<0.05	<0.098	<5.0	NA
Effluent	03/01/01	<0.05	0.053	<0.05	0.13	<5.0	NA

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SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl- benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	10/17/2000	<0.05	0.075	<0.05	0.14	<5.0	NA
Mid-Carbon	10/17/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	10/17/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/29/2000	<0.05	0.24	0.08	0.29	<5.0	NA
Mid-Carbon	11/29/2000	<0.05	0.07	<0.05	0.18	<5.0	NA
Effluent	11/29/2000	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0	NA
Mid-Carbon	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/07/01	0.12	0.85	0.16	0.92	17	NA
Mid-Carbon	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/23/01	0.19	1.6	0.19	1.1	32	NA
Mid-Carbon	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0	NA
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/01/01	0.97	1.2	0.13	0.64	18	NA
Mid-Carbon	03/01/01	<0.05	0.053	<0.05	0.098	<5.0	NA
Effluent	03/01/01	<0.05	0.11	<0.05	0.13	<5.0	NA
Influent	04/18/01	0.1	0.63	0.12	0.56	18	NA
Mid-Carbon	04/18/01	<0.05	<0.05	<0.05	0.078	<5.0	NA
Effluent	04/18/01	<0.05	<0.05	<0.05	0.11	<5.0	NA
Influent	05/21/01	0.088	1.0	0.31	1.5	20	NA
Mid-Carbon	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/05/01	0.15	1.5	0.36	1.6	24	NA
Mid-Carbon	06/05/01	<0.05	0.053	<0.05	0.098	9.1	NA
Effluent	06/05/01	<0.05	<0.05	<0.05	<0.05	5.6	NA
Influent	07/16/01	<0.05	0.11	<0.05	0.14	<5.0	NA
Mid-Carbon	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/24/01	0.15	1.1	0.16	0.71	19	NA
Mid-Carbon	08/24/01	<0.05	0.055	<0.05	<0.05	<5.0	NA
Effluent	08/24/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA

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SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	09/06/01	0.28	1.8	0.38	1.6	37	NA
Mid-Carbon	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	11/23/01	0.11	0.17	<0.05	0.10	<5.0	NA
Mid-Carbon	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	12/13/01	0.076	0.16	<0.05	0.063	<5.0	NA
Mid-Carbon	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	01/29/02	<0.05	0.12	<0.05	0.067	<5.0	NA
Mid-Carbon	01/29/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/29/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	03/20/02	0.054	0.12	<0.05	<0.05	<5.0	NA
Mid-Carbon	03/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	03/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	04/18/02	<0.05	0.076	<0.05	0.092	<5.0	0.16
Mid-Carbon	04/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	2.1
Effluent	04/18/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.32
Influent	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	05/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	06/13/02	<0.05	0.07	<0.05	<0.05	<5.0	NA
Mid-Carbon	06/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	06/13/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid-Carbon	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	07/22/02	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.2
Mid-Carbon	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.94
Effluent	08/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	1.5
Influent	09/23/02	<0.05	0.19	<0.05	0.12	<5.0	1.2
Mid-Carbon	09/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	1.9
Effluent	09/23/02	<0.05	<0.05	<0.05	<0.05	<5.0	2.0

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SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	10/21/02	<0.05	0.46	0.068	0.33	7.3	0.93
Mid-Carbon	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	10/21/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	11/24/02	0.064	0.8	0.11	0.56	12	2.3
Mid-Carbon	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Effluent	11/24/02	<0.05	<0.05	<0.05	<0.05	<5.0	<0.1
Influent	12/20/02	0.18	2.6	0.34	1.4	27	4.7
Mid-Carbon	12/20/02	<0.05	<0.05	<0.05	<0.05	<5.0	0.63
Effluent	12/20/02	<0.05	0.13	<0.05	0.052	<5.0	0.24
Influent	01/29/03	<0.05	0.11	<0.05	0.071	<5.0	NA
Mid-Carbon	01/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent	01/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent	02/20/03	<0.05	0.19	<0.05	0.17	<5.0	0.61
Mid-Carbon	02/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	02/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	03/20/03	<0.05	0.12	<0.05	0.11	<5.0	0.59
Mid-Carbon	03/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	03/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	04/22/03	<0.05	0.15	0.067	0.44	5.6	1.1
Mid-Carbon	04/22/03	<0.05	<0.05	<0.05	<0.05	<5.0	1.6
Effluent	04/22/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.91
Influent	05/29/03	<0.05	0.094	<0.05	0.084	<5.0	0.96
Mid-Carbon	05/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	3.3
Effluent	05/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.85
Influent	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	2.2
Mid-Carbon	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.55
Effluent	06/10/03	<0.05	<0.05	<0.05	<0.05	<5.0	0.50
Influent	07/21/03	<0.05	0.077	<0.05	<0.05	<5.0	3.2
Mid-Carbon	07/21/03	0.064	<0.05	<0.05	<0.05	<5.0	1.2
Effluent	07/21/03	<0.05	<0.05	<0.05	<0.05	<5.0	2.0
Influent	08/20/03	0.18	1.0	0.095	0.58	23	2.3
Mid-Carbon	08/20/03	0.058	<0.05	<0.05	<0.05	<5.0	1.9
Effluent	08/20/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	11/26/03	0.86	9.5	1.2	5.4	210	4.9
Mid-Carbon	11/26/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	11/26/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10

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SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
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 1088 Marina Boulevard
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Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	12/29/03	0.21	4.1	0.68	4.1	69	<0.05
Mid-Carbon	12/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	12/29/03	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	01/28/04	0.13	1.7	0.31	1.4	29	<0.10
Mid-Carbon	01/28/04	<0.05	0.078	<0.05	0.36	<5.0	<0.10
Effluent	01/28/04	<0.05	0.092	0.061	0.49	<5.0	<0.10
Influent	02/29/04	0.12	0.91	0.29	2.0	24	<0.10
Mid-Carbon	02/29/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent	02/29/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent	03/15/04	0.13	0.72	0.15	0.88	15	<0.05
Mid-Carbon	03/15/04	<0.05	<0.05	<0.05	0.056	<5.0	<0.05
Effluent	03/15/04	<0.05	<0.05	<0.05	0.38	<5.0	<0.05
Influent	05/26/04	0.13	0.88	0.24	1.3	19	<0.05
Mid-Carbon	05/26/04	<0.05	<0.05	<0.05	0.15	<5.0	<0.05
Effluent	05/26/04	<0.05	0.07	0.066	0.51	7.2	<0.05
Influent	06/30/04	0.15	0.83	0.30	1.7	33	<0.05
Mid-Carbon	06/30/04	<0.05	<0.05	<0.05	<0.05	16	<0.05
Effluent	06/30/04	<0.05	<0.05	<0.05	<0.05	5.2	<0.05
Influent	08/30/04	<0.05	0.05	<0.05	0.14	<5.0	<0.05
Mid-Carbon	08/30/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	08/30/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	09/19/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	09/19/04	<0.05	<0.05	<0.05	<0.05	6.2*	<0.05
Effluent	09/19/04	<0.05	<0.05	<0.05	<0.05	5.6*	<0.05
Influent	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	10/28/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	11/23/04	<0.05	0.056	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	11/23/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	11/23/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	12/26/04	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	01/26/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05

TABLE 2

SVE SYSTEM ANALYTICAL RESULTS

Tesoro Station No. 67106
 Former Beacon Station No. 3720
 1088 Marina Boulevard
 San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl- benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	02/27/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Influent	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Mid-Carbon	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05
Effluent	03/24/05	<0.05	<0.05	<0.05	<0.05	<5.0	<0.05

TPH = Total petroleum hydrocarbons.

MTBE = methyl -t-butyl ether

mg/L = Micrograms per liter.

ppmv = parts per million by volume.

* = It was determined the tedlar bag manufacture had produced and shipped contaminated bags.

**TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS**

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent Flow Rate	Effluent Flow Rate	TPH Influent	TPH Effluent	Benzene Influent	Benzene Effluent	TPH Removal (%)	Benzene Removal (%)	TPH Extraction Rate	TPH Mass Emission	Benzene Extraction Rate	Benzene Emission Rate	FID or LAB	Cumulative TPH Extraction	Cumulative TPH Extraction	Total Hours	Change in hours of operation
	(ft ³ /min)	(ft ³ /min)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(%)	(%)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)		(lbs)	(gallons)		
08/18/98	---	---	---	---	---	---	---	---	---	---	---	---	---	1,715	---	---	---
09/10/98	98	98	16	<5.0	0.16	<0.05	NC	NC	0.50	<0.16	0.005	<0.002	LAB	1,721	282	2,587	552
09/23/98	98	98	9.4	<5.0	0.16	<0.05	NC	NC	0.29	<0.16	0.005	<0.002	LAB	1,726	283	2,907	320
10/20/98	59	59	28	<5.0	0.63	<0.05	NC	NC	0.53	<0.09	0.012	<0.001	LAB	1,727	283	2,962	55
12/08/98	49	49	43	<5.0	0.73	<0.05	NC	NC	0.67	<0.08	0.011	<0.001	LAB	1,727	283	3,803	0*
01/13/99	49	49	6.5	5.4	0.068	<0.05	16.9	NC	0.10	0.08	0.001	<0.001	LAB	1,738	285	4,495	692
02/10/99	44	44	56	<5.0	1.1	<0.05	NC	NC	0.79	<0.07	0.016	<0.001	LAB	1,738	285	4,496	1
03/10/99	15	15	<5.0	<5.0	0.07	<0.05	NC	NC	<0.02	<0.02	0.001	<0.001	LAB	1,750	287	5,172	676
06/08/99	35	35	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.06	<0.06	<0.001	<0.001	LAB	1,750	287	5,173	1
07/12/99	39	39	11	<5.0	0.16	<0.05	NC	NC	0.14	<0.06	0.002	<0.001	LAB	1,753	287	5,982	809
08/04/99	39	39	12	<5.0	0.092	<0.05	NC	NC	0.15	<0.06	0.001	<0.001	LAB	1,756	288	6,534	552
09/07/99	39	39	16	<5.0	0.069	<0.05	NC	NC	0.20	<0.06	0.001	<0.001	LAB	1,762	289	7,351	817
10/12/99	54	54	150	<5.0	0.96	<0.05	NC	NC	2.59	<0.09	0.015	<0.001	LAB	1,772	290	7,998	167**
11/17/99	49	49	21	<5.0	0.22	<0.05	NC	NC	0.33	<0.08	0.003	<0.001	LAB	1,825	299	8,866	868
12/28/00	49	49	570	<5.0	1.2	<0.05	NC	NC	8.96	<0.08	0.017	<0.001	LAB	1,825	299	8,867	1
01/12/00	79	79	110	<5.0	0.45	<0.05	NC	NC	2.77	<0.13	0.010	<0.001	LAB	1,907	313	9,202	335
01/26/00	79	79	14	<5.0	0.059	<0.05	NC	NC	0.35	<0.13	0.001	<0.001	LAB	1,929	316	9,540	338
02/09/00	79	79	59	<5.0	0.45	<0.05	NC	NC	1.48	<0.13	0.010	<0.001	LAB	1,933	317	9,662	122
03/16/00	79	79	46	<5.0	0.1	<0.05	NC	NC	1.16	<0.13	0.002	<0.001	LAB	1,981	325	10,525	863
04/04/00	41	41	23	<5.0	0.17	<0.05	NC	NC	0.30	<0.07	0.002	<0.001	LAB	1,981	325	10,526	2
05/12/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.07	<0.07	<0.001	<0.001	LAB	1,986	326	11,164	638
06/19/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.07	<0.07	<0.001	<0.001	LAB	1,988	326	12,071	907
07/11/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.07	<0.07	<0.001	<0.001	LAB	1,990	326	12,601	530
07/25/00	41	41	140	<5.4	2.4	<0.05	96.1	NC	1.85	0.07	0.029	<0.001	LAB	2,003	328	12,937	336
08/09/00	41	41	2200	<5.0	25	<0.05	NC	NC	29.05	<0.07	0.299	<0.001	LAB	2,004	329	12,938	1
09/06/00	41	41	6.8	<5.0	<0.05	<0.05	NC	NC	0.09	<0.07	<0.001	<0.001	LAB	2,409	395	13,606	668

**TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS**

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent	Effluent	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH	TPH	Benzene	Benzene	FID or LAB	Cumulative	Cumulative	Total Hours	Change in hours of operation
	Flow Rate (ft ³ /min)	Flow Rate (ft ³ /min)							Extraction Rate (lbs/day)	Mass Emission (lbs/day)	Extraction Rate (lbs/day)	Emission Rate (lbs/day)		TPH (lbs)	TPH Extraction (gallons)		
10/17/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,411	395	14,054	448
11/29/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,414	396	15,062	1,008
12/07/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,414	396	15,328	266
01/19/01	87	87	17.0	<5.0	0.12	<0.05	NC	NC	0.47	< 0.14	0.003	< 0.001	LAB	2,425	397	16,259	931
02/23/01	67	67	32.0	<5.0	0.19	<0.05	NC	NC	0.69	< 0.11	0.004	< 0.001	LAB	2,445	401	17,096	837
03/01/01	60	60	18.0	<5.0	0.097	<0.05	NC	NC	0.35	< 0.10	0.002	< 0.001	LAB	2,448	401	17,247	151
04/18/01	62	62	18.0	<5.0	0.1	<0.05	NC	NC	0.36	< 0.10	0.002	< 0.001	LAB	2,465	404	18,396	1,149
05/21/01	65	65	20.0	<5.0	0.088	<0.05	NC	NC	0.42	< 0.10	0.002	< 0.001	LAB	2,477	406	19,160	764
06/05/01	78	78	24.0	<5.0	0.15	<0.05	NC	NC	0.60	< 0.12	0.003	< 0.001	LAB	2,485	407	19,514	354
07/16/01	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	2,494	409	20,157	643
08/24/01	45	45	19.0	<5.0	0.15	<0.05	NC	NC	0.27	< 0.07	0.002	< 0.001	LAB	2,500	410	21,098	941
09/06/01	50	50	37.0	<5.0	0.28	<0.05	NC	NC	0.59	< 0.08	0.004	< 0.001	LAB	2,506	411	21,406	308
11/23/01	60	60	<5.0	<5.0	0.11	<0.05	NC	NC	< 0.10	< 0.10	0.002	< 0.001	LAB	2,518	413	22,246	840
12/13/01	65	65	<5.0	<5.0	0.076	<0.05	NC	NC	< 0.10	< 0.10	0.001	< 0.001	LAB	2,520	413	22,728	482
01/29/02	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,525	414	23,850	1,122
03/20/02	65	65	<5.0	<5.0	0.054	<0.05	NC	NC	< 0.10	< 0.10	0.001	< 0.001	LAB	2,530	415	25,054	1,204
04/18/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,533	415	25,743	689
05/13/02	64	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,535	416	26,358	615
06/13/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,538	416	27,071	713
07/22/02	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,543	417	28,027	956
08/21/02	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,546	417	28,750	722
09/23/02	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,549	418	29,536	787
10/21/02	69	69	7.3	<5.0	<0.05	<0.05	NC	NC	0.16	< 0.11	< 0.001	< 0.001	LAB	2,553	419	30,212	676
11/24/02	70	70	12.0	<5.0	0.064	<0.05	NC	NC	0.27	< 0.11	0.001	< 0.001	LAB	2,560	420	31,024	812
12/20/02	62	62	27.0	<5.0	0.18	<0.05	NC	NC	0.54	< 0.10	0.003	< 0.001	LAB	2,571	421	31,654	630
01/29/03	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,584	424	32,613	959
02/20/03	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.11	< 0.11	< 0.001	< 0.001	LAB	2,586	424	33,138	525
03/20/03	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	2,587	424	33,426	288
04/22/03	65	65	5.6	<5.0	<0.05	<0.05	NC	NC	0.12	< 0.10	< 0.001	< 0.001	LAB	2,593	425	34,600	1,175

**TABLE 3
SVE SYSTEM THROUGHPUT CALCULATIONS**

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent	Effluent	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH	TPH	Benzene	Benzene	FID or LAB	Cumulative	Cumulative	Total Hours	Change in hours of operation
	Flow Rate (ft ³ /min)	Flow Rate (ft ³ /min)							Extraction Rate (lbs/day)	Mass Emission (lbs/day)	Extraction Rate (lbs/day)	Emission Rate (lbs/day)		TPH Extraction (lbs)	TPH Extraction (gallons)		
05/29/03	65	65	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.10	<0.10	<0.001	<0.001	LAB	2,597	426	35,480	880
06/10/03	64	64	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.10	<0.10	<0.001	<0.001	LAB	2,598	426	35,776	296
07/21/03	62	62	<5.0	<5.0	<0.05	<0.05	NC	NC	<0.10	<0.10	<0.001	<0.001	LAB	2,602	427	36,760	984
08/20/03	61	61	23.0	<5.0	0.18	<0.05	NC	NC	0.45	<0.10	0.003	<0.001	LAB	2,610	428	37,485	726
11/26/03	82	82	210.0	<5.0	0.86	<0.05	NC	NC	5.51	<0.13	0.020	<0.001	LAB	2,664	437	37,916	431
12/29/03	118	118	69.0	<5.0	0.21	<0.05	NC	NC	2.61	<0.19	0.007	<0.002	LAB	2,802	459	38,732	816
01/28/04	120	120	29.0	<5.0	0.13	<0.05	NC	NC	1.11	<0.19	0.005	<0.002	LAB	2,858	469	39,452	720
02/29/04	119	119	24.0	<5.0	0.12	<0.05	NC	NC	0.91	<0.19	0.004	<0.002	LAB	2,890	474	40,220	768
03/15/04	121	121	15.0	<5.0	0.13	<0.05	NC	NC	0.58	<0.19	0.005	<0.002	LAB	2,902	476	40,580	360
05/26/04	75	75	19.0	<5.0	0.13	<0.05	NC	NC	0.46	<0.12	0.003	<0.001	LAB	2,925	479	41,660	1,080
06/30/04	85	85	33.0	<5.0	0.15	<0.05	NC	NC	0.90	<0.14	0.004	<0.001	LAB	2,949	483	42,500	840
08/30/04	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	<0.11	0.001	<0.001	LAB	2,971	487	43,580	1,080
09/19/04	72	72	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	<0.12	0.001	<0.001	LAB	2,973	487	44,060	480
10/28/04	71	71	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	<0.11	0.001	<0.001	LAB	2,978	488	44,996	936
11/23/04	80	80	<5.0	<5.0	<0.05	<0.05	NC	NC	0.13	<0.13	0.001	<0.001	LAB	2,981	489	45,620	624
12/26/04	68	68	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	<0.11	0.001	<0.001	LAB	2,985	489	46,412	792
01/26/05	78	78	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	<0.12	0.001	<0.001	LAB	2,989	490	47,154	742
02/27/05	69	69	<5.0	<5.0	<0.05	<0.05	NC	NC	0.11	<0.11	0.001	<0.001	LAB	2,992	491	47,922	768
03/24/05	75	75	<5.0	<5.0	<0.05	<0.05	NC	NC	0.12	<0.12	0.001	<0.001	LAB	2,995	491	48,525	603

* The system was running on ambient air, thus change in hours are zero.

** The system was running on ambient air from 9/22/99 to 10/12/99, the change in hours only represents time the system was extracting soil vapor.

NC = Not Calculated



T.3 S.

SITE

SAN LEANDRO

R.3 W.

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



QUADRANGLE LOCATION



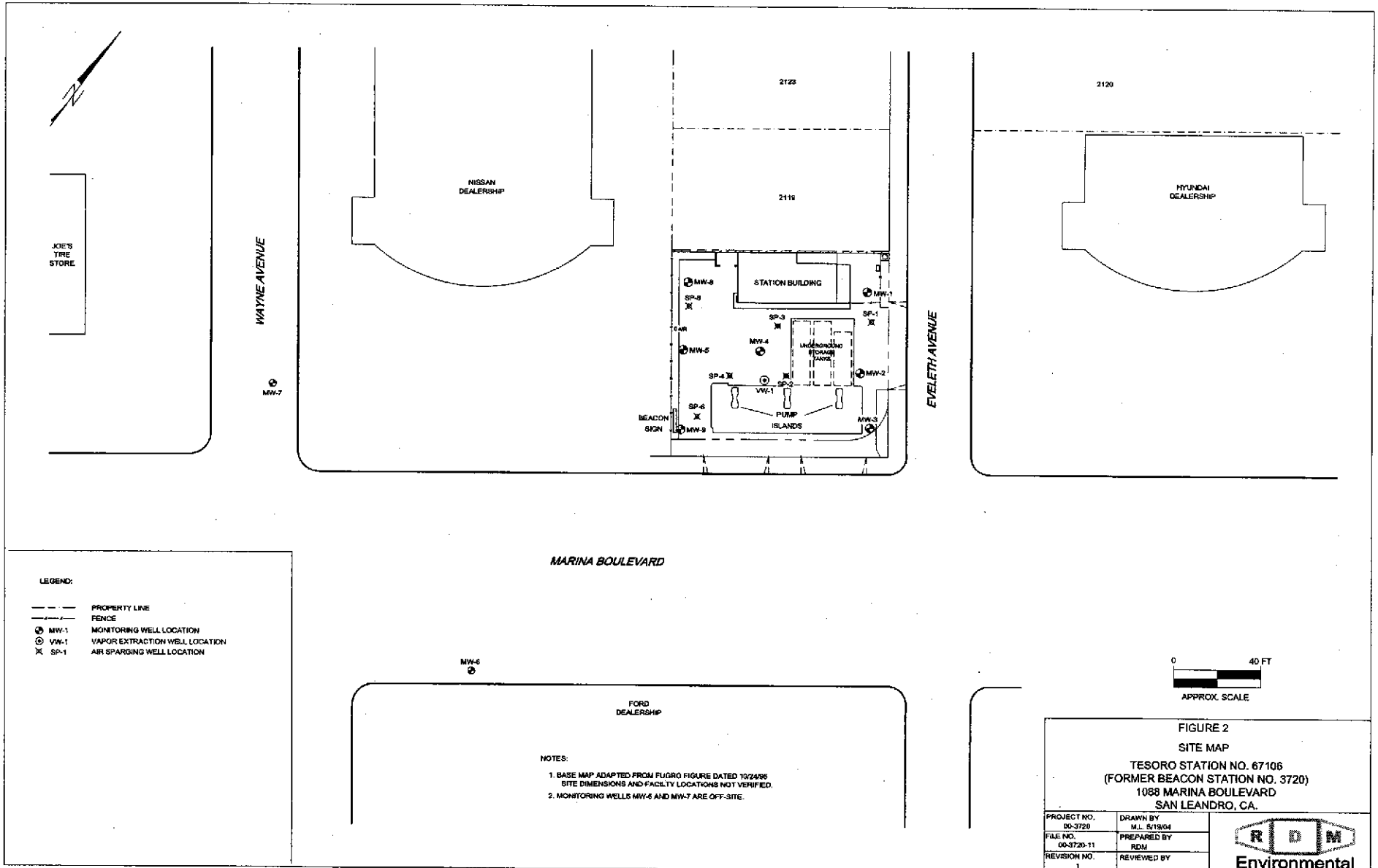
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FIGURE 1
 SITE LOCATION MAP

TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 12/18/01
FILE NO. 00-3720-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TYRE
STORE

WAYNE AVENUE

MW-7

NISSAN
DEALERSHIP

2128

2118

STATION BUILDING

MW-4

MW-5

MW-6

MW-9

MW-3

MW-2

MW-1

SP-6

SP-4

SP-3

SP-2

SP-1

VW-1

PUMP

ISLANDS

UNDERGROUND STORAGE TANKS

BEACON
SIGN

EVELETH AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-8

FORD
DEALERSHIP



FIGURE 2
SITE MAP

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 6/19/04
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

