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May 31, 2001

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

JUN 15 2001

Subject: *Quarterly Ground Water Monitoring and
Remediation System Status Report, First Quarter 2001*
Beacon Station No. 3721
44 Lewelling Boulevard
San Lorenzo, California
Doulos Project No. 00-3721

Dear Ms. Chu:

This report describes quarterly ground water monitoring and remediation system activities conducted during the **First Quarter 2001**.

STATUS OF GROUND WATER MONITORING

Doulos Environmental, Inc. (Doulos) has been authorized by Ultramar Inc. to perform quarterly ground water monitoring and remediation system oversight for the subject site. This report describes quarterly ground water monitoring and remediation system status for the **First Quarter 2001**.

Cumulative ground water sampling information is summarized in Table 1. A site location map, site detail map, ground water elevation map and concentration map are shown on Figures 1 through 4, respectively. The site History is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results are included in Enclosure C.

- Local ground water flows towards recovery well RW-1 and historical ground water flow direction is to the southwest.

Work Performed During the First Quarter 2001:

- Doulos performed ground water sampling on **February 26, 2001**

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly on a remediation system consisting of ground water treatment, soil vapor extraction (SVE) and air sparging components. Details of system performance and cumulative totals are tabulated in Tables 2 through 4. A process flow diagram showing details of the system is shown as Figure 5.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **First Quarter 2001** on:
 - **January 4 and 19, 2001**
 - **February 15 and 23, 2001**
 - **March 1 and 23, 2001**

Ground Water Extraction System Performance:

- The Ground Water Treatment System operated intermittently during the **First Quarter 2001**.
- During the **First Quarter 2001**, the ground water system processed **50,060** gallons.
As of **March 23, 2001**, the ground water system has processed approximately **268,970** gallons.
- The ground water totalizer was replaced on **January 19, 2001**.
- The ground water system performance data is included in Table 2 and the remediation system analytical results are included in Enclosure D.
- Ground water is extracted from recovery well RW-1.

Soil Vapor Extraction System Performance:

- The SVE system operated continuously during the **First Quarter 2001**.
- During the **First Quarter 2001**, the SVE system removed **11.3** pounds of vapor equivalent gasoline.
- As of **March 01, 2001**, the SVE system has removed approximately **36.5** pounds (**5.9** gallons) of vapor equivalent gasoline.
- The SVE analytical results are included in Table 3 and the SVE system performance data is included in Table 4. The remediation system analytical results are included in Enclosure D.
- Soil vapor are extracted from MW-3 and RW-1.

Air Sparging System Performance:

- The Air Sparging system operated continuously during the **First Quarter 2001**.
- Air sparging is being conducted on monitoring wells MW-2 and MW-4 and air sparging wells AS-1, AS-2 and AS-3.
- The air compressor is on a 50/50 duty cycle.

CONCLUSIONS/RECOMMENDATIONS


Doulos recommends continued operation of the remediation system and quarterly ground water monitoring.

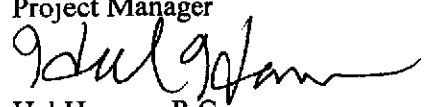
The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices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

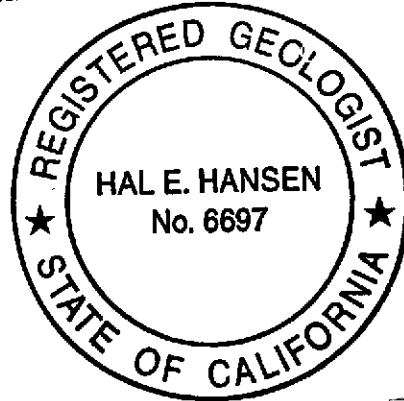
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If you have any questions concerning this project, please contact Richard Munsch at (916) 771-7099.

DOULOS ENVIRONMENTAL, INC.


Richard D. Munsch
Project Manager


Hal Hansen, R.G.
California Registered Geologist No. 6697



RDM (3721 1Q GWM 2-26-01)

cc: Mr. Joe Aldridge – Ultramar Inc.
Ms. Susan Keach – Oro Loma Sanitary District
Mr. Steven Ritchie – California Regional Water Quality Control Board
San Francisco Bay Region

Enclosures:

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

TABLE 1

GROUND WATER MONITORING DATA

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

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

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MW-1	05/28/98	43.67	NM	NC	120	<10	39	55	7,800	9,300	No free product or sheen
(Cont.)	08/19/98		14.58	29.09	12	<2.5	6.0 ^c	3.8 ^c	<250 ^c	2,200	No free product or sheen
	11/17/98		15.39	28.28	8.3	<2.5	9.2	7.6	860	4,200	No free product or sheen
	02/18/99		13.52	30.15	2.7	<2.5	<2.5	3.9	310	4,200	No free product or sheen
	06/24/99		15.02	28.65	10	<2.5	12	6.5	860	3,400	No free product or sheen
	08/30/99		15.87	27.80	2.0	<0.5	3.9	2.0	140	2,800	No free product or sheen
	11/09/99		16.65	27.02	<0.5	<0.5	3.1	2.0	170	1,500	No free product or sheen
	03/22/00		13.96	29.71	2.8	<2.0	3.6	<2.0	<200	1,200	No free product or sheen
	06/12/00		15.23	28.44	1.3	<1.0	<1.0	<1.0	190	640	No free product or sheen
	11/15/00		17.05	26.62	<1.0	<0.1	<1.0	<1.0	240	960	No free product or sheen
	02/26/01		15.46	28.21	1.2	<1.0	<1.0	<1.0	<100	2,800	No free product or sheen

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MW-2	02/18/92	43.09	16.65	26.44	<0.5	<0.5	1.9	<0.5	1,600	NA	
	05/14/92		16.64	26.45	1.2	1	1.3	<0.5	740	NA	
	08/27/92		16.61	26.28	6.5	1.1	0.6	<0.5	1,400	NA	
	11/19/92		19.91	23.18	<0.5	<0.5	2.7	<0.5	360	NA	
	02/03/93		15.23	27.86	1.2	1.6	4.5	6.4	590	NA	
	06/23/93		15.55	27.54	<0.5	<0.5	0.52	0.5	160	NA	No free product or sheen
	09/22/93		17.22	25.87	<0.5	0.59	1.2	0.59	290	NA	No free product or sheen
	01/24/94		17.20	25.89	<0.5	<0.5	0.68	<0.5	330	NA	
	04/07/94		16.26	26.83	<0.5	<0.5	<0.5	4.4	490	NA	No free product or sheen
	06/07/94		16.46	26.63	<0.5	<0.5	1.5	<0.5	550	NA	No free product or sheen
	09/28/94		18.06	25.03	<0.5	<0.5	<0.5	<0.5	190	NA	No free product or sheen
	12/14/94		16.86	26.23	7.2	0.84	<0.5	<0.5	1,400	NA	No free product or sheen
	03/15/95		14.08	29.01	39	<0.5	0.53	<0.5	730	NA	No free product or sheen
	06/13/95		14.67	28.42	8.3	<0.5	<0.5	<0.5	750 ^a	NA	No free product or sheen
	09/28/95		16.07	27.02	<0.5	<0.5	<0.5	<0.5	670 ^a	NA	No free product or sheen
	12/28/95		16.46	26.63	9.5	<5.0	<5.0	5.2	3,100	4,600	No free product or sheen
	03/12/96		13.11	29.98	<1.3	<1.3	<1.3	<1.3	710	3,200	No free product or sheen
	06/11/96		14.14	28.95	1.6	<1.3	<1.3	<1.3	1,900 ^a	5,100	No free product or sheen
	10/02/96		15.71	27.38	<2.5	<2.5	<2.5	<2.5	2,800	7,900	No free product or sheen
	01/28/97		12.05	31.04	<0.5	<0.5	<0.5	<0.5	130	210	No free product or sheen
	05/20/97		14.65	28.44	120	16	<2.5	4.0	1,400	390	No free product or sheen
	08/18/97		16.00	27.09	<2.5	<2.5	<2.5	<2.5	<250	2,000	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		16.75	26.34	<2.5	<2.5	<2.5	<2.5	<250	2,900/2,900 ^b	No free product or sheen
	03/31/98		11.54	31.55	<0.5	<0.5	<0.5	<0.5	<10,000	85,000	No free product or sheen
	05/26/98		12.78	30.31	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<500	<500	<500	<500	<50,000	97,000	No free product or sheen
	08/19/98		14.40	28.69	<0.5	<0.5	<0.5	<0.5	210	22,000	No free product or sheen
	11/17/98		15.18	27.91	<0.5	<0.5	<0.5	<0.5	<50	17,000	No free product or sheen

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MW-2	02/18/99	43.09	14.07	29.02	<0.5	<0.5	<0.5	<0.5	<50	13,000	No free product or sheen
(Cont.)	06/24/99		14.70	28.39	<15	<0.5	<0.5	<0.5	180	39,000	No free product or sheen
	08/30/99		15.46	27.63	<25	<25	<25	<25	<2,500	18,000	No free product or sheen
	11/09/99		16.03	27.06	<5.0	<5.0	<5.0	<5.0	<500	14,000	No free product or sheen
	03/22/00		13.05	30.04	<5.0	<5.0	<5.0	<5.0	<500	54,000	No free product or sheen
	06/12/00		14.50	28.59	<20	<20	<20	<20	<2,000	53,000	No free product or sheen
	11/15/00		16.28	26.81	<50	<50	<50	<50	<5,000	35,000	No free product or sheen
	02/26/01		14.98	28.11	<20	<20	<20	<20	<2,000	2,800	No free product or sheen

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

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MW-3	03/31/98	43.10	11.55	31.55	1,800	600	410	1,400	12,000	510	No free product or sheen
(Cont.)	05/26/98		12.80	30.30	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	1,500	400	280	870	6,500	480	No free product or sheen
	08/19/98		14.27	28.83	130	11	24	60	1,400	140	No free product or sheen
	11/17/98		15.11	27.99	48	3.5	9.9	14	510	120	No free product or sheen
	02/18/99		13.30	29.80	67	28	24	81	690	88	No free product or sheen
	06/24/99		14.44	28.66	27	21	8.6	32	540	61	No free product or sheen
	08/30/99		15.05	28.05	12	12	3.2	13	250	50	No free product or sheen
	11/09/99		15.72	27.38	9.8	5.3	3.4	10	230	48	No free product or sheen
	03/22/00		13.21	29.89	180	47	46	100	1,500	80	No free product or sheen
	06/12/00		14.31	28.79	100	6.2	20	25	920	76	No free product or sheen
	11/15/00		16.13	26.97	280	5.0	21	20	1,100	140	No free product or sheen
	02/26/01		14.48	28.62	14	4.3	3.1	11	140	230	No free product or sheen

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MW-4	02/18/92	44.66	18.51	26.15	<0.5	<0.5	12	21	5,100	NA	
	05/14/92		18.22	26.44	<0.5	5.6	1.8	2.2	4,600	NA	
	08/27/92		20.47	24.19	NS	NS	NS	NS	NS	NS	
	08/28/92		NM	NC	6.6	1.3	1.6	3.1	1,700	NA	
	11/19/92		21.58	23.08	<0.5	<0.5	<0.5	<0.5	400	NA	
	02/03/93		16.98	27.68	<0.5	<0.5	<0.5	<0.5	1,100	NA	
	06/23/93		17.23	27.43	<0.5	<0.5	<0.5	<0.5	120	NA	No free product or sheen
	09/22/93		18.83	25.83	<0.5	<0.5	<0.5	<0.5	110	NA	No free product or sheen
	01/24/94		18.86	25.80	<0.5	<0.5	<0.5	<0.5	260	NA	
	04/07/94		17.90	26.76	<0.5	<0.5	<0.5	<0.5	430	NA	No free product or sheen
	06/07/94		18.08	26.58	<0.5	<0.5	<0.5	<0.5	150	NA	No free product or sheen
	09/28/94		19.70	24.96	<0.5	<0.5	<0.5	<0.5	75	NA	No free product or sheen
	12/14/94		18.55	26.11	<0.5	<0.5	<0.5	<0.5	160	NA	No free product or sheen
	03/15/95		16.14	28.52	<0.5	<0.5	<0.5	<0.5	500	NA	No free product or sheen
	06/13/95		16.41	28.25	<0.5	<0.5	<0.5	<0.5	210 ^a	NA	No free product or sheen
	09/28/95		17.88	26.78	<0.5	<0.5	<0.5	<0.5	140 ^a	NA	No free product or sheen
	12/28/95		17.81	26.85	<0.5	<0.5	<0.5	<0.5	510 ^a	<5.0	No free product or sheen
	03/12/96		14.77	29.89	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/11/96		15.88	28.78	<0.5	<0.5	<0.5	<0.5	50 ^a	<5.0	No free product or sheen
	10/02/96		17.40	27.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	01/28/97		14.11	30.55	<0.5	<0.5	<0.5	<0.5	270 ^a	<5.0	No free product or sheen
	05/20/97		16.24	28.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	08/18/97		17.59	27.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		18.24	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 ^b	No free product or sheen
	03/31/98		13.61	31.05	<0.5	<0.5	<0.5	<0.5	110	<5.0	No free product or sheen
	05/26/98		14.78	29.88	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	94	<5.0	No free product or sheen
	08/19/98		16.15	28.51	<0.5 ^c	<0.5 ^c	<0.5 ^c	<0.5 ^c	120 ^c	46 ^c	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-4	11/17/98	44.66	16.93	27.73	1.3	<0.5	<0.5	<0.5	<50	780	No free product or sheen
(Cont.)	02/18/99		15.30	29.36	8.2	<0.5	<0.5	<0.5	130	240	No free product or sheen
	06/24/99		16.35	28.31	<1.0	<0.5	<0.5	<0.5	<50	2,100	No free product or sheen
	08/30/99		17.12	27.54	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.60	27.06	<0.5	<0.5	<0.5	<0.5	<50	2,500	No free product or sheen
	03/22/00		14.98	29.68	<0.5	<0.5	<0.5	<0.5	69	12,000	No free product or sheen
	06/12/00		16.26	28.40	<20	<20	<20	<20	<2,000	17,000	No free product or sheen
	11/15/00		17.98	26.68	<1.0	<1.0	<1.0	<1.0	<100	17,000	No free product or sheen
	02/26/01		16.31	28.35	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-5	02/18/92	43.79	17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	NA	
	05/14/92		17.29	26.50	<0.5	<0.05	<0.5	<0.5	<50	NA	
	08/27/92		22.18	21.61	<0.5	<0.5	<0.5	<0.5	<50	NA	
	11/19/92		20.68	23.11	<0.5	<0.5	<0.5	<0.5	<50	NA	
	02/03/93		15.91	27.88	3.0	2.7	8.0	9.9	55	NA	
	06/23/93		16.24	27.55	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	09/22/93		17.93	25.86	0.66	1.1	<0.5	0.6	<50	NA	No free product or sheen
	01/24/94		17.82	25.97	<0.5	<0.5	<0.5	<0.5	<50	NA	
	04/07/94		16.91	26.88	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	06/07/94		17.10	26.69	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	09/28/94		18.73	25.06	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	12/14/94		17.53	26.26	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	03/15/95		14.96	28.83	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	06/13/95		15.30	28.49	<0.5	0.52	<0.5	<0.5	<50	NA	No free product or sheen
	09/28/95		16.74	27.05	<0.5	<0.5	<0.5	<0.5	<50	NA	No free product or sheen
	12/28/95		15.10	28.69	<0.5	<0.5	<0.5	<0.5	120	<5.0	No free product or sheen
	03/12/96		13.67	30.12	<0.5	<0.5	<0.5	<0.5	<50	9	No free product or sheen
	06/11/96		14.88	28.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	10/02/96		16.42	27.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	01/28/97		12.83	30.96	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	05/20/97		15.33	28.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	08/18/97		16.69	27.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		17.37	26.42	<0.5	<0.5	<0.5	<0.5	<50	<5.0/<0.5 ^b	No free product or sheen
	03/31/98		12.40	31.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	05/26/98		13.62	30.17	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	08/19/98		15.19	28.60	<0.5	<0.5	<0.5	<0.5	<50	7	No free product or sheen
	11/17/98		15.89	27.90	<0.5	<0.5	<0.5	<0.5	<50	6	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-5	02/18/99	43.79	14.23	29.56	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		15.29	28.50	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		16.07	27.72	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		16.61	27.18	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.81	29.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/12/00		15.08	28.71	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.71	27.08	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		15.05	28.74	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-6	11/17/98	42.47	14.53	27.94	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	02/18/99		12.39	30.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/24/99		13.89	28.58	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.75	27.72	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.18	27.29	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		12.30	30.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/12/00		13.69	28.78	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.73	26.74	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.42	28.05	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-7	02/18/92	41.54	15.51	26.03	16	<0.5	10	16	670	NA	
	05/14/92		15.41	26.13	44	<0.5	38	88	1,500	NA	
	08/27/92		17.45	24.09	400	5.8	290	1,400	23,000	NA	
	11/19/92		18.54	23.00	29	<0.5	10	53	330	NA	
	02/03/93		14.10	27.44	200	<0.5	110	480	2,000	NA	
	06/23/93		14.33	27.21	20	<0.5	16	16	280	NA	No free product or sheen
	09/22/93		15.92	25.62	71	2.2	33	210	860	NA	No free product or sheen
	01/24/94		16.07	25.47	61	<1.3	10	160	900	NA	
	04/07/94		15.10	26.44	53	<0.5	7.1	49	630	NA	
	06/07/94		15.16	26.38	55	<0.5	14	24	730	NA	No free product or sheen
	09/28/94		16.82	24.72	21	<0.5	2.3	3.1	300	NA	No free product or sheen
	12/14/94		15.75	25.79	19	<0.5	3.3	32	430	NA	No free product or sheen
	03/15/95		14.00	27.54	0.88	<0.5	<0.5	<0.5	70	NA	No free product or sheen
	06/13/95		13.44	28.10	7.3	0.79	7.6	8.9	190	NA	No free product or sheen
	09/28/95		14.84	26.70	1.5	<0.5	1.2	0.84	60	NA	No free product or sheen
	12/28/95		14.55	26.99	<0.5	<0.5	0.91	0.69	60	10	No free product or sheen
	03/12/96		11.88	29.66	<0.5	<0.5	<0.5	<0.5	<50	11	No free product or sheen
	06/11/96		13.52	28.58	<0.5	<0.5	<0.5	<0.5	79	16	No free product or sheen
	10/02/96		14.50	27.04	<0.5	<0.5	<0.5	<0.5	<50	26	No free product or sheen
	01/28/97		11.08	30.46	<0.5	<0.5	<0.5	<0.5	<50	13	No free product or sheen
	05/20/97		13.46	28.08	<0.5	0.85	<0.5	<0.5	78	40	No free product or sheen
	08/18/97		14.95	26.59	<0.5	<0.5	<0.5	<0.5	<50	18	No free product or sheen
	09/29/97		NM	NC	NS	NS	NS	NS	NS	NS	Not measured
	11/05/97		15.43	26.11	<0.5	<0.5	<0.5	<0.5	<50	8.9/8.0 ^b	No free product or sheen
	03/31/98		10.25	31.29	<0.5	<0.5	<0.5	1.3	<5.0	6	No free product or sheen
	05/26/98		11.45	30.09	NS	NS	NS	NS	NS	NS	No free product or sheen
	05/28/98		NM	NC	<0.5	<0.5	<0.5	<0.5	<50	10	No free product or sheen
	08/19/98		13.08	28.46	<0.5	<0.5	<0.5	<0.5	<50	27	No free product or sheen
	11/17/98		13.93	27.61	<0.5	<0.5	<0.5	<0.5	<50	30	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-7	02/18/99	41.54	12.16	29.38	<0.5	<0.5	<0.5	<0.5	51	22	No free product or sheen
(Cont.)	06/24/99		13.35	28.19	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		14.23	27.31	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		14.60	26.94	<0.5	<0.5	<0.5	<0.5	<50	16	No free product or sheen
	03/22/00		11.91	29.63	<0.5	<0.5	<0.5	<0.5	<50	18	No free product or sheen
	06/12/00		13.28	28.26	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		15.12	26.42	<0.5	<0.5	<0.5	<0.5	<50	17	No free product or sheen
	02/26/01		13.46	28.08	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-8	02/18/99	42.26	13.41	28.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		14.35	27.91	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		15.16	27.10	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		15.61	26.65	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		13.17	29.09	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/12/00		14.19	28.07	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		16.04	26.22	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		12.99	29.27	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-9	02/18/99	44.94	15.74	29.20	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
(Cont.)	06/24/99		16.73	28.21	NS	NS	NS	NS	NS	NS	Not sampled
	08/30/99		17.48	27.46	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		17.98	26.96	NS	NS	NS	NS	NS	NS	Not sampled
	03/22/00		15.46	29.48	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No free product or sheen
	06/12/00		16.70	28.24	NS	NS	NS	NS	NS	NS	Not sampled
	11/15/00		18.65	26.29	NS	NS	NS	NS	NS	NS	Not Sampled
	02/26/01		14.80	30.14	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-10	08/19/98	42.34	14.27	28.07	95	160	1,300	1,700	14,000	<100	No free product or sheen
(Cont.)	11/17/98		15.08	27.26	82	64	590	150	7,500	290	No free product or sheen
	02/18/99		13.61	28.73	41	16	270	79	4,700	<100	No free product or sheen
	06/24/99		14.50	27.84	27	74	280	160	9,400	300	No free product or sheen
	08/30/99		15.26	27.08	15	33	160	33	8,500	290	No free product or sheen
	11/09/99		15.72	26.62	3.9	11	60	14	7,600	120	No free product or sheen
	03/22/00		13.40	28.94	3.5	33	360	320	5,800	160	No free product or sheen
	06/12/00		14.42	27.92	4.3	47	370	210	7,200	270	No free product or sheen
	11/15/00		16.75	25.59	0.54	2.2	3.8	7.3	4,400	420	No free product or sheen
	02/26/01		14.73	27.61	<1.0	2.5	24	13	5,000	860	No free product or sheen