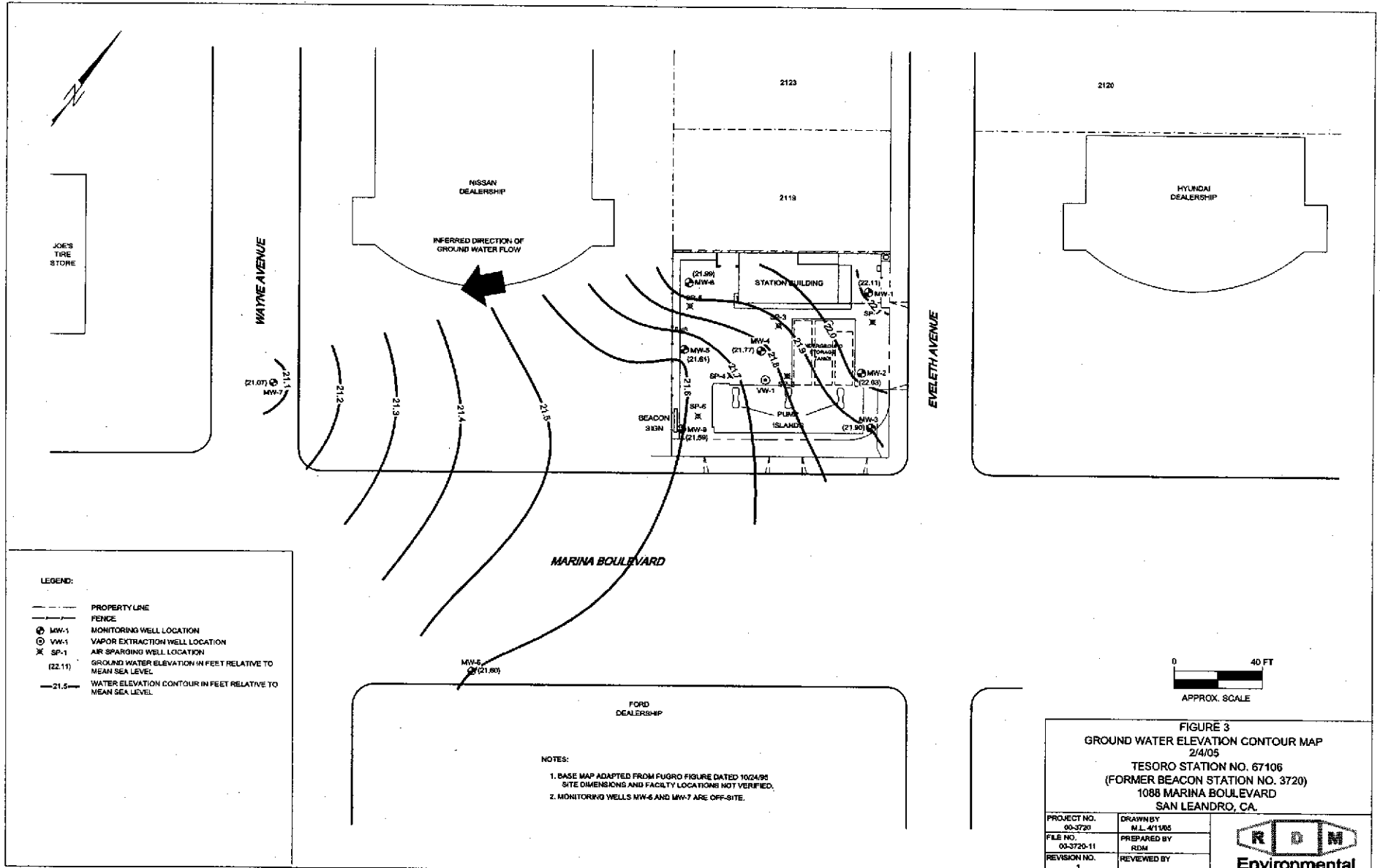


LEGEND:

- PROPERTY LINE
- - - FENCE
- ⊙ MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.



LEGEND:

- PROPERTY LINE
- - - FENCE
- ⊙ MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (22.11) GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
- 21.5- WATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL

NOTES:

1. BASE MAP ADAPTED FROM FIGURO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

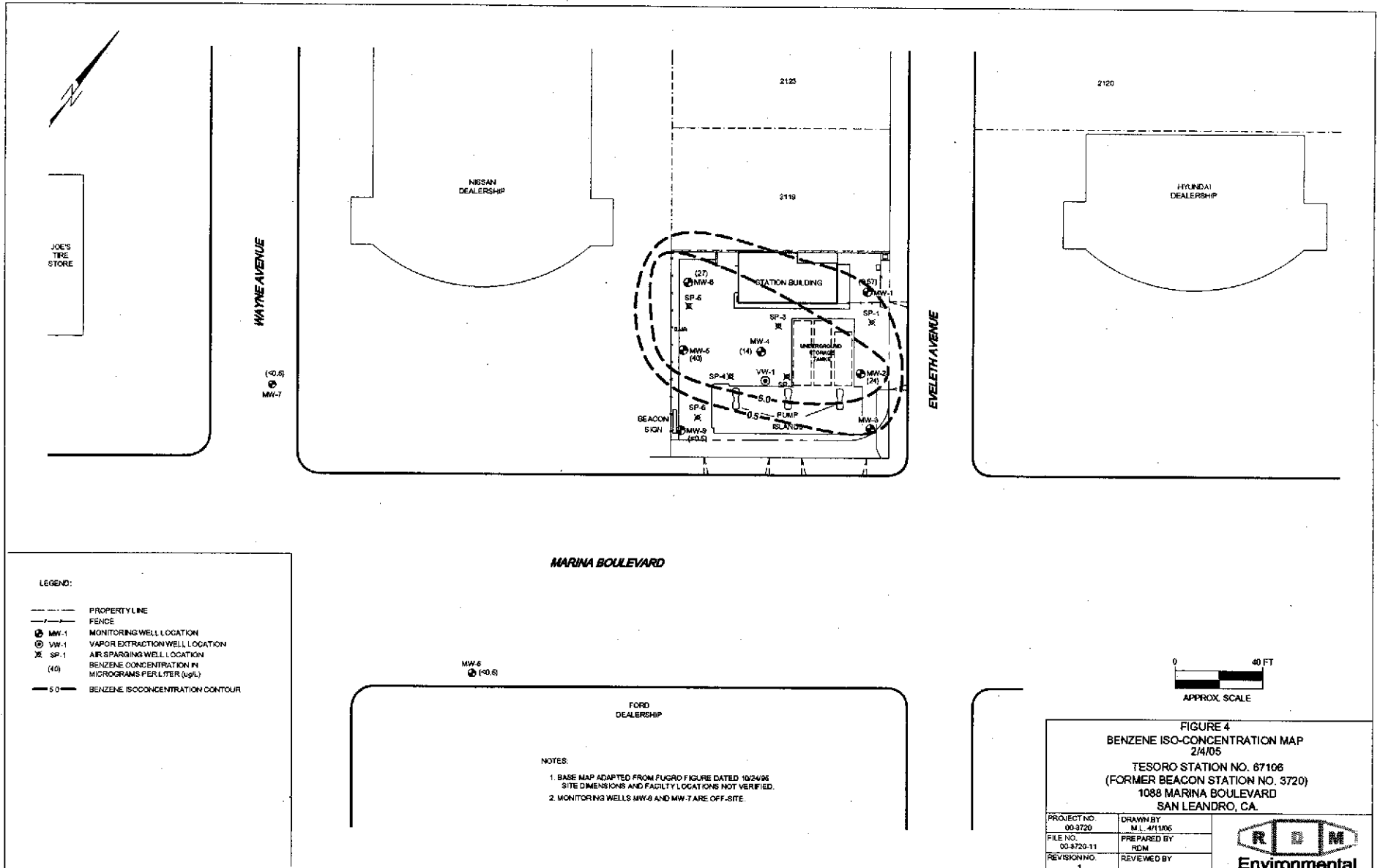


APPROX. SCALE

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
 2/4/05
 TESORO STATION NO. 67106
 (FORMER BEACON STATION NO. 3720)
 1088 MARINA BOULEVARD
 SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L.-4/1/05
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

RDM
Environmental



LEGEND:

- PROPERTY LINE
- - - FENCE
- ⊙ MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (40) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 BENZENE ISOCONCENTRATION CONTOUR

MARINA BOULEVARD

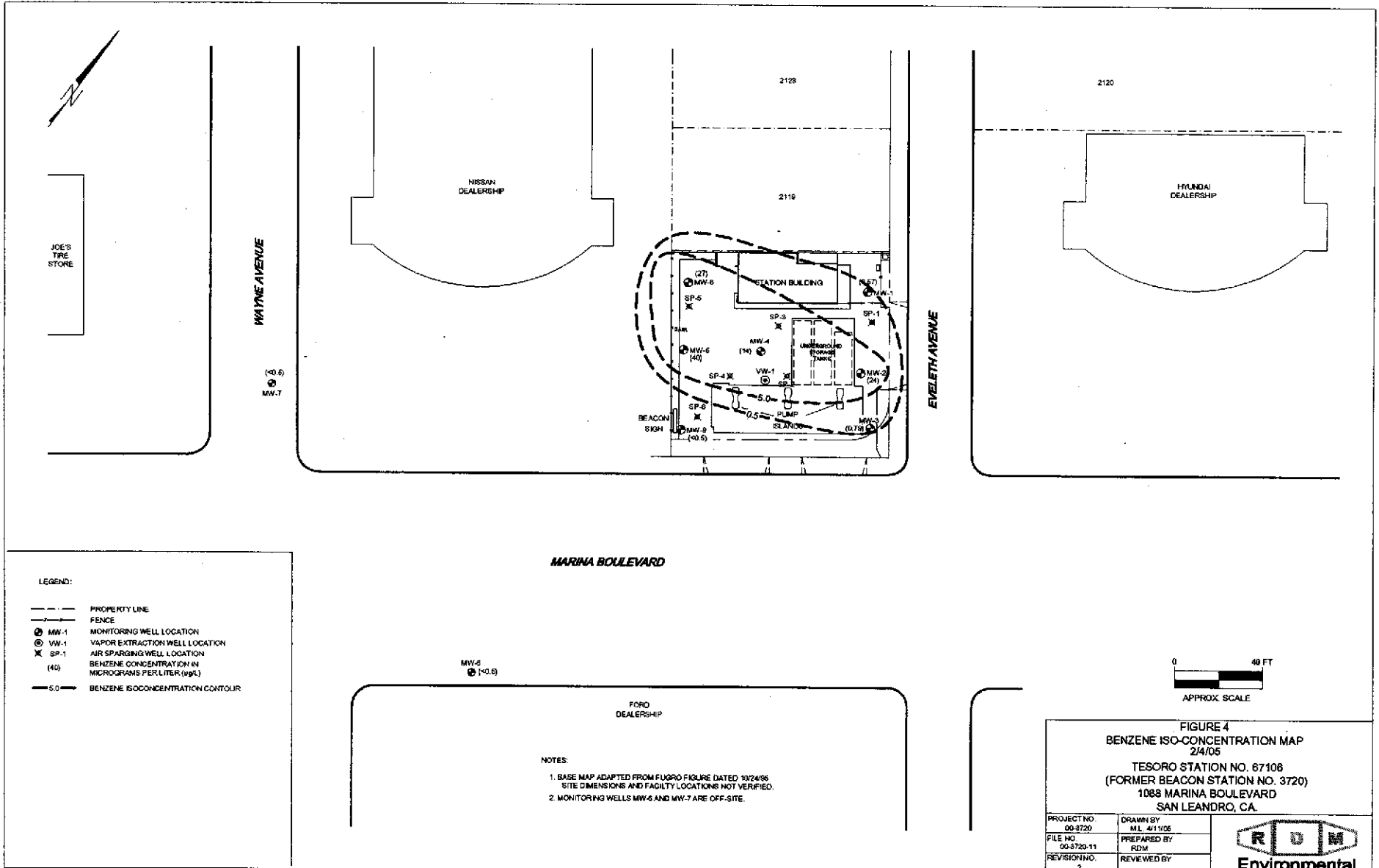
NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.