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

Monitoring Well	Date	Top of Riser Elevation (ft)	Depth to Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-11	02/18/99	45.00	16.87	28.13	8.0	<0.5	1.4	<0.5	390	44	No free product or sheen
(Cont.)	06/24/99		17.50	27.50	4.6	<0.5	0.66	<0.5	610	59	No free product or sheen
	08/30/99		18.19	26.81	NS	NS	NS	NS	NS	NS	Not sampled
	11/09/99		18.64	26.36	0.87	<0.5	<0.5	<0.5	250	66	No free product or sheen
	03/22/00		16.52	28.48	<0.5	<0.5	<0.5	<0.5	330	100	No free product or sheen
	06/12/00		17.44	27.56	<0.5	<0.5	<0.5	<0.5	52	49	No free product or sheen
	11/15/00		19.07	25.93	<0.5	<0.5	<0.5	<0.5	<50	1.8	
	02/26/01		17.80	27.20	NS	NS	NS	NS	NS	NS	Not Sampled

TABLE 1

GROUND WATER MONITORING DATA

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

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

TABLE 1

GROUND WATER MONITORING DATA

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

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

^a Product is not typical gasoline.

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

^c Constituents by EPA Method 8260.

Top of Riser Elevations = Elevations surveyed by Aegis Environmental and are assumed relative to mean sea level.

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

NS = Not sampled.

NM = Not measured.

NC = Not calculated.

NA = Not analyzed.

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

Table 2
Ground Water System Performance Data Sheet
Beacon Station No. 3721

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter ($\mu\text{g/L}$)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	COD ^c	TSS ^d	
10/4/00	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/17/00	190,140	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/10/00	190,440	300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/29/00	200,600	10,460	Influent	14	<0.5	<0.5	1.1	96	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
12/7/00	201,010	410	Influent	14	<0.5	<0.5	<0.5	56	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
12/20/00	218,900	17,890	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/04/01	218,970	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/19/01	110	100	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
	*		Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
02/15/01	12,730	12,620	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/23/01	21,900	9,170	Influent	<0.5	<0.5	<0.5	<0.5	<50	240	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	7.3	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.4	<10	5.0	7.63

Table 2
Ground Water System Performance Data Sheet
Beacon Station No. 3721

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)						ppm		pH
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	COD ^c	TSS ^d	
03/01/01	22,260	360	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Dat-Eff	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-1	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Mid-2	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<10	<5.0	7.49
03/23/01	50,000	27,740	NS	NS	NS	NS	NS	NS	NS	NS	NS	

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

* = changed out totalizer

ppm = parts per million

Notes:

- a) Total Petroleum Hydrocarbon as gasoline
- b) Methyl-t-butyl ether
- c) C.O.D. = Chemical oxygen demand.
- d) T.S.S. = Total suspended solids.