FIGURE 4 BENZENE ISO-CONCENTRATION MAP 2/4/05 TESORO STATION NO. 67106 (FORMER BEACON STATION NO. 3720) 1088 MARINA BOULEVARD SAN LEANDRO, CA.	
PROJECT NO. 00-3720	DRAWN BY M.L. AYIHOE
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY





JOE'S
TIRE
STORE

MAIN AVENUE

MW-6
(40.6)
MW-7

NISSAN
DEALERSHIP

2128

2119

STATION BUILDING

UNDERGROUND STORAGE TANKS

PUMP

STAIRS

BEACON SIGN

EVELLE AVENUE

2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-5
(40.6)

FORD
DEALERSHIP



LEGEND:

- PROPERTY LINE
- - - FENCE
- MW-1 MONITORING WELL LOCATION
- ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
- ⊗ SP-1 AIR SPARGING WELL LOCATION
- (40) BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
- 5.0 — BENZENE ISOCONCENTRATION CONTOUR

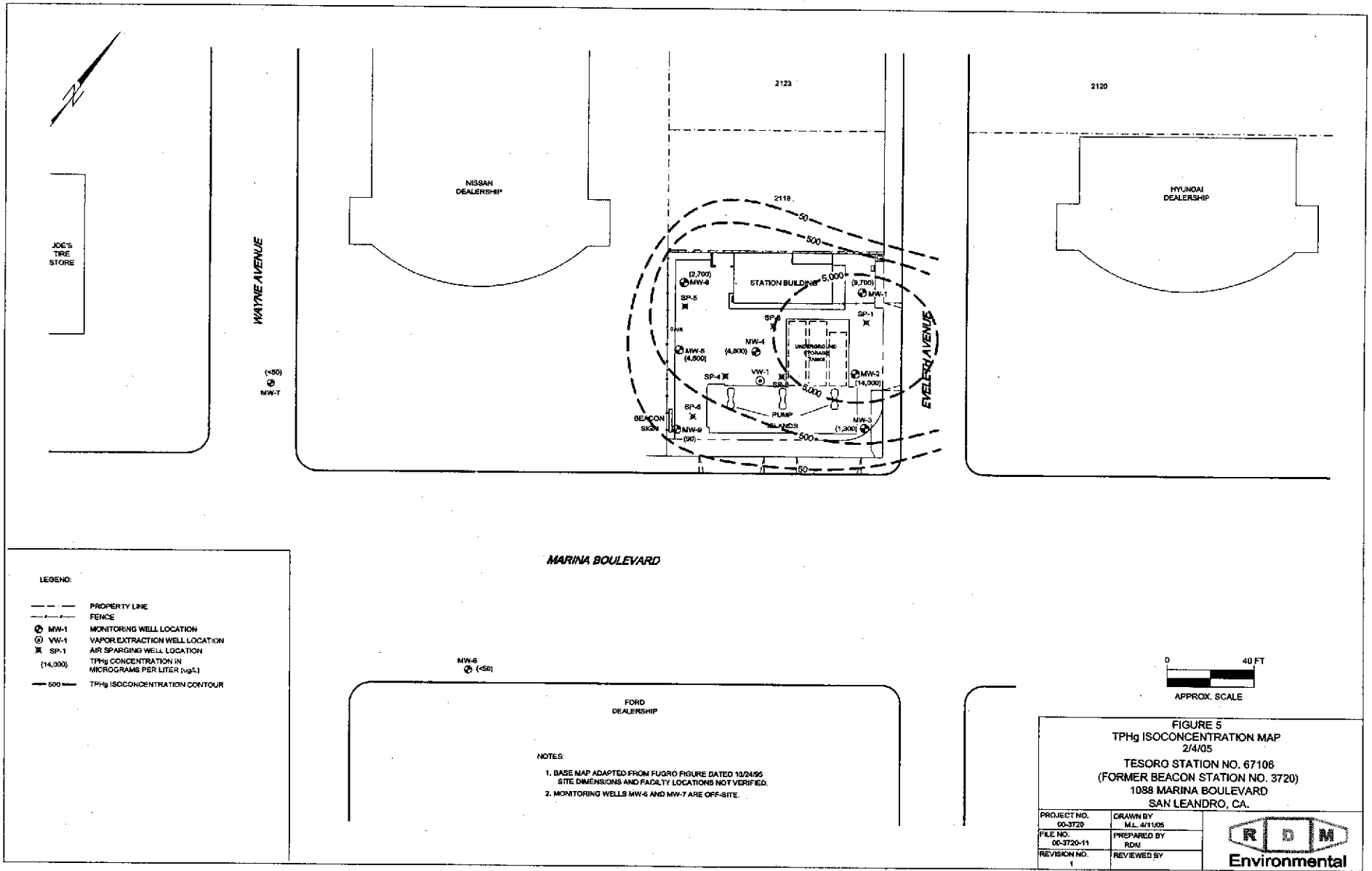
NOTES:

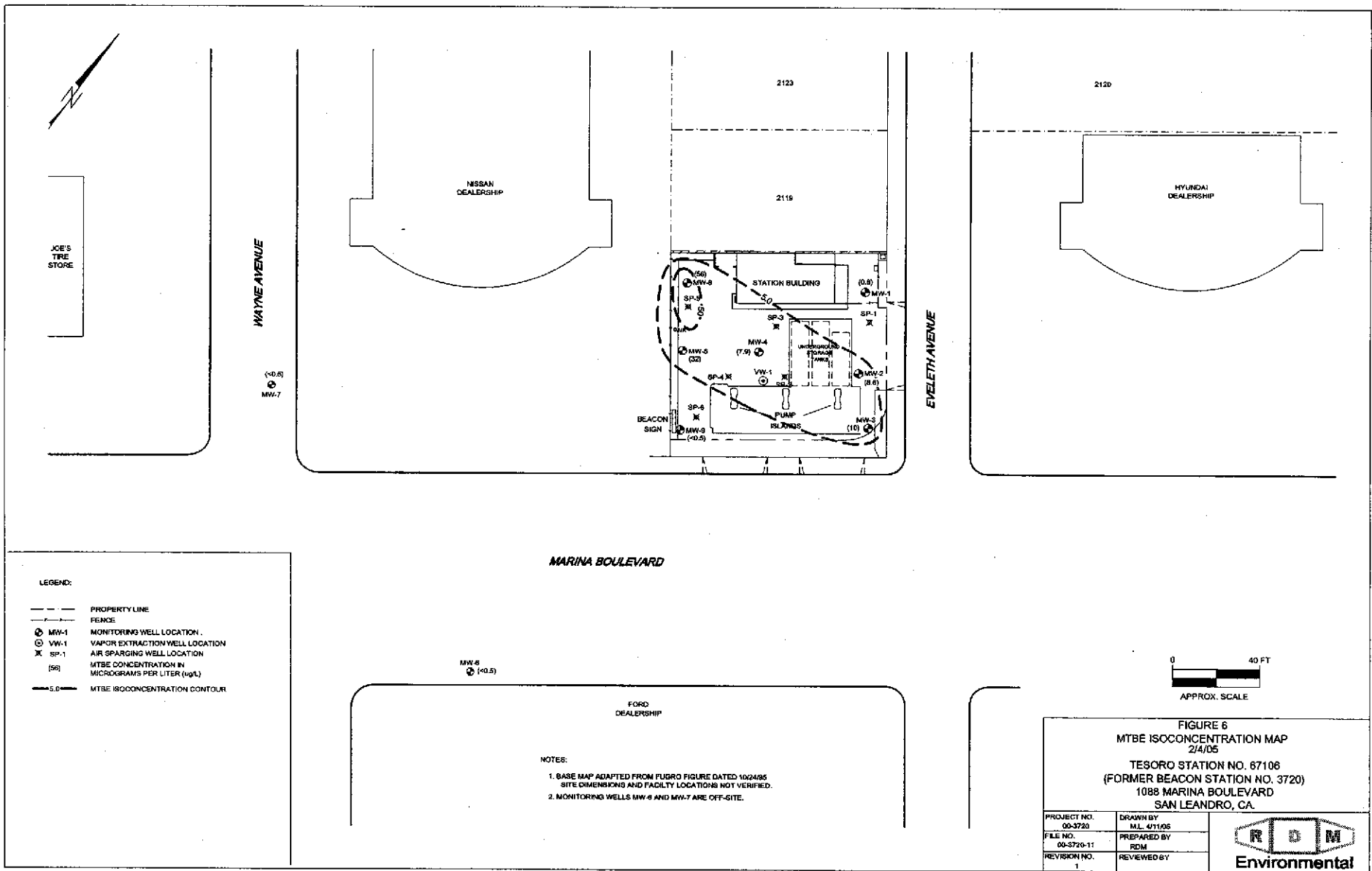
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 4
BENZENE ISO-CONCENTRATION MAP
2/4/05
TESORO STATION NO. 87108
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 4/11/05
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 2	REVIEWED BY







JOE'S
TIRE
STORE

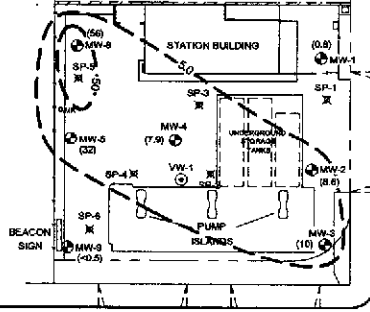
WAYNE AVENUE

(-0.5)
MW-7

NISSAN
DEALERSHIP

2123

2119



EVELETH AVENUE

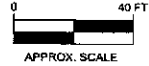
2120

HYUNDAI
DEALERSHIP

MARINA BOULEVARD

MW-6
(-0.5)

FORD
DEALERSHIP



- LEGEND:
- PROPERTY LINE
 - - - FENCE
 - ⊙ MW-1 MONITORING WELL LOCATION
 - ⊙ VW-1 VAPOR EXTRACTION WELL LOCATION
 - X SP-1 AIR SPARGING WELL LOCATION
 - (5.0) MTBE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
 - - - 5.0 MTBE ISOCONCENTRATION CONTOUR

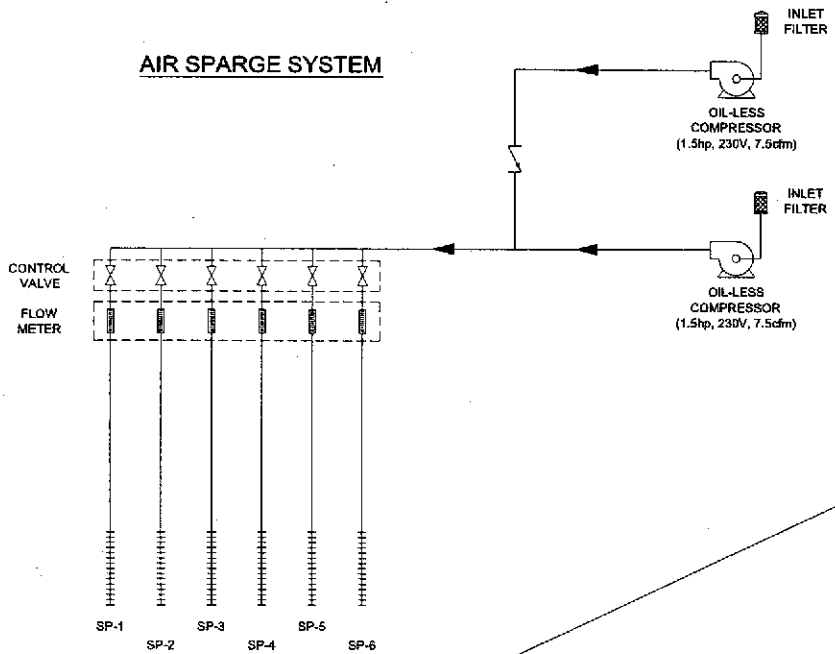
- NOTES:
1. BASE MAP ADAPTED FROM FIGURO FIGURE DATED 10/24/85. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.
 2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 6
MTBE ISOCONCENTRATION MAP
2/4/05

TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 4/11/05
FILE NO. 00-3720-11	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