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

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

Sample ID	Date Collected	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)	MTBE (ppmv)
Influent Air	04/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	04/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	04/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	05/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	05/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	05/10/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	06/08/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Mid Air	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Effluent Air	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0	NA
Influent Air	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent Air	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent Air	01/19/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	01/19/01	<0.05	<0.05	<0.05	0.053	<5.0	<0.10
Effluent Air	01/19/01	<0.05	<0.05	<0.05	0.071	<5.0	<0.10
Influent Air	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent Air	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Influent Air	03/01/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Mid Air	03/01/01	<0.05	<0.05	<0.05	<0.05	<5.0	<0.10
Effluent Air	03/01/01	<0.05	<0.05	<0.05	0.055	<5.0	<0.10

MTBE = methyl-t-butyl ether

TPH = Total Petroleum Hydrocarbons

ppmv = parts per million by volume

NA = not analyzed

TABLE 4

SVE SYSTEM MONITORING

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

Date	Inlet Flow Rate (ft ³ /min)	Stack Flow Rate (ft ³ /min)	SVE		SVE		SVE TPH Extraction Rate (lbs/day)	SVE TPH Mass Emission (lbs/day)	SVE		Cumulative Volume of Processed Air (cubic feet)	Cumulative		Total Hours Operated	Change in Hours of Operation
			TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)			Benzene Extraction Rate (lbs/day)	Benzene Emission Rate (lbs/day)		TPH Extraction (lbs)	TPH Extraction (lbs)		
04/07/00	105	105	<5.0	<5.0	<0.05	<0.05	<0.18	<0.18	<0.002	<0.002	5.53 E+05	0.7	NA	15,346	88
05/10/00	124	124	<5.0	<5.0	<0.05	<0.05	<0.21	<0.21	<0.002	<0.002	5.88 E+06	6.5	7.2	16,138	792
06/08/00	124	124	<5.0	<5.0	<0.05	<0.05	<0.21	<0.21	<0.002	<0.002	5.17 E+06	3.1	10.3	16,834	696
11/29/00	140	140	<5.0	<5.0	<0.05	<0.05	<0.24	<0.24	<0.002	<0.002	2.34 E+07	14.0	24.3	19,619	2,785
12/07/00	140	140	<5.0	<5.0	<0.05	<0.05	<0.24	<0.24	<0.002	<0.002	1.61 E+06	1.0	25.2	19,811	192
01/19/01	170	170	<5.0	<5.0	<0.05	<0.05	<0.29	<0.29	<0.002	<0.002	1.05 E+07	6.3	31.5	20,841	1,030
02/23/01	130	130	<5.0	<5.0	<0.05	<0.05	<0.22	<0.22	<0.002	<0.002	6.52 E+06	3.9	35.4	21,677	836
03/01/01	209	209	<5.0	<5.0	<0.05	<0.05	<0.36	<0.36	<0.003	<0.003	1.83 E+06	1.1	36.5	21,823	146

TPH = Total petroleum hydrocarbons.

ppmv = Parts per million by volume.



R.2 W.

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



QUADRANGLE LOCATION

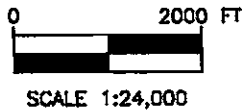
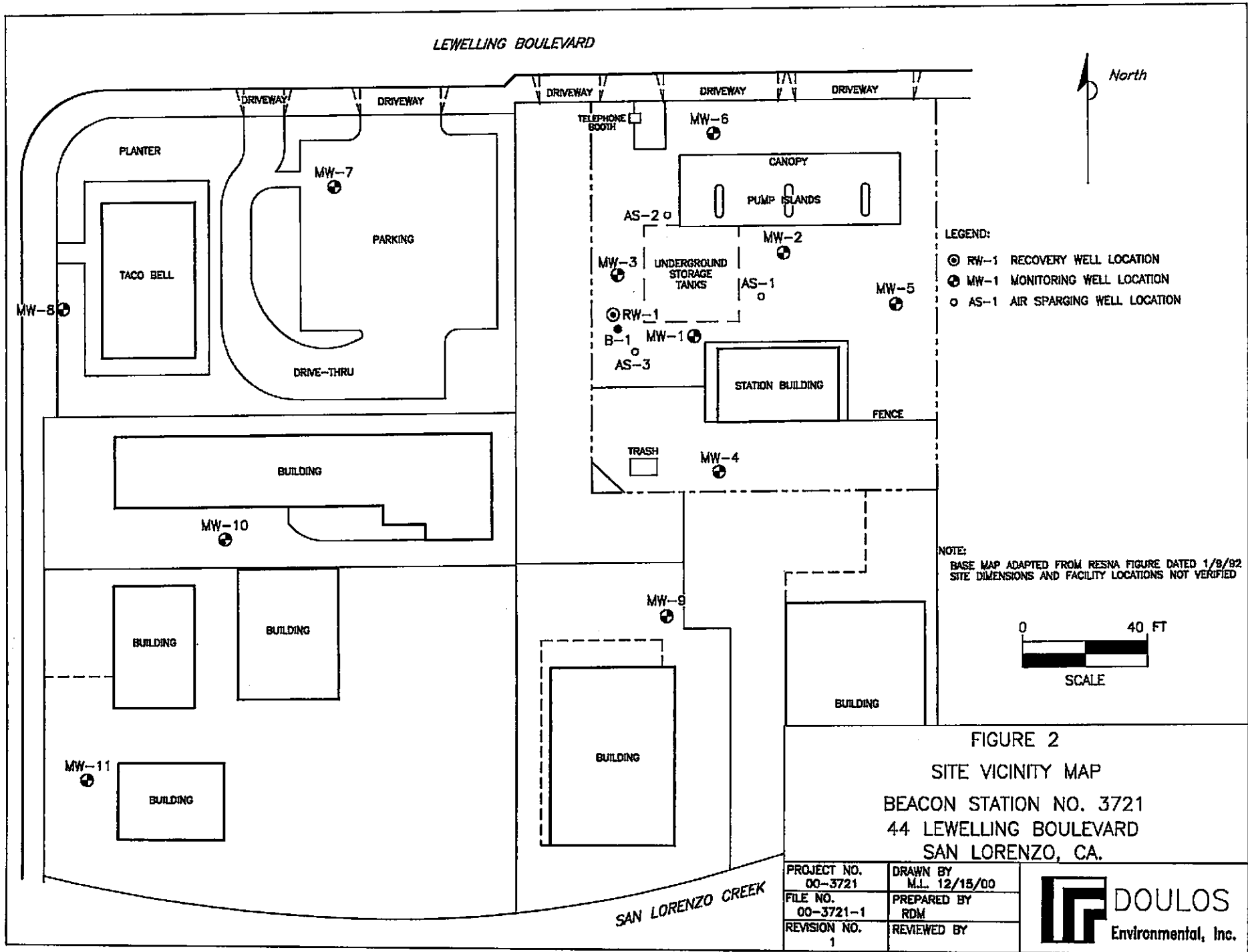
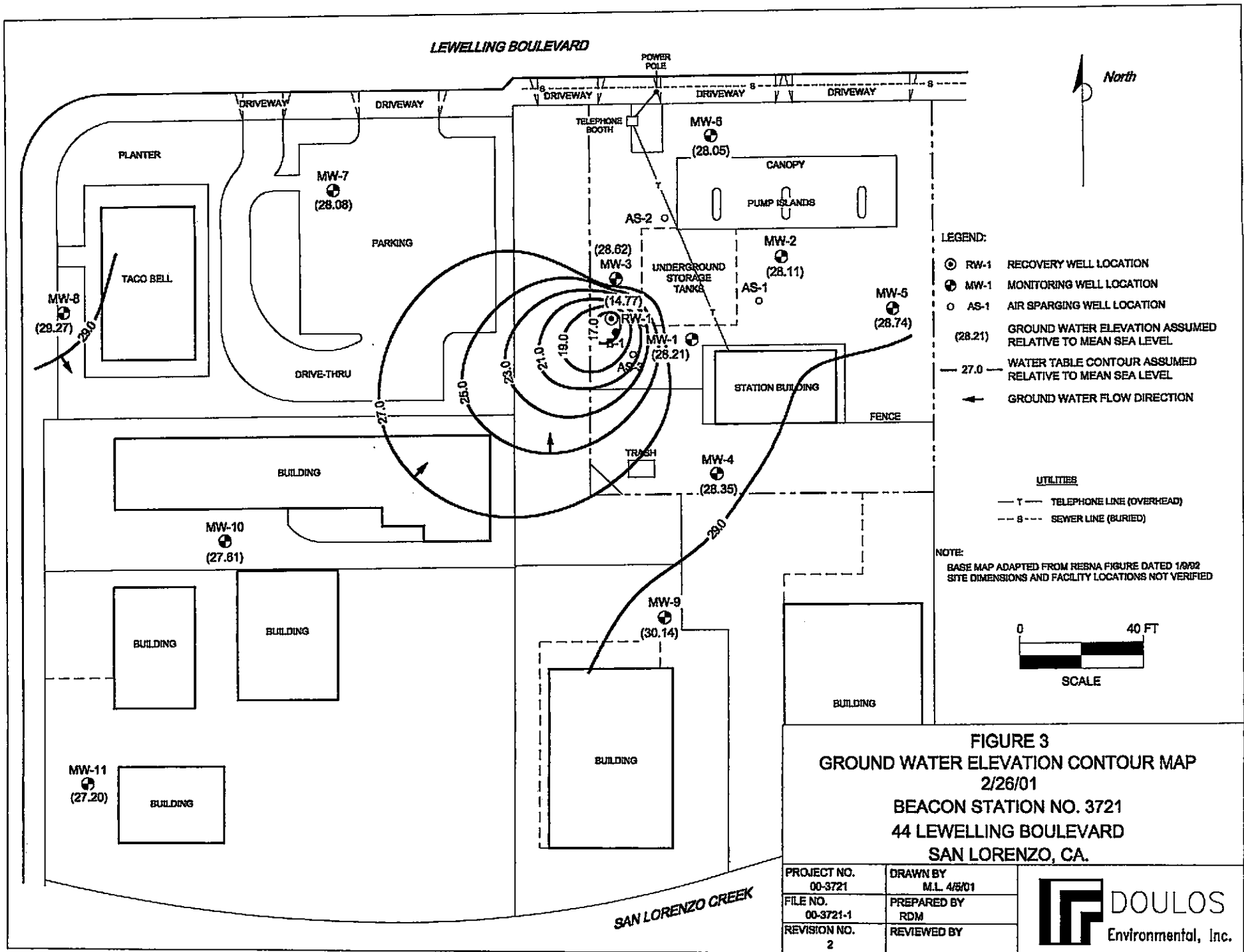


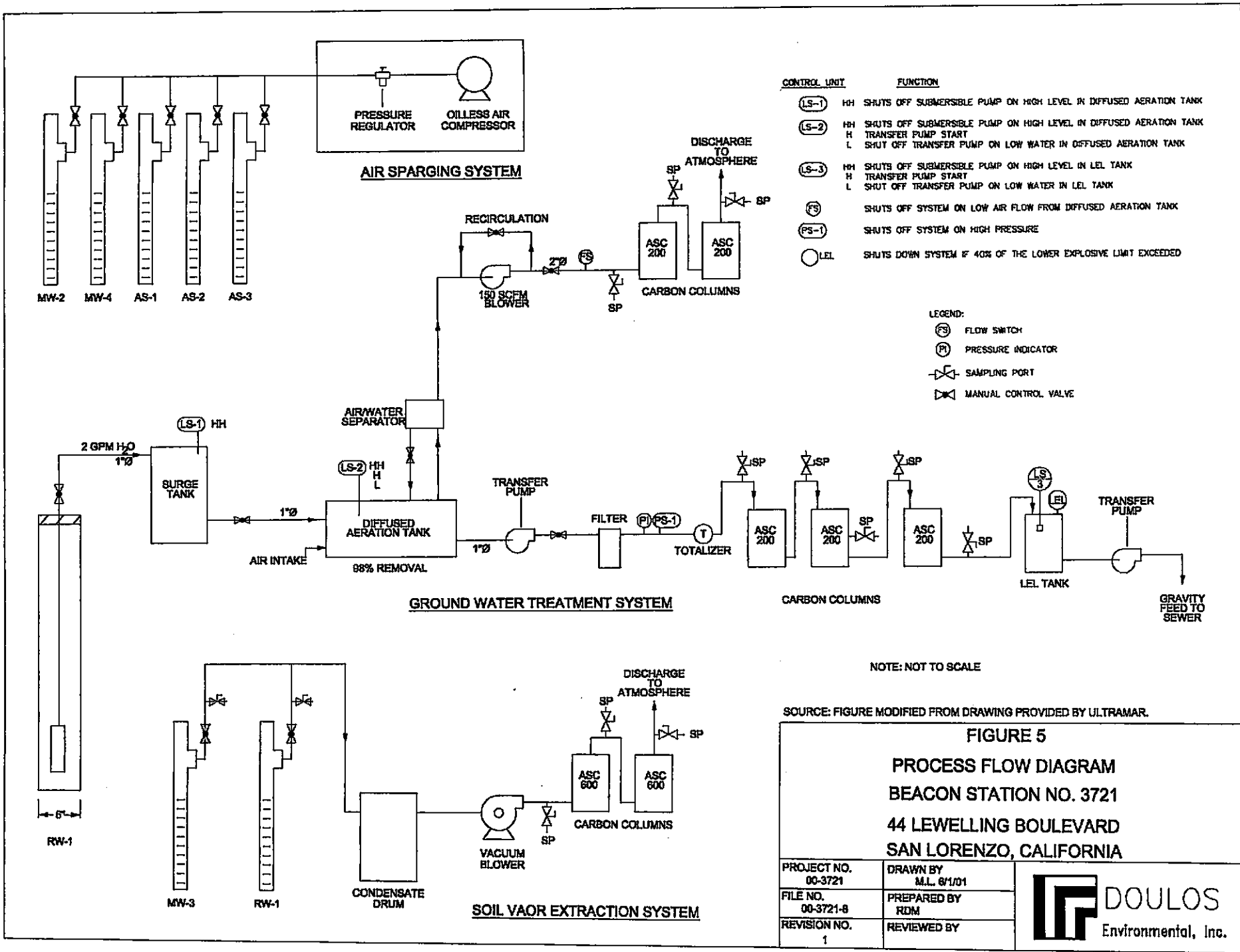
FIGURE 1
 SITE LOCATION MAP
 BEACON STATION NO. 3721
 44 LEWELLING BOULEVARD
 SAN LORENZO, CA.

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









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

LEGEND:

(FS)	FLOW SWITCH
(PI)	PRESSURE INDICATOR
(SP)	SAMPLING PORT
(MV)	MANUAL CONTROL VALVE

NOTE: NOT TO SCALE

SOURCE: FIGURE MODIFIED FROM DRAWING PROVIDED BY ULTRAMAR.

FIGURE 5
PROCESS FLOW DIAGRAM
BEACON STATION NO. 3721
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA

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

DOULOS
 Environmental, Inc.

ENCLOSURE A

Site Background Information

HISTORICAL BACKGROUND INFORMATION

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

PRE - ULTRAMAR INC.

- April 1987 - Three underground gasoline storage tanks were excavated and removed. Samples collected from beneath the former tanks indicated that hydrocarbons were present in the soil.
- May 1987 - Conoco installed three monitoring wells (MW-1 through MW-3). Hydrocarbons were detected in soil and ground-water samples collected from the wells. The site has been on a monitoring program since May 1987.
- December 1988 - Four additional wells (MW-4 through MW-7) were installed. Dissolved-phase hydrocarbons were detected in the new wells.
- September 1989 - Two additional wells (MW-8 and MW-9) were installed.

ULTRAMAR INC.

- July 1990 - Ultramar Inc purchased the site from Conoco. The monitoring program has continued
- March 14, 1991 - Work Plan for additional assessment submitted.
- October 1991 - Drilled two additional offsite wells (MW-10 and MW-11) southwest of the site and one onsite recovery well (RW-1).
- November 1991 - Performed ground-water pump test and vapor extraction test.
- April 1992 - Ultramar submitted an Interim Remediation Plan.
- June 1992 - Interim Remediation Plan was approved.
- March 1993 - Installed the subsurface piping for the remediation system.
- April 1993 - Completed installation of ground-water remediation system.
- June 1993 - Began operation.
- April 1993 - The ground-water extraction system began operation.
- March 1994 - The vapor extraction system began operation.
- June 8, 1994 - Obtained the Permit to Operate for the vapor extraction system.
- December 1995 - Installed an air sparging system.
- January 1997 - Discontinued to operate the remediation system. Approximately 1,184,392 gallons of ground water have been removed, treated, and discharged. Approximately 103 gallons of hydrocarbons have been removed the vapor extraction system.

CONTINUED NEXT PAGE

HISTORICAL BACKGROUND INFORMATION

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

ULTRAMAR INC. (continued)

- October 1997 - Drilled confirmation borings. Results indicate soil clean.
- June 1998 - The air sparging system was restarted.
- July 1999 - The ground water system was restarted.
- April 3, 2000 – The soil vapor extraction system was restarted.

ENCLOSURE B

Ground Water Sampling Information

DOULOS ENVIRONMENTAL COMPANY
GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet)

Project Address: 721 44 LEWELINE Blvd.