AIR SPARGE SYSTEM



SOIL VAPOR EXTRACTION SYSTEM

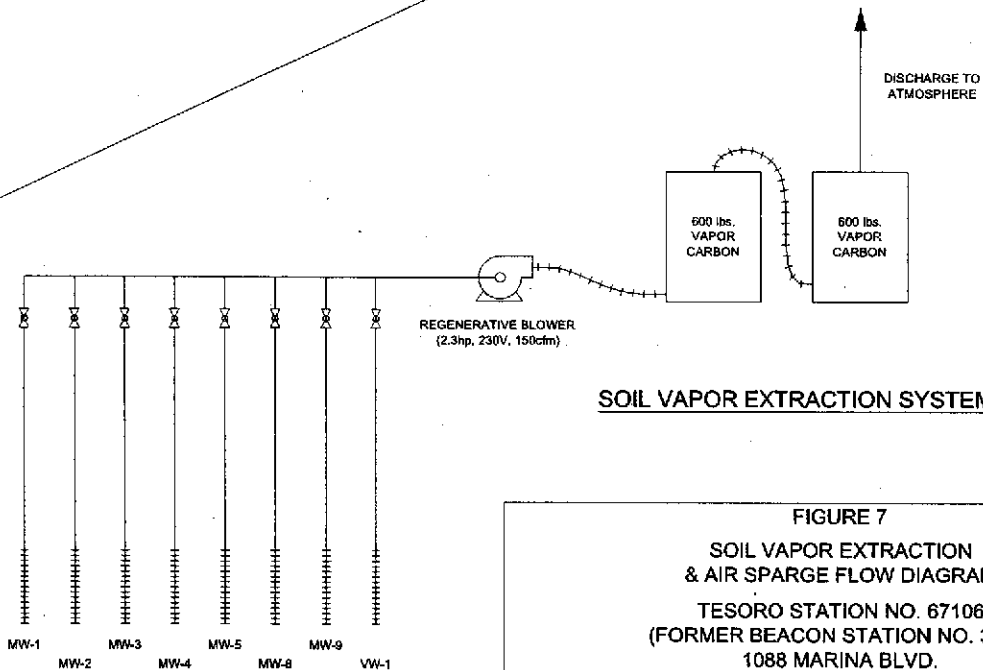



FIGURE 7
SOIL VAPOR EXTRACTION
& AIR SPARGE FLOW DIAGRAM
TESORO STATION NO. 67106
(FORMER BEACON STATION NO. 3720)
1088 MARINA BLVD.
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 2/18/04
FILE NO. 00-3720-10	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY



RDM
Environmental

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

PREVIOUS OWNER

- January 1987 - Three underground gasoline storage tanks and one waste oil tank were excavated and removed from two tank cavities. Samples collected from beneath the former tanks indicated that hydrocarbons were present in the soil.
- March 1987 - Five monitoring wells (MW-1 through MW-5) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells with the highest concentrations being detected in the area of MW-4.
- July 1987 - Four soil borings were drilled in the vicinity of MW-4 to further characterize the soil contamination in that area. TPH concentrations above 100 ppm were detected in each boring. The site has been on a monitoring program since June 1987.

ULTRAMAR INC.

- July 1990 - The site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued.
- August 1991 - A shallow ground water study was performed as a screening tool to locate wells.
- October 1991 - Three additional wells were installed to further define the extent of the dissolved hydrocarbon plume.
- October 1993 - Performed a ground-water pump test, a vapor extraction test, and an air-sparging test.
- May 1994 - A Problem Assessment Report/Remedial Action Plan was submitted.
- December 1994 - One additional monitoring well, six air sparging points and one vapor extraction well were installed.
- June 1997 - Began operation of vapor extraction system.
- July 1997 - The ground water recovery system and the air sparging system began operation.
- September 7, 1999 - Performed quarterly monitoring. Continued to operate the vapor extraction and air sparging systems. The ground-water system did not operate during the quarter.
- As of March 1998, the ground water extraction system has processed approximately 228,850 gallons of water.
- On October 4, 2000, 1,500 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.
- On October 17, 2000, 1,200 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67106
Former Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

- On November 29, 2000, approximately 1,800 gallons of ground water were extracted during the dual phased extraction (DPE) test from MW-1 and MW-2.
- On December 4, 2000, approximately 1,600 gallons of ground water were extracted during the DPE test.
- On January 4, 2001, approximately 1,000 gallons of ground water were extracted during the DPE test.
- The evaluation of these interim remediation events is included in the Doulos report entitled *Evaluation of Interim Remediation with Vacuum Truck/Dual Phase Extraction Events*.
- On May 17, 2002, Tesoro Petroleum purchased the facility from Ultramar.
- The ground water extraction system was removed during the system upgrade (November 2003).
- The soil vapor extraction and air sparging system was upgraded in November 2003.
- An ozone system was installed on December 4, 2004. Monitoring wells MW-1 and MW-4 were connected to the ozone system.

ENCLOSURE B

Ground Water Sampling Information

Client: Tesoro Sample Data: 2/4/2005
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-1
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0745 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark: _____
 Well cap & locked Yes No Remark: OZONE SPARKER POINT
 Height of Riser 4"
 Well Box 8" 12" 24" Type of well box CNS

Purging/Sampling Equipment

Purging -

2" Disposable Bailer X Submersible Pump _____
 2" PVC Bailer _____ Dedicated Bailer _____
 4" PVC Bailer _____ 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 1.97
 Time: 0745 Time: _____ Actual Purge 2.0
 Depth of Well 17.47 Depth to Water _____
 Depth to Water 13.36

Sample

Start Purge 1007 Sample Time 1016

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
1010	66.2	304	6.60			1
1012	66.3	320	6.56			2
1013	66.3	330	6.58			3

Sample Appearance CLEAR Lock N/A

Equipment Replacement

Lock N/A Well Cap 04 Bolts 04 Box 04

Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>2/4/2005</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MN-2</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0758</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>2"</u>	
Well Box	8" <input checked="" type="radio"/> 24" <input type="radio"/>	Type of well box <u>Pomoco</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	<input checked="" type="checkbox"/>	<u>AND</u>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>		Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailleurs	<input type="checkbox"/>		Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" <input type="checkbox"/>	6" <input type="checkbox"/>	8" <input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement		Recharge Measurement		Calculated Purge <u>4.43</u>
Time: <u>0758</u>		Time: _____		Actual Purge <u>6.0</u>
Depth of Well <u>22.31</u>		Depth to Water _____		
Depth to Water <u>13.08</u>				

Sample

Start Purge 1124 Sample Time 1150

Time	Temperature	E.G.	pH	ORP	Turbidity	Volume
<u>1126</u>	<u>71.4</u>	<u>336</u>	<u>6.82</u>			<u>1</u>
<u>1132</u>	<u>64.8</u>	<u>302</u>	<u>6.65</u>			<u>2</u>
<u>1140</u>	<u>63.2</u>	<u>292</u>	<u>6.54</u>			<u>3</u>
<u>1147</u>	<u>63.7</u>	<u>292</u>	<u>6.58</u>			<u>4</u>

Sample Appearance CLUMPY Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts 04 Box 04

Remarks: Demanded after one well volume with pump. Remainder of purge done by disposable bailer

Client: <u>Tesoro</u>	Sample Data: <u>2/4/2005</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-3</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0734</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>2"</u>	
Well Box	8" <u>(12")</u> 24"	Type of well box <u>CN2</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	<u>X</u>

Sampling -

Disposable Bailer	<u>X</u>	Teflon Bailer	_____	Disposable Tubing	_____
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Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>7.42</u>
Time: <u>0734</u>	_____	Time: _____	_____	Actual Purge <u>8.0</u>
Depth of Well	<u>28.4</u>	Depth to Water	_____	
Depth to Water	<u>12.94</u>			

Sample

Start Purge 0933 Sample Time 0940

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>0934</u>	<u>69.7</u>	<u>339</u>	<u>6.47</u>			<u>1</u>
<u>0935</u>	<u>69.7</u>	<u>337</u>	<u>6.45</u>			<u>2</u>
<u>0936</u>	<u>69.8</u>	<u>340</u>	<u>6.44</u>			<u>3</u>

Sample Appearance CLEAR Lock 04

Equipment Replacement

Lock 04 Well Cap 04 Bolts 04 Box 04

Remarks:

Client: Tesoro Sample Data: 2/4/2005
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-4
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0753 hours
 Standing water Yes No above or below casing
 Top of well level Yes No Remark:
 Well cap & locked Yes No Remark: Ozone sparse point
 Height of Riser 1'
 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 Bailer _____ 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 6.67
 Time: 0753 Time: _____ Actual Purge 6.5
 Depth of Well 27.45 Depth to Water _____
 Depth to Water 13.56

Sample

Start Purge 1043 Sample Time 1113

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
1046	72.4	391	6.79			1
1102	71.1	388	6.82			2
1110	73.3	387	6.85			3

Sample Appearance CLOUDY Lock N/A

Equipment Replacement

Lock N/A Well Cap OK Bolts Need 1 Box OK

Remarks: Demanded between volumes 1 and 2. Allowed to recharge 10 min
Demanded between volumes 2 and 3. Allowed to recharge 5 min

Client: <u>Tesoro</u>	Sample Data: <u>2/4/2005</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-5</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0736</u> hours
Standing water	<input type="radio"/> Yes <input checked="" type="radio"/> No	above or below casing
Top of well level	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark:
Well cap & locked	<input type="radio"/> Yes <input checked="" type="radio"/> No	Remark: <u>Air space point</u>
Height of Riser	<u>1"</u>	
Well Box 8" 12" <input checked="" type="radio"/> 24"	Type of well box	<u>NOT MARKED</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	<u> </u>	Submersible Pump	<u> </u>
2" PVC Bailer	<u> </u>	Dedicated Bailer	<u> </u>
4" PVC Bailers	<u> </u>	Centrifugal Pump	<u> X </u>

Sampling -

Disposable Bailer	<u> X </u>	Teflon Bailer	<u> </u>	Disposable Tubing	<u> </u>
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Well Purging

Well Diameter: 2"	<u> X </u>	4"	<u> </u>	6"	<u> </u>	8"	<u> </u>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement		Recharge Measurement		Calculated Purge	<u> 7.35 </u>		
Time: <u> 0736 </u>		Time:		Actual Purge	<u> 7.5 </u>		
Depth of Well	<u> 28.8 </u>	Depth to Water	<u> </u>				
Depth to Water	<u> 13.48 </u>						

Sample

Start Purge	<u> 0948 </u>	Sample Time	<u> 0955 </u>
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Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>0950</u>	<u>68.8</u>	<u>688</u>	<u>6.51</u>			<u>1</u>
<u>0951</u>	<u>68.9</u>	<u>670</u>	<u>6.50</u>			<u>2</u>
<u>0952</u>	<u>68.9</u>	<u>657</u>	<u>6.50</u>			<u>3</u>

Sample Appearance	<u> CLOUDY </u>	Lock	<u> N/A </u>
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Equipment Replacement

Lock	<u> N/A </u>	Well Cap	<u> 04 </u>	Bolts	<u> Need4 </u>	Box	<u> 04 </u>
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Remarks:

Client: <u>Tesoro</u>	Sample Data: <u>2/4/2005</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-6</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time: <u>0727</u> hours
Standing water	<input checked="" type="radio"/> Yes <input type="radio"/> No	<u>above</u> or below casing
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____
Height of Riser	<u>6"</u>	
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box <u>Pomelo</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	<input checked="" type="checkbox"/>	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	_____

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	_____	Disposable Tubing	_____
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Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement		Calculated Purge <u>1.79</u>	
Time: <u>0727</u>	Time: _____		Actual Purge <u>2.0</u>	
Depth of Well <u>14.86</u>	Depth to Water _____			
Depth to Water <u>11.14</u>				

Sample

Start Purge 0835 Sample Time 0845

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>0837</u>	<u>65.3</u>	<u>960</u>	<u>6.68</u>			<u>1</u>
<u>0839</u>	<u>65.6</u>	<u>968</u>	<u>6.60</u>			<u>2</u>
<u>0842</u>	<u>65.7</u>	<u>961</u>	<u>6.64</u>			<u>3</u>

Sample Appearance CLEAR Lock rusted

Equipment Replacement

Lock rusted Well Cap 04 Bolts 1/2" Box 04

Remarks: _____

Client: <u>Tesoro</u>		Sample Data: <u>2/4/2005</u>	
Site: <u>Tesoro Station 67106</u>		Project Number: <u>02-67106</u>	
<u>1088 Marina Blvd., San Leandro, CA</u>		Well Designation: <u>MW-7</u>	
Signature: <u>[Signature]</u>			
Well Box Condition/Traffic			
Traffic Control	<input checked="" type="radio"/> Yes <input type="radio"/> No	Time:	<u>0723</u> hours
Standing water	Yes <input type="radio"/> No <input checked="" type="radio"/>	above or below casing	
Top of well level	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____	
Well cap & locked	<input checked="" type="radio"/> Yes <input type="radio"/> No	Remark: _____	
Height of Riser	<u>8"</u>		
Well Box	8" <input checked="" type="radio"/> 24" <input type="radio"/>	Type of well box	<u>POMECO</u>
Purging/Sampling Equipment			
Purging -			
2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailers	_____	Centrifugal Pump	<u>X</u>
Sampling -			
Disposable Bailer	<u>X</u>	Teflon Bailer	_____
		Disposable Tubing	_____
Well Purging			
Well Diameter:	2" <u>X</u>	4" _____	6" _____
Purge Vol. Multiplier	0.16	0.65	1.47
Initial Measurement		Recharge Measurement	Calculated Purge <u>6.18</u>
Time:	<u>0723</u>	Time:	Actual Purge <u>6.5</u>
Depth of Well	<u>25.45</u>	Depth to Water	_____
Depth to Water	<u>12.57</u>		
Sample			
Start Purge	<u>0814</u>	Sample Time	<u>0823</u>
Time	Temperature	E.C.	pH
<u>0816</u>	<u>65.2</u>	<u>500</u>	<u>6.45</u>
<u>0817</u>	<u>67.6</u>	<u>510</u>	<u>6.41</u>
<u>0818</u>	<u>68.2</u>	<u>503</u>	<u>6.40</u>
Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
Equipment Replacement			
Lock	<u>04</u>	Well Cap	<u>04</u>
Bolts	<u>NEED 3</u>	Box	<u>OK except 1 thread missing</u>
Remarks:			

Client: <u>Tesoro</u>	Sample Data: <u>2/4/2005</u>
Site: <u>Tesoro Station 67106</u>	Project Number: <u>02-67106</u>
<u>1088 Marina Blvd., San Leandro, CA</u>	Well Designation: <u>MW-8</u>
Signature: <u>[Signature]</u>	

Well Box Condition/Traffic

Traffic Control	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Time: <u>0750</u> hours
Standing water	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	above or below casing
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark: _____
Well cap & locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark: _____
Height of Riser	<u>5'</u>	
Well Box	8" <input checked="" type="checkbox"/> 12" <input type="checkbox"/> 24" <input type="checkbox"/>	Type of well box <u>CNF</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	_____	Submersible Pump	_____
2" PVC Bailer	_____	Dedicated Bailer	_____
4" PVC Bailleurs	_____	Centrifugal Pump	<u>X</u>

Sampling -

Disposable Bailer	<u>X</u>	Teflon Bailer	_____	Disposable Tubing	_____
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Well Purging

Well Diameter:	2" <u>X</u>	4" _____	6" _____	8" _____
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	_____	Recharge Measurement	_____	Calculated Purge <u>6.7</u>
Time: <u>0750</u>	_____	Time: _____	_____	Actual Purge <u>7.5</u>
Depth of Well <u>28.05</u>	_____	Depth to Water _____	_____	
Depth to Water <u>14.09</u>	_____			

Sample

Start Purge	<u>1027</u>	Sample Time	<u>1033</u>
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Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>1029</u>	<u>67.3</u>	<u>735</u>	<u>6.54</u>			<u>1</u>
<u>1030</u>	<u>67.1</u>	<u>755</u>	<u>6.50</u>			<u>2</u>
<u>1031</u>	<u>67.2</u>	<u>762</u>	<u>6.52</u>			<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>OK</u>
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Equipment Replacement

Lock	<u>OK</u>	Well Cap	<u>OK</u>	Bolts	<u>OK</u>	Box	<u>OK</u>
------	-----------	----------	-----------	-------	-----------	-----	-----------

Remarks: _____

Client: Tesoro Sample Data: 2/4/2005
 Site: Tesoro Station 67106 Project Number: 02-67106
1088 Marina Blvd., San Leandro, CA Well Designation: MW-9
 Signature: [Signature]

Well Box Condition/Traffic

Traffic Control Yes No Time: 0732 hours
 Standing water Yes Yes No above or below casing
 Top of well level Yes Yes No Remark:
 Well cap & locked Yes Yes No Remark: Air space point
 Height of Riser _____
 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" _____ 4" X 6" _____ 8" _____
 Purge Vol. Multiplier _____ 0.16 _____ 0.65 _____ 1.47 _____ 2.61
 Initial Measurement _____ Recharge Measurement _____ Calculated Purge 22.54
 Time: 0732 Time: _____ Actual Purge 22.5
 Depth of Well 24.6 Depth to Water _____
 Depth to Water 13.04

Sample

Start Purge 0907 Sample Time 0919

Time	Temperature	E.C.	pH	ORP	Turbidity	Volume
<u>0909</u>	<u>68.7</u>	<u>467</u>	<u>7.03</u>			<u>1</u>
<u>0912</u>	<u>69.4</u>	<u>461</u>	<u>7.04</u>			<u>2</u>
<u>0915</u>	<u>69.4</u>	<u>464</u>	<u>7.03</u>			<u>3</u>

Sample Appearance Cloudy Lock N/A

Equipment Replacement

Lock N/A Well Cap 04 Bolts Need 3 Box Bolt broken in one thread

Remarks:

ENCLOSURE C.

Ground Water Analytical Results



Report Number : 42288

Date : 2/15/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 9 Water Samples
Project Name : 67106
Project Number : 67106

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 42288

Date : 2/15/2005

Subject : 9 Water Samples

Project Name : 67106

Project Number : 67106

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-2 for the analyte Tert-Butanol were affected by the analyte concentrations already present in the un-spiked sample.

Approved By:

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

Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-1

Matrix : Water

Lab Number : 42288-01

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.57	0.50	ug/L	EPA 8260B	2/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Ethylbenzene	140	0.50	ug/L	EPA 8260B	2/11/2005
Total Xylenes	58	0.50	ug/L	EPA 8260B	2/11/2005
Methyl-t-butyl ether (MTBE)	0.75	0.50	ug/L	EPA 8260B	2/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/11/2005
TPH as Gasoline	9700	150	ug/L	EPA 8260B	2/15/2005
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	2/11/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	2/11/2005

Approved By:  Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106

Sample : MW-2

Matrix : Water

Lab Number : 42288-02

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	24	2.5	ug/L	EPA 8260B	2/15/2005
Toluene	20	2.5	ug/L	EPA 8260B	2/15/2005
Ethylbenzene	720	2.5	ug/L	EPA 8260B	2/15/2005
Total Xylenes	1000	2.5	ug/L	EPA 8260B	2/15/2005
Methyl-t-butyl ether (MTBE)	8.6	2.5	ug/L	EPA 8260B	2/15/2005
Diisopropyl ether (DIPE)	< 2.5	2.5	ug/L	EPA 8260B	2/15/2005
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	ug/L	EPA 8260B	2/15/2005
Tert-amyl methyl ether (TAME)	< 2.5	2.5	ug/L	EPA 8260B	2/15/2005
Tert-Butanol	< 15	15	ug/L	EPA 8260B	2/15/2005
TPH as Gasoline	14000	250	ug/L	EPA 8260B	2/15/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/15/2005
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	2/15/2005

Approved By:

Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106

Sample : MW-3

Matrix : Water

Lab Number : 42288-03

Sample Date : 2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.79	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	10	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	12	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	1300	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	99.5		% Recovery	EPA 8260B	2/12/2005

Approved By:

Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-4

Matrix : Water

Lab Number : 42288-04

Sample Date : 2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	14	4.0	ug/L	EPA 8260B	2/13/2005
Toluene	160	4.0	ug/L	EPA 8260B	2/13/2005
Ethylbenzene	170	4.0	ug/L	EPA 8260B	2/13/2005
Total Xylenes	1100	4.0	ug/L	EPA 8260B	2/13/2005
Methyl-t-butyl ether (MTBE)	7.9	4.0	ug/L	EPA 8260B	2/13/2005
Diisopropyl ether (DIPE)	< 4.0	4.0	ug/L	EPA 8260B	2/13/2005
Ethyl-t-butyl ether (ETBE)	< 4.0	4.0	ug/L	EPA 8260B	2/13/2005
Tert-amyl methyl ether (TAME)	< 4.0	4.0	ug/L	EPA 8260B	2/13/2005
Tert-Butanol	< 20	20	ug/L	EPA 8260B	2/13/2005
TPH as Gasoline	4800	400	ug/L	EPA 8260B	2/13/2005
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/13/2005
4-Bromofluorobenzene (Surr)	116		% Recovery	EPA 8260B	2/13/2005

Approved By:  Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-5

Matrix : Water

Lab Number : 42288-05

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	40	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	1.4	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	120	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	80	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	32	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	43	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	4500	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	2/12/2005

Approved By:  Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-6

Matrix : Water

Lab Number : 42288-06

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	115		% Recovery	EPA 8260B	2/12/2005

Approved By:  Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106

Sample : MW-7

Matrix : Water

Lab Number : 42288-07

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/13/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/13/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/13/2005
4-Bromofluorobenzene (Surr)	114		% Recovery	EPA 8260B	2/13/2005

Approved By:

Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-8

Matrix : Water

Lab Number : 42288-08

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	27	0.50	ug/L	EPA 8260B	2/13/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Ethylbenzene	65	0.50	ug/L	EPA 8260B	2/13/2005
Total Xylenes	92	0.50	ug/L	EPA 8260B	2/13/2005
Methyl-t-butyl ether (MTBE)	56	0.50	ug/L	EPA 8260B	2/13/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/13/2005
Tert-Butanol	38	5.0	ug/L	EPA 8260B	2/13/2005
TPH as Gasoline	2700	50	ug/L	EPA 8260B	2/13/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/13/2005
4-Bromofluorobenzene (Surr)	115		% Recovery	EPA 8260B	2/13/2005

Approved By:  Joel Kiff



Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106


Sample : MW-9

Matrix : Water

Lab Number : 42288-09

Sample Date :2/4/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	90	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	90.6		% Recovery	EPA 8260B	2/12/2005

Approved By:  Joel Kiff

Report Number : 42288

Date : 2/15/2005

QC Report : Method Blank Data

Project Name : **67106**

Project Number : **67106**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	98.9		%	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	89.8		%	EPA 8260B	2/12/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	2/12/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/15/2005
Toluene - d8 (Surr)	99.7		%	EPA 8260B	2/15/2005
4-Bromofluorobenzene (Surr)	112		%	EPA 8260B	2/15/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/11/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/11/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/11/2005
Toluene - d8 (Surr)	99.2		%	EPA 8260B	2/11/2005
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	2/11/2005

KIFF ANALYTICAL, LLC

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

Approved By:


Joel Kiff

QC Report : Method Blank Data

Project Name : **67106**

Project Number : **67106**

Report Number : 42288

Date : 2/15/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/15/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/15/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/15/2005
Toluene - d8 (Surr)	99.8		%	EPA 8260B	2/15/2005
4-Bromofluorobenzene (Surr)	98.8		%	EPA 8260B	2/15/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	2/12/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	2/12/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	2/12/2005
Toluene - d8 (Surr)	100		%	EPA 8260B	2/12/2005
4-Bromofluorobenzene (Surr)	98.2		%	EPA 8260B	2/12/2005