Date: 2-26-01

SAN LORENZO, CA

Project No.: 97-~~71~~-01

Recorded by: Hal Hansen

Well No	Time	Well Elev. -TOC	Depth to Gr. Water	Measured Total Depth	Gr. Water Elevation	Depth to Product	Product Thickness	Comments
MW-1	2:24		15.46	33.64				
MW-2	2:26		14.98	34.35				
MW-3	2:21		14.48	34.23				v.v.
MW-4	2:30		16.31	24.45				
MW-5	2:38		15.05	29.30				
MW-6	2:34		14.42	28.42				
MW-7	2:10		13.46	24.19				
MW-8	2:06		12.99	22.95				
MW-9	2:14		14.80	23.60				
MW-10	2:01		14.73	29.40				
MW-11	1:59		17.80	29.34				
RW-1	2:18		28.40	34.10				

Notes:

Client: Ultramar chree

Sampling Date: 2-26-01

Site: Beacon 721

Project No.: 00 721-01

44 Sewelling Blvd

Well Designation: MW-1

San Lorenzo

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

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

Sampled with: Disposable bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 2:24 Time: 3:50 Calculated purge: 11.6
 Depth of well: 33.64 Depth to water: 16.10 Actual purge: 11.6
 Depth to water: 15.46

Start purge: 3:40 Sampling time: 3:52

Time	Temp.	E.C.	pH	Turbidity	Volume
3:41	61.8	841	7.85	—	1
3:42	62.3	810	7.70	—	2
3:43	63.1	798	7.64	—	3
3:43	63.9	790	7.60	—	4

Sample appearance: Clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

Client: Ultramar chnc

Sampling Date: 2-26-01

Site: Beacon 721

Project No.: 00 721-01

44 Sewelling Blvd

Well Designation: MW-2

San Lorenzo

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

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

Sampled with: Disposable bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 2:26 Time: 4:12 Calculated purge: 12.3
 Depth of well: 34.35 Depth to water: 15.95 Actual purge: 12.3
 Depth to water: 14.98

Start purge: 4:00 Sampling time: 4:15

Time	Temp.	E.C.	pH	Turbidity	Volume
4:01	62.8	910	7.20	—	1
4:02	63.1	893	7.16	—	2
4:03	63.6	881	7.11	—	3
4:04	63.7	880	7.09	—	4

Sample appearance: Clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

Client: Ultramar chm

Sampling Date: 2-26-01

Site: Beacon 721

Project No.: 00 721-01

44 Sewelling Blvd

Well Designation: MW-3

San Lorenzo

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

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

Sampled with: Disposable bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Recharge Measurement

Time: 2:21 Time: 3:25 Calculated purge: 12.6
 Depth of well: 34.23 Depth to water: 16.10 Actual purge: 12.6
 Depth to water: 14.98

Start purge: 3:15 Sampling time: 3:26

Time	Temp.	E.C.	pH	Turbidity	Volume
3:16	64.1	999	7.22	—	1
3:16	64.7	998	7.16	—	2
3:17	65.0	990	7.13	—	3
3:18	65.3	970	7.12	—	4

Sample appearance: Clear Lock: 3753

Equipment replaced: (Check all that apply) Note condition of replaced item

2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

Client: Ultramar Inc.

Sampling Date: 2-26-01

Site: Beacon 721

Project No.: 00 721-01

44 Sewelling Blvd

Well Designation: MW-10

San Lorenzo

Is setup of traffic control devices required? NO YES time: _____ hours
 Is there standing water in well box? NO YES Above TOC Below TOC
 Is top of casing cut level? NO YES If no, see remarks
 Is well cap sealed and locked? NO YES If no, see remarks
 Height of well casing riser (in inches): 2
 Well cover type: 8" UV _____ 12" UV _____ 12" EMCO _____ 8" BK
 12" BK _____ 12" DWP _____ 12" CNI _____ 36" CNI _____ Other _____
 General condition of wellhead assembly: Excellent Good Fair Poor

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

Sampled with: Disposable bailer: Teflon bailer: _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.
Initial Measurement Recharge Measurement
 Time: 2:01 Time: 3:06 Calculated purge: 9.3
 Depth of well: 29.40 Depth to water: 16.50 Actual purge: 9.3
 Depth to water: 14.73

Start purge: 2:50 Sampling time: 3:08

Time	Temp.	E.C.	pH	Turbidity	Volume
2:51	62.3	890	7.50	—	1
2:59	63.0	860	7.38	—	2
2:53	63.1	859	7.33	—	3
2:55	63.4	850	7.30	—	4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

Client: Ultramar Inc

Sampling Date: 2-26-01

Site: Beacon 721

Project No.: 00 721-01

44 Sewelling Blvd

Well Designation: RW-1

San Lorenzo

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

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

Sampled with: Disposable bailer: Teflon bailer: _____

Well Diameter: 2" _____ 4" _____ 6" 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Time: 2:18 Recharge Measurement Time: NA
 Depth of well: 34.10 Depth to water: NA Calculated purge: _____
 Depth to water: 28.40 Actual purge: NA

Start purge: NA Sampling time: 3:35

Time	Temp.	E.C.	pH	Turbidity	Volume

Sample appearance: Clear Lock: NA

Equipment replaced: (Check all that apply) Note condition of replaced item
 2" Locking Cap: _____ Lock #3753: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

ENCLOSURE C

**Ground Water Monitoring
Analytical Results**



Report Number : 19431

Date : 03/14/2001

Hal Hansen
Doulos Environmental
1537 Pine Valley Circle
Roseville, CA 95661

Subject : 5 Water Samples
Project Name : SAN LORENZO 721
Project Number :
P.O. Number : 3721-67

Dear Mr. Hansen,

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 : 19431

Date : 03/14/2001

Project Name : **SAN LORENZO 721**

Project Number :

Sample : **MW-1**

Matrix : Water

Lab Number : 19431-01

Sample Date :02/26/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.2	1.0	ug/L	EPA 8260B	03/08/2001
Toluene	< 1.0	1.0	ug/L	EPA 8260B	03/08/2001
Ethylbenzene	< 1.0	1.0	ug/L	EPA 8260B	03/08/2001
Total Xylenes	< 1.0	1.0	ug/L	EPA 8260B	03/08/2001
Methyl-t-butyl ether (MTBE)	2800	10	ug/L	EPA 8260B	03/09/2001
TPH as Gasoline	< 100	100	ug/L	EPA 8260B	03/08/2001
Toluene - d8 (Surr)	97.0		% Recovery	EPA 8260B	03/08/2001
4-Bromofluorobenzene (Surr)	96.8		% Recovery	EPA 8260B	03/08/2001

Sample : **MW-2**

Matrix : Water

Lab Number : 19431-02

Sample Date :02/26/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 20	20	ug/L	EPA 8260B	03/10/2001
Toluene	< 20	20	ug/L	EPA 8260B	03/10/2001
Ethylbenzene	< 20	20	ug/L	EPA 8260B	03/10/2001
Total Xylenes	< 20	20	ug/L	EPA 8260B	03/10/2001
Methyl-t-butyl ether (MTBE)	12000	20	ug/L	EPA 8260B	03/10/2001
TPH as Gasoline	< 2000	2000	ug/L	EPA 8260B	03/10/2001
Toluene - d8 (Surr)	97.3		% Recovery	EPA 8260B	03/10/2001
4-Bromofluorobenzene (Surr)	90.2		% Recovery	EPA 8260B	03/10/2001

Approved By:  Joel Kiff



Report Number : 19431

Date : 03/14/2001

Project Name : SAN LORENZO 721

Project Number :

Sample : MW-3

Matrix : Water

Lab Number : 19431-03

Sample Date :02/26/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	14	0.50	ug/L	EPA 8260B	03/09/2001
Toluene	4.3	0.50	ug/L	EPA 8260B	03/09/2001
Ethylbenzene	3.1	0.50	ug/L	EPA 8260B	03/09/2001
Total Xylenes	11	0.50	ug/L	EPA 8260B	03/09/2001
Methyl-t-butyl ether (MTBE)	230	0.50	ug/L	EPA 8260B	03/09/2001
TPH as Gasoline	140	50	ug/L	EPA 8260B	03/09/2001
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	03/09/2001
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	03/09/2001

Sample : MW-10

Matrix : Water

Lab Number : 19431-04

Sample Date :02/26/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 1.0	1.0	ug/L	EPA 8260B	03/08/2001
Toluene	2.5	1.0	ug/L	EPA 8260B	03/08/2001
Ethylbenzene	24	1.0	ug/L	EPA 8260B	03/08/2001
Total Xylenes	13	1.0	ug/L	EPA 8260B	03/08/2001
Methyl-t-butyl ether (MTBE)	860	3.0	ug/L	EPA 8260B	03/09/2001
TPH as Gasoline	5000	100	ug/L	EPA 8260B	03/08/2001
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	03/08/2001
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	03/08/2001