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

KIFF ANALYTICAL, LLC

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

Report Number : 42288

Date : 2/15/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67106

Project Number : 67106

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	42288-09	<0.50	40.0	40.0	44.3	40.6	ug/L	EPA 8260B	2/12/05	111	101	8.74	70-130	25
Toluene	42288-09	<0.50	40.0	40.0	42.5	39.3	ug/L	EPA 8260B	2/12/05	106	98.2	7.92	70-130	25
Tert-Butanol	42288-09	<5.0	200	200	211	200	ug/L	EPA 8260B	2/12/05	106	99.8	5.55	70-130	25
Methyl-t-Butyl Ether	42288-09	<0.50	40.0	40.0	41.3	38.5	ug/L	EPA 8260B	2/12/05	103	96.2	7.07	70-130	25
Benzene	42278-03	<0.50	40.0	40.0	38.0	38.2	ug/L	EPA 8260B	2/12/05	95.0	95.5	0.512	70-130	25
Toluene	42278-03	<0.50	40.0	40.0	38.0	38.1	ug/L	EPA 8260B	2/12/05	95.0	95.2	0.238	70-130	25
Tert-Butanol	42278-03	<5.0	200	200	205	202	ug/L	EPA 8260B	2/12/05	103	101	1.47	70-130	25
Methyl-t-Butyl Ether	42278-03	3.7	40.0	40.0	39.1	39.1	ug/L	EPA 8260B	2/12/05	88.7	88.5	0.220	70-130	25
Benzene	42369-04	<0.50	40.0	40.0	38.3	37.3	ug/L	EPA 8260B	2/15/05	95.7	93.4	2.43	70-130	25
Toluene	42369-04	<0.50	40.0	40.0	38.2	37.5	ug/L	EPA 8260B	2/15/05	95.5	93.7	1.90	70-130	25
Tert-Butanol	42369-04	1300	200	200	1540	1540	ug/L	EPA 8260B	2/15/05	135	133	2.12	70-130	25
Methyl-t-Butyl Ether	42369-04	2.0	40.0	40.0	37.5	36.6	ug/L	EPA 8260B	2/15/05	88.6	86.4	2.46	70-130	25
Benzene	42288-01	0.57	40.0	40.0	40.2	39.0	ug/L	EPA 8260B	2/11/05	99.0	96.2	2.92	70-130	25
Toluene	42288-01	<0.50	40.0	40.0	38.8	37.5	ug/L	EPA 8260B	2/11/05	97.1	93.7	3.47	70-130	25
Tert-Butanol	42288-01	<5.0	200	200	189	190	ug/L	EPA 8260B	2/11/05	94.4	94.8	0.422	70-130	25
Methyl-t-Butyl Ether	42288-01	0.75	40.0	40.0	40.3	39.8	ug/L	EPA 8260B	2/11/05	98.9	97.7	1.22	70-130	25
Benzene	42379-01	<0.50	40.0	40.0	42.1	40.0	ug/L	EPA 8260B	2/15/05	105	100	5.03	70-130	25
Toluene	42379-01	1.6	40.0	40.0	42.0	40.2	ug/L	EPA 8260B	2/15/05	101	96.4	4.80	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 42288

Date : 2/15/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : 67106

Project Number : 67106

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	42379-01	<5.0	200	200	196	196	ug/L	EPA 8260B	2/15/05	98.2	98.1	0.0964	70-130	25
Methyl-t-Butyl Ether	42379-01	<0.50	40.0	40.0	38.8	38.2	ug/L	EPA 8260B	2/15/05	97.1	95.5	1.63	70-130	25
Benzene	42288-03	0.79	40.0	40.0	39.8	38.7	ug/L	EPA 8260B	2/12/05	97.6	94.9	2.78	70-130	25
Toluene	42288-03	<0.50	40.0	40.0	40.5	39.6	ug/L	EPA 8260B	2/12/05	101	98.9	2.39	70-130	25
Tert-Butanol	42288-03	12	200	200	215	212	ug/L	EPA 8260B	2/12/05	101	99.7	1.51	70-130	25
Methyl-t-Butyl Ether	42288-03	10	40.0	40.0	50.5	51.5	ug/L	EPA 8260B	2/12/05	100	103	2.45	70-130	25



Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 42288

Date : 2/15/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : 67106

Project Number : 67106

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/12/05	107	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/05	105	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/12/05	105	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/12/05	101	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/05	95.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/05	97.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/12/05	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/12/05	91.3	70-130
Benzene	40.0	ug/L	EPA 8260B	2/15/05	90.0	70-130
Toluene	40.0	ug/L	EPA 8260B	2/15/05	94.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/15/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/15/05	84.6	70-130
Benzene	40.0	ug/L	EPA 8260B	2/11/05	96.2	70-130
Toluene	40.0	ug/L	EPA 8260B	2/11/05	94.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/11/05	92.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/11/05	101	70-130
Benzene	40.0	ug/L	EPA 8260B	2/15/05	96.2	70-130

KIFF ANALYTICAL, LLC

Approved By:


Joel Kiff

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

QC Report : Laboratory Control Sample (LCS)

Report Number : 42288

Date : 2/15/2005

Project Name : 67106

Project Number : 67106

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	2/15/05	97.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/15/05	96.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/15/05	91.4	70-130
Benzene	40.0	ug/L	EPA 8260B	2/12/05	98.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/12/05	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/12/05	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/12/05	96.9	70-130

KIFF ANALYTICAL, LLC

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

Approved By:


Joel Kiff



Analysis Summary

Report Number : 42288

Date : 2/15/2005

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

Project Name : 67106
 Project Number : 67106

Sample Name			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8	
Sample Date			2/4/2005		2/4/2005		2/4/2005		2/4/2005		2/4/2005		2/4/2005		2/4/2005		2/4/2005	
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	0.57	2.5	24	0.50	0.79	4.0	14	0.50	40	0.50	ND	0.50	ND	0.50	27
Toluene	EPA 8260B	ug/L	0.50	ND	2.5	20	0.50	ND	4.0	160	0.50	1.4	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	140	2.5	720	0.50	ND	4.0	170	0.50	120	0.50	ND	0.50	ND	0.50	65
Total Xylenes	EPA 8260B	ug/L	0.50	58	2.5	1000	0.50	ND	4.0	1100	0.50	80	0.50	ND	0.50	ND	0.50	92
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	0.75	2.5	8.6	0.50	10	4.0	7.9	0.50	32	0.50	ND	0.50	ND	0.50	56
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	2.5	ND	0.50	ND	4.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	2.5	ND	0.50	ND	4.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	2.5	ND	0.50	ND	4.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	15	ND	5.0	12	20	ND	5.0	43	5.0	ND	5.0	ND	5.0	38
TPH as Gasoline	EPA 8260B	ug/L	150	9700	250	14000	50	1300	400	4800	50	4500	50	ND	50	ND	50	2700
Toluene - d8 (Surr)	EPA 8260B	%		97.5		101		102		100		99.9		101		101		101
4-Bromofluorobenzene (Surr)	EPA 8260B	%		102		112		99.5		116		112		115		114		115

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,


 Joel Kiff

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



Analysis Summary

Report Number : 42288

Date : 2/15/2005

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

Project Name :67106
Project Number : 67106

Sample Name		MW-9		
Sample Date		2/4/2005		
Analyte	Method	Units	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	90
Toluene - d8 (Surr)	EPA 8260B	%		98.8
4-Bromofluorobenzene (Surr)	EPA 8260B	%		90.6

MRL = Method Reporting Limit
ND = Not Detected

Approved By,



Joel Kiff

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

Project Contact (Hardcopy or PDF To): **Richard Munsat**
 Company/Address: **RDm Envt.**
 Phone No.: **916-415-1134** FAX No.: **916-415-1156**
 Project Number: **67106** P.O. No.:
 California EDF Report? Yes No
 Recommended but not mandatory to complete this section:
 Sampling Company Log Code:
 Global ID: **T-0-6-0-0-1-0-1-4-0-9**
 EDF Deliverable To (Email Address):

Chain-of-Custody Record and Analysis Request

Project Name: **67106** Sampler Signature: **D Hoff**

Project Address: **1055 Marina Blvd
San Leandro**

Sample Designation	Sampling		Container		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/86015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239-2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only		
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER	SOIL																	
✓ MW-1	2/4/05	1016	3		X	X			X					X													01
✓ MW-2	2/4/05	1150	3		X	X			X					X													02
✓ MW-3	2/4/05	0940	3		X	X			X					X													03
✓ MW-4	2/4/05	1113	3		X	X			X					X													04
✓ MW-5	2/4/05	0955	3		X	X			X					X													05
✓ MW-6	2/4/05	0845	3		X	X			X					X													06
✓ MW-7	2/4/05	0923	3		X	X			X					X													07
✓ MW-8	2/4/05	1033	3		X	X			X					X													08
✓ MW-9	2/4/05	0919	3		X	X			X					X													09

Sample Designation	Sampling		Container		Preservative				Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/86015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239-2) TOTAL (X) W.E.T. (X)	TAT	For Lab Use Only		
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER	SOIL																	
✓ MW-1	2/4/05	1016	3		X	X			X					X													01
✓ MW-2	2/4/05	1150	3		X	X			X					X													02
✓ MW-3	2/4/05	0940	3		X	X			X					X													03
✓ MW-4	2/4/05	1113	3		X	X			X					X													04
✓ MW-5	2/4/05	0955	3		X	X			X					X													05
✓ MW-6	2/4/05	0845	3		X	X			X					X													06
✓ MW-7	2/4/05	0923	3		X	X			X					X													07
✓ MW-8	2/4/05	1033	3		X	X			X					X													08
✓ MW-9	2/4/05	0919	3		X	X			X					X													09

Relinquished by: Douglas Hoff	Date	Time	Received by:	Remarks: STAT
Relinquished by:	Date	Time	Received by:	Email Copy to RDM
Relinquished by:	Date	Time	Received by Laboratory: B.A. B KIFF Analytical	
	Date	Time	Received by Laboratory:	Bill to: Rob Donovan/Tesoros Petro.

ENCLOSURE D

Historical Ground Water Monitoring Data

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-1	03/30/92	27,000		630	550	540	1,900
	07/01/92	55,000		840	1,000	830	3,600
	09/30/92	6,400		150	95	120	470
	11/19/92	1,300		90	11	50	87
	02/03/93	53,000		750	560	950	5,700
	05/25/93	9,400		200	86	470	1,500
	09/22/93	41,000		1,000	510	850	1,100
	12/21/93	41,000		1,000	490	2,700	13,000
	03/18/94	9,500		320	160	830	2,900
	06/15/94	8,000		310	80	990	2,300
	09/14/94	3,600		130	31	390	630
	12/19/94	17,000		350	150	1,500	5,200
	03/07/95	12,000		180	62	1,200	3,200
	06/08/95	6,300		76	8	560	860
	09/22/95	12,000		140	55	1,500	2,500
	12/27/95	3,900		60	13	480	870
	03/26/96	6,400		42	4.9	560	600
	06/13/96	9,600	<50	86	39	1,100	1,700
	09/10/96	16,000	<50	65	35	1,500	2,700
	12/05/96	6,400	<25	25	11	570	930
03/10/97	15,000	<50	42	<5.0	1,400	1,500	
06/12/97	16,000	<100	33	34	1,100	1,700	
08/19/97	17,000	<100	47	14	1,300	2,200	
12/13/97	5,800	<100	20	35	360	470	
MW-2	03/30/92	52,000		2,300	1,700	940	3,300
	07/01/92	130,000		3,500	2,900	1,900	7,900
	09/30/92	24,000		890	350	500	1,700
	11/19/92	32,000		1,900	1,700	870	3,400
	02/03/93	64,000		1,900	2,200	860	4,100
	05/25/93	34,000		3,300	1,500	1,300	5,900
	09/22/93	8,000		640	150	270	2,000
	12/21/93	18,000		1,500	410	1,300	5,000
	03/18/94	14,000		1,600	790	1,100	3,700
	06/15/94	13,000		1,600	580	1,200	4,100
	09/14/94	20,000		1,600	560	1,800	6,400
	12/19/94	19,000		1,700	750	1,600	5,800
	03/07/95	17,000		1,900	980	1,300	5,100
	06/08/95	19,000		2,100	740	1,500	4,900
	09/22/95	12,000		840	170	1,100	3,400
	12/27/95	16,000		1,100	540	1,400	5,100
	03/26/96	11,000		930	520	970	3,000
	06/13/96	11,000	1,200	1,800	1,400	1,500	4,500
	09/10/96	19,000	1,100	1,600	600	1,600	5,000
	12/05/96	12,000	180	650	180	1,000	2,800
03/10/97	6,800	69	430	95	590	1,800	
06/12/97	20,000	100	610	140	1,500	4,300	
08/19/97	3,600	<100	250	10	250	250	
12/13/97	8,300	75	370	150	450	1,600	