Approved By:  Joel Kiff



Report Number : 19431

Date : 03/14/2001

Project Name : SAN LORENZO 721

Project Number :

Sample : RW-1

Matrix : Water

Lab Number : 19431-05

Sample Date :02/26/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/08/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/08/2001
Methyl-t-butyl ether (MTBE)	360	1.0	ug/L	EPA 8260B	03/09/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/08/2001
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	03/08/2001
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	03/08/2001

Approved By:  Joel Kiff

Project Manager: DOUGLOS HAL HANSEN
 Company/Address: _____
 Phone No.: _____
 FAX No.: _____

Chain-of-Custody Record and Analysis Request

Project Number: _____ P.O. No.: 3721-67
 Email Address: _____
 .pdf .xls .doc other

Project Name/Location: SAN LORENZO 721
 Sampler Signature: Edgar Oliveta

Sample Designation	Sampling		Container (Type/Amount)		Method Preserved				Matrix	Analysis Request										TAT	For Lab Use Only								
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER/SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X) W.E.T. (X)						
MW-1	2-26-01	3:52	3		X	X			W					X													12 hr	61	
MW-2		4:15																										12 hr	62
MW-3		3:26																										24 hr	63
MW-10		3:08																										48 hr	64
RW-1		3:35																										72 hr	65

Relinquished by: <u>[Signature]</u>	Date	Time	Received by: _____	Remarks:
Relinquished by: _____	Date	Time	Received by: _____	
Relinquished by: _____	Date	Time	Received by Laboratory: <u>John C. [Signature]</u>	
				Bill to: <u>JOE ALDRIDGE</u>

ENCLOSURE D

Remediation System Analytical Results



Report Number : 18996

Date : 1/25/01

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-66

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 18996

Date : 1/25/01

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H2O-Inf

Matrix : Water

Lab Number : 18996-01

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/20/01
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	1/20/01

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 18996-02

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/20/01
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	1/20/01

Approved By:  Joel Kiff



Report Number : 18996

Date : 1/25/01

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H2O-MID1

Matrix : Water

Lab Number : 18996-03

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/20/01
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	1/20/01

Sample : H2O-MID2

Matrix : Water

Lab Number : 18996-04

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/20/01
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	1/20/01

Approved By:  Joel Kiff



Report Number : 18996

Date : 1/25/01

Project Name : **San Lorenzo**

Project Number : **00-3721-0002**

Sample : **H2O-Eff**

Matrix : Water

Lab Number : 18996-05

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/20/01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/20/01
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	1/20/01

Approved By:  Joel Kiff



Report Number : 19349

Date : 03/07/2001

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-66

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 19349

Date : 03/07/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H2O-Inf

Matrix : Water

Lab Number : 19349-01

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Methyl-t-butyl ether (MTBE)	240	0.50	ug/L	EPA 8260B	02/27/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2001
Toluene - d8 (Surr)	96.0		% Recovery	EPA 8260B	02/27/2001
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	02/27/2001

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 19349-02

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Methyl-t-butyl ether (MTBE)	1.8	0.50	ug/L	EPA 8260B	02/27/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2001
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	02/27/2001
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	02/27/2001

Approved By:  Joel Kiff



Report Number : 19349

Date : 03/07/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H20-MID1

Matrix : Water

Lab Number : 19349-03

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Methyl-t-butyl ether (MTBE)	7.3	0.50	ug/L	EPA 8260B	02/27/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2001
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	02/27/2001
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	02/27/2001

Sample : H20-MID2

Matrix : Water

Lab Number : 19349-04

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/06/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2001
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	02/27/2001
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	02/27/2001

Approved By:  Joel Kiff



Report Number : 19349

Date : 03/07/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H2O-Eff

Matrix : Water

Lab Number : 19349-05

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2001
Methyl-t-butyl ether (MTBE)	1.4	0.50	ug/L	EPA 8260B	02/27/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/27/2001
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	02/27/2001

Approved By:  Joel Kiff

CLS Labs

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

03/01/2001

Attention: Joel Kiff

Reference: Analytical Results

Project Name: San Lorenzo
Project No.: 00-3721-0002
Date Received: 02/26/2001
Chain Of Custody: 19349

CLS ID No.: S6549
CLS Job No.: 836549

The following analyses were performed on the above referenced project:

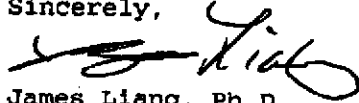
<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
1	4 Days	Total Suspended Solids, EPA Method 150.2
1	4 Days	Chemical Oxygen Demand, EPA Method 410.4
1	4 Days	pH, EPA Method 9040

These samples were received by CLS Labs in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CLS Labs

Analysis Report: Total Suspended Solids, EPA Method 160.2

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Date Sampled: 02/23/2001
Date Received: 02/26/2001
Date Extracted: N/A
Date Analyzed: 02/27/2001
Date Reported: 03/01/2001

Lab Contact: James Liang
Lab ID No.: 86549
Job No.: 836549
COC Log No.: 19349
Batch No.: W010226E
Instrument ID: BA005
Analyst ID: JEFFD
Matrix: WA

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / H2O-Eff Total Suspended Solids	N/A	5.0	5.0	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: Chemical Oxygen Demand, EPA Method 410.4

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Lab Contact: James Liang
Lab ID No.: 86549
Job No.: 836549
COC Log No.: 19349
Batch No.: W010226H
Instrument ID: UV002
Analyst ID: JEFFD
Matrix: WA

Date Sampled: 02/23/2001
Date Received: 02/26/2001
Date Extracted: N/A
Date Analyzed: 02/27/2001
Date Reported: 03/01/2001

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1B / H2O-Eff Chemical Oxygen Demand	N/A	ND	10	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: pH, EPA Method 9040

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Date Sampled: 02/23/2001
Date Received: 02/26/2001
Date Extracted: N/A
Date Analyzed: 02/26/2001
Date Reported: 03/01/2001

Lab Contact: James Liang
Lab ID No.: S6549
Job No.: 836549
COC Log No.: 19349
Batch No.: W010226H
Instrument ID: PH002
Analyst ID: JEFFD
Matrix: WA

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Value (Standard Units)
1A / H2O-Eff pH	N/A	7.63

19349

86549

KIFF ANALYTICAL SUBCONTRACT FORM

Subcontract Lab:

CLS Labs

Please mail results to :

Please fax to :

3249 Fitzgerald Rd.

Rancho, Cordova, CA 95742

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

530-297-4803

916-638-7301

Account No. :

PROJECT NAME : San Lorenzo

PROJECT NUMBER: 00-3721-0002

Sample	Matrix	Sampled	Tests	Due	Container
H2O-Eff	WA	02/23/2001	Chemical Oxygen Demand	03/02/2001	
H2O-Eff	WA	02/23/2001	pH	03/02/2001	
H2O-Eff	WA	02/23/2001	Total Suspended Solids	03/02/2001	

Relinquished by :

Michele Woodworth / KIFF Analytical

Date/Time:

02/26/01/1413

Received by:

[Signature]

Relinquished by :

[Signature]

Date/Time:

02/26/01 1555

Received by:

[Signature]

Relinquished by :

Date/Time:

Received by:



Report Number : 19423

Date : 03/14/2001

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 5 Water Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-66

Dear Mr. Munsch,

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

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

Sincerely,



Joel Kiff



Report Number : 19423

Date : 03/14/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H2O-Inf

Matrix : Water

Lab Number : 19423-01

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/07/2001
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	03/07/2001
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	03/07/2001

Sample : H2O-DAT-Eff

Matrix : Water

Lab Number : 19423-02

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/07/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	03/07/2001
4-Bromofluorobenzene (Surr)	89.4		% Recovery	EPA 8260B	03/07/2001

Approved By:  Joel Kiff



Report Number : 19423

Date : 03/14/2001

Project Name : **San Lorenzo**

Project Number : **00-3721-0002**

Sample : **H2O-MID1**

Matrix : Water

Lab Number : 19423-03

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/07/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	03/07/2001
4-Bromofluorobenzene (Surr)	91.3		% Recovery	EPA 8260B	03/07/2001

Sample : **H2O-MID2**

Matrix : Water

Lab Number : 19423-04

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/07/2001
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	03/07/2001
4-Bromofluorobenzene (Surr)	91.3		% Recovery	EPA 8260B	03/07/2001

Approved By:  Joel Kiff



Report Number : 19423

Date : 03/14/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : H20-Eff

Matrix : Water

Lab Number : 19423-05

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/07/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/07/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	03/07/2001
4-Bromofluorobenzene (Surr)	89.1		% Recovery	EPA 8260B	03/07/2001