NOTES: < = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics					
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes	
MW-3	03/30/92	21,000		560	50	630	980	
	07/01/92	13,000		150	20	22	300	
	09/30/92	4,500		53	2.6	84	96	
	11/19/92	4,700		73	6.2	140	120	
	02/03/93	23,000		220	40	430	740	
	05/25/93	9,900		120	26	370	520	
	09/22/93	10,000		370	71	320	640	
	12/21/93	7,800		130	8.5	430	380	
	03/18/94	3,100		22	1.3	78	41	
	06/15/94	1,700		8.6	1.4	22	15	
	09/14/94	1,400		3.8	<1.3	13	18	
	12/19/94	3,800		70	1.7	140	110	
	03/07/95	2,200		9.4	<1.3	30	21	
	06/08/95	1,700		5.8	<1.3	2.3	14	
	09/22/95	1,200		<1.3	<1.3	1.3	<1.3	
	12/27/95	1,300		2.4	<1.3	3.3	3.6	
	03/26/96	1,200		4.3	<1.3	4.2	2	
	06/13/96	1,300		28	5.1	<0.50	21	6.5
	09/10/96	810		<5.0	1.4	4.8	1.6	2.1
	12/05/96	590		<5.0	<0.50	3.2	0.79	0.52
03/10/97	650		<5.0	0.73	3.8	2.4	1.6	
06/12/97	710		<5.0	<0.50	3.5	2.9	3.6	
08/19/97	1,400		13	2.2	0.58	11	34	
12/13/97	810		<5.0	0.96	<0.50	0.54	1.8	
MW-4	03/30/92	76,000		8,000	4,400	730	2,500	
	07/01/92	95,000		6,900	2,200	70	880	
	09/30/92	58,000		7,100	1,500	650	2,700	
	11/19/92	33,000		5,500	840	400	1,400	
	02/03/93	130,000		8,200	6,700	940	4,400	
	05/25/93	63,000		16,000	6,600	1,700	8,100	
	09/22/93	23,000		6,900	940	150	3,000	
	12/21/93	28,000		6,900	1,900	1,100	5,500	
	03/18/94	58,000		17,000	6,300	2,500	10,000	
	06/15/94	59,000		20,000	4,900	2,500	9,100	
	09/14/94	73,000		22,000	6,800	2,700	10,000	
	12/19/94	67,000		20,000	8,300	2,300	9,100	
	03/07/95	57,000		19,000	7,900	2,200	8,700	
	06/08/95	61,000		17,000	6,300	2,700	9,000	
	09/22/95	37,000		12,000	2,200	1,400	3,500	
	12/27/95	39,000		12,000	6,000	1,800	5,800	
	03/26/96	31,000		9,600	3,700	2,300	6,200	
	06/13/96	240		89	64	0.93	1.8	2.7
	09/10/96	91,000		2,900	13,000	20,000	3,200	16,000
	12/05/96	16,000		1,200	3,700	3,100	580	2,800
03/10/97	630		530	91	<0.50	<0.50	0.8	
06/12/97	36,000		1,100	4,600	5,300	1,200	5,500	
08/19/97	12,000		390	420	88	61	520	
12/13/97	4,800		360	560	740	130	1,100	

NOTES: < = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-5	03/30/92	29,000		2,600	980	390	1,100
	07/01/92	52,000		2,400	1,000	5,200	2,000
	09/30/92	32,000		1,800	780	370	1,700
	11/19/92	7,800		1,000	280	120	370
	02/03/93	74,000		3,500	3,000	780	3,200
	05/25/93	57,000		7,900	4,700	1,900	7,800
	09/22/93	52,000		7,600	2,400	1,200	8,800
	12/21/93	23,000		3,600	1,200	970	3,600
	03/18/94	47,000		8,200	5,000	1,400	6,100
	06/15/94	28,000		7,900	4,000	1,200	5,200
	09/14/94	32,000		8,000	5,100	1,400	5,600
	12/19/94	29,000		7,000	3,400	1,200	5,200
	03/07/95	36,000		9,800	5,800	1,800	7,800
	06/08/95	33,000		7,700	3,800	1,500	6,200
	09/22/95	39,000		9,500	3,800	1,900	7,000
	12/27/95	42,000		9,700	5,000	2,200	8,800
	03/26/96	37,000		9,800	4,900	2,300	8,800
	06/13/96	18,000	1,400	5,500	2,200	1,500	5,300
	09/10/96	22,000	860	5,600	1,400	1,100	3,500
	12/05/96	24,000	650	5,100	2,500	1,400	4,700
03/10/97	28,000	760	6,800	2,700	1,300	5,700	
06/12/97	49,000	700	7,500	3,200	2,300	9,200	
08/19/97	24,000	1,600	4,700	990	1,400	4,500	
12/13/97	18,000	360	2,700	760	630	4,200	
MW-6	03/30/92	73		2.1	1.1	ND	0.6
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		0.73	ND	ND	0.58
	11/19/92	96		1.5	<0.5	<0.5	0.9
	02/03/93	73		0.6	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	10/11/93	<50		<0.5	<0.5	<0.5	<0.5
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
03/10/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	

NOTES: < = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-7	03/30/92	ND		ND	ND	ND	ND
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		ND	ND	ND	ND
	11/19/92	<50		<0.5	<0.5	<0.5	<0.5
	02/03/93	<50		<0.5	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	09/22/93	<50		0.51	0.82	<0.5	0.81
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
03/07/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50	
MW-8	03/30/92	3,000		1,700	880	970	1,900
	07/01/92	72,000		1,800	550	520	2,200
	09/30/92	12,000		680	140	140	560
	11/19/92	9,600		530	310	130	560
	02/03/93	44,000		1,500	1,300	490	2,300
	05/25/93	7,400		580	160	170	480
	09/22/93	2,400		490	45	37	140
	12/21/93	1,400		240	7.5	<2.5	82
	03/18/94	8,600		1,600	680	470	1,900
	06/15/94	4,800		980	380	260	1,200
	09/14/94	6,600		1,200	280	330	1,100
	12/19/94	8,400		1,800	390	500	2,000
	03/07/95	7,400		1,400	370	440	2,000
	06/08/95	6,000		790	220	290	1,400
	09/22/95	4,100		750	93	230	860
	12/27/95	5,400		860	140	350	1,400
	03/26/96	1,700		180	27	100	370
	06/13/96	2,400	42	500	67	220	850
	09/10/96	7,000	<50	1,300	100	410	1,600
	12/05/96	6,300	<50	1,100	78	410	1,600
03/07/97	6,500	<130	840	67	330	1,500	
06/12/97	7,500	<50	1,000	79	390	1,400	
08/19/97	1,100	<20	170	14	38	220	
12/13/97	4,100	24	300	29	190	860	

NOTES: < = Below indicated detection limit
 ND = Reported as "nondetect" by previous consultant.
 NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-9	12/20/94	16,000		2,500	1,400	690	2,800
	03/07/95	5,200		1,600	250	320	520
	06/08/95	4,900		1,000	98	300	200
	09/22/95	4,000		1,100	82	190	200
	12/27/95	2,800		960	100	200	250
	03/26/96	1,600		380	44	96	110
	06/13/96	1,800	750	540	71	140	180
	09/10/96	2,400	810	860	70	190	210
	12/05/96	5,500	960	2,100	420	380	720
	03/07/97	4,200	720	1,300	170	260	440
	06/12/97	11,000	1,000	2,500	490	560	1,300
	08/19/97	42,000	<1,000	7,700	3,500	2,000	8,300
	12/13/97	13,000	710	1,300	280	960	3,100

NOTES: < = Below indicated detection limit
 ND = Reported as "nondetect" by previous consultant.
 NS = Not sampled.

ENCLOSURE E

Remediation System Analytical Results



Report Number : 42102

Date : 2/1/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Vapor Samples
Project Name : Tesoro Station 67106
Project Number : 67106
P.O. Number : 67106

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



Analysis Summary

Report Number : 42102

Date : 2/1/2005

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

Project Name : Tesoro Station 67106
 Project Number : 67106

Sample Name			SVE - Inf		SVE - MID		SVE - Eff	
Sample Date			1/26/2005		1/26/2005		1/26/2005	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Diisopropyl ether (DIPE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-Butanol	EPA 8260B	ppmv	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ppmv	5.0	ND	5.0	ND	5.0	ND
Toluene - d8 (Surr)	EPA 8260B	%		100		102		102
4-Bromofluorobenzene (Surr)	EPA 8260B	%		93.6		97.3		96.3

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Jbel Kiff

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



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

Lab No. 42102 Page 1 of 1

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

Chain-of-Custody Record and Analysis Request

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

Phone No.: (916) 415-1134 FAX No.: (916) 415-1154
 Global ID: _____

Project Number: 67106 P.O. No.: 67106
 EDF Deliverable To (Email Address): _____

Project Name: Terra Station 67106
 Sampler Signature: [Signature]

Project Address: San Leandro, CA

Sample Designation	Sampling		Container		Preservative				Matrix	
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER	SOIL
SVE - Inf	1/21/05	10:40		X						
SVE - MID	1/21/05	10:38		X						
SVE - Eff	1/21/05	10X		X						

Analysis Request											TAT		
BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	12 hr/24 hr/48 hr/72 hr/1 wk
													For Lab Use Only
													01
													02
													03

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

Remarks: STAT

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

Relinquished by: _____ Date: 01/27/05 Time: 11:08 Received by Laboratory: [Signature]

Bill to: Terra Petroleum / Rob Dammann



Report Number : 42553

Date : 3/1/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Vapor Samples
Project Name : Tesoro Station 67106
Project Number : 67106
P.O. Number : 67106

Dear Mr. Munsch,

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Analysis Summary

Report Number : 42553

Date : 3/1/2005

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

Project Name : Tesoro Station 67106
 Project Number : 67106

Sample Name			SVE-Inf		SVE-MID		SVE-Eff	
Sample Date			2/27/2005		2/27/2005		2/27/2005	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Diisopropyl ether (DIPE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-Butanol	EPA 8260B	ppmv	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ppmv	5.0	ND	5.0	ND	5.0	ND
Toluene - d8 (Surr)	EPA 8260B	%		101		100		100
4-Bromofluorobenzene (Surr)	EPA 8260B	%		100		99.3		101

MRL = Method Reporting Limit
 ND = Not Detected

Approved By,

Jbel Kiff

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



Report Number : 42983

Date : 3/29/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 3 Vapor Samples
Project Name : Tesoro Station 67106
Project Number : 67106
P.O. Number : 67106

Dear Mr. Munsch,

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff". The signature is stylized and written over the printed name below it.

Joel Kiff



Analysis Summary

Report Number : 42983

Date : 3/29/2005

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

Project Name : Tesoro Station 67106
 Project Number : 67106

Sample Name			SVE-Inf		SVE-MID		SVE-Eff	
Sample Date			3/24/2005		3/24/2005		3/24/2005	
Analyte	Method	Units	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Toluene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethylbenzene	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Total Xylenes	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Diisopropyl ether (DIPE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ppmv	0.050	ND	0.050	ND	0.050	ND
Tert-Butanol	EPA 8260B	ppmv	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ppmv	5.0	ND	5.0	ND	5.0	ND
Toluene - d8 (Surr)	EPA 8260B	%		95.3		95.6		94.9
4-Bromofluorobenzene (Surr)	EPA 8260B	%		88.1		89.0		87.4

MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff

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

ELAP # 2236