Approved By:  Joel Kiff

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

CLS Labs

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

03/08/2001

Attention: Joel Kiff

Reference: Analytical Results

Project Name: San Lorenzo
Project No.: 00-3721-0002
Date Received: 03/02/2001
Chain Of Custody: 19423

CLS ID No.: 86671
CLS Job No.: 836671

The following analyses were performed on the above referenced project:

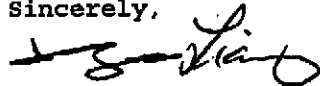
<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
1	5 Days	Total Suspended Solids, EPA Method 160.2
1	5 Days	Chemical Oxygen Demand, EPA Method 410.4
1	5 Days	pH, EPA Method 9040

These samples were received by CLS Labs in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CLS Labs

Analysis Report: Total Suspended Solids, EPA Method 160.2

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Date Sampled: 03/01/2001
Date Received: 03/02/2001
Date Extracted: N/A
Date Analysed: 03/05/2001
Date Reported: 03/08/2001

Lab Contact: James Liang
Lab ID No.: 86671
Job No.: 836671
COC Log No.: 19423
Batch No.: W010302F
Instrument ID: BA005
Analyst ID: PONGC
Matrix: WA

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1A / H2O-Eff Total Suspended Solids	N/A	ND	5.0	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: Chemical Oxygen Demand, EPA Method 410.4

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Lab Contact: James Liang
Lab ID No.: 86671
Job No.: 836671
COC Log No.: 19423
Batch No.: W010302F
Instrument ID: UV002
Analyst ID: PONGC
Matrix: WA

Date Sampled: 03/01/2001
Date Received: 03/02/2001
Date Extracted: N/A
Date Analyzed: 03/06/2001
Date Reported: 03/08/2001

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/L)	Rep. Limit (mg/L)	Dilution (factor)
1B / H2O-Eff Chemical Oxygen Demand	N/A	ND	10	1.0

ND = Not detected at or above indicated Reporting Limit

CLS Labs

Analysis Report: pH, EPA Method 9040

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

Project No.: 00-3721-0002
Contact: Joel Kiff
Phone: (530)297-4800

Project: San Lorenzo

Lab Contact: James Liang
Lab ID No.: 86671
Job No.: 836671
COC Log No.: 19423
Batch No.: W010302F
Instrument ID: PH002
Analyst ID: PONGC
Matrix: WA

Date Sampled: 03/01/2001
Date Received: 03/02/2001
Date Extracted: N/A
Date Analyzed: 03/02/2001
Date Reported: 03/08/2001

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Value (Standard Units)
1A / H2O-Eff pH	N/A	7.49

CA 8000 CLAP Accreditation/Registration Number 1223

3249 Fitzgerald Road Rancho Cordova, CA 95742 (916) 638-7301 Fax (916) 638-4510



Report Number : 18994

Date : 1/26/01

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 3 Air Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-66

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 18994

Date : 1/26/01

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : Air-Inf

Matrix : Air

Lab Number : 18994-01

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	1/20/01
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	1/20/01
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	1/20/01

Sample : Air-Mid

Matrix : Air

Lab Number : 18994-02

Sample Date :1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Total Xylenes	0.053	0.050	Molar ppm	EPA 8260B	1/20/01
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	1/20/01
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	1/20/01
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	1/20/01

Approved By:  Joel Kiff



Report Number : 18994

Date : 1/26/01

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : Air-Eff

Matrix : Air

Lab Number : 18994-03

Sample Date : 1/19/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	1/20/01
Total Xylenes	0.071	0.050	Molar ppm	EPA 8260B	1/20/01
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	1/20/01
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	1/20/01
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	1/20/01
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	1/20/01

Approved By:  Joel Kiff

Chain-of-Custody Record and Analysis Request

Project Manager: Richard Munsch
 Company/Address: Doulos
 Project Number: 00-3721-0004 P.O. No.: 3721-66
 Project Name/Location: San Lorenzo

Phone No.: (916) 771-7098
 FAX No.: (916) 771-4589
 Email Address: _____
 .pdf .xls .doc other
 Sampler Signature: [Signature]

Analysis Request

TAT For Lab Use Only

Sample Designation	Sampling		40 ml VOA SLEEVE	Container (Type/Amount)	Method Preserved				WATER/SOIL	Matrix	Analysis Request													TAT				
	Date	Time			HCl	HNO ₃	ICE	NONE			BTEX (80218)	BTEX/TPH Gas/MTBE (80218/8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (82608)	5 Oxygenates/TPH Gas/BTEX (82608)	7 Oxygenates/TPH Gas/BTEX (82608)	5 Oxygenates (82608)	7 Oxygenates (82608)	Lead Scav. (1,2 DCA & 1,2 EDB - 82608)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X)		W.E.T. (X)			
Air - Inf	1/19	9:45		HTT Seal					Air	X	X															12 hr/24 hr/48 hr/72 hr/1 wk	-01	
Air - Mid	1/19	9:46		HTT Seal					Air	X	X																	-02
Air - Elf	1/19	9:46		HTT Seal					Air	X	X																	-03

Relinquished by: <u>[Signature]</u>	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by Laboratory: <u>KIFF</u>
	<u>01/19/01</u>	<u>1805</u>	<u>Osama Albalani / Analyst</u>

Remarks: STAT

Bill to: Ultramar Inc / Joe Aldridge



Report Number : 19347

Date : 03/06/2001

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 4 Air Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-66

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 19347

Date : 03/06/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : Air-Inf

Matrix : Air

Lab Number : 19347-01

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	02/24/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	02/24/2001
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	02/24/2001
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	02/24/2001

Sample : Air-MID

Matrix : Air

Lab Number : 19347-02

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	03/05/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	02/24/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	02/24/2001
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	02/24/2001
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	02/24/2001

Approved By:  Joel Kiff



Report Number : 19347

Date : 03/06/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : Air-Eff

Matrix : Air

Lab Number : 19347-03

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	02/24/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	02/24/2001
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	02/24/2001
4-Bromofluorobenzene (Surr)	99.3		% Recovery	EPA 8260B	02/24/2001

Sample : Air-DAT-Eff

Matrix : Air

Lab Number : 19347-04

Sample Date :02/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	02/24/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	02/24/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	02/24/2001
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	02/24/2001
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	02/24/2001

Approved By:  Joel Kiff



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

Lab No. 19347

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Richard Munsch
 Company/Address: Doubles

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

Project Number: 00-3721-0002 P.O. No.: 3721-66

Email Address: _____
 .pdf .xls .doc other

Project Name/Location: San Lorenzo

Sampler Signature: [Signature]

Analysis Request **TAT** **For Lab Use Only**

Sample Designation	Sampling		40 ml VOA	Container (Type/Amount)		Method Preserved				WATER/SOIL	Matrix	BTEX (8201B)	BTEX/TPH Gas/MTBE (8021B/86015)	TPH in Diesel (M8015)	TPH in 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 Scrv. (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	12 hr = Results by 9 a.m. of the next bus. day 24 hr = Results by 5 p.m. of the next bus. day 48 hr = Results by 5 p.m. of the 2nd bus. day 72 hr = Results by 5 p.m. of the 3rd bus. day 1 wk = Results by 5 p.m. of the 5th bus. day		
	Date	Time		SLEEVE	TELE	HCl	HNO ₃	ICE	NONE																							
Air - Inf	2/27/00	9:55		X	X					X																						-01
Air - MID	2/23	9:54		X	X					X																						-02
Air - EFF	2/23	9:52		X	X					X																						-03
Air - DAT - EFF	2/23	9:50		X	X					X																						-04

Relinquished by: <u>[Signature]</u>	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by: _____
Relinquished by: _____	Date	Time	Received by Laboratory: <u>OSAMA ALBOLOMI / KIFF ANALYTICAL</u>

Remarks: STAT

Bill to: Ultamar, Inc / Joe Aldridge



Report Number : 19438

Date : 03/14/2001

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 4 Air Samples
Project Name : San Lorenzo
Project Number : 00-3721-0002
P.O. Number : 3721-60

Dear Mr. Munsch,

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

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

Sincerely,

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

Joel Kiff



Report Number : 19438

Date : 03/14/2001

Project Name : **San Lorenzo**

Project Number : **00-3721-0002**

Sample : **SVE-Inf**

Matrix : Air

Lab Number : 19438-01

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	03/03/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	03/03/2001
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	03/03/2001
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	03/03/2001

Sample : **SVE-MID**

Matrix : Air

Lab Number : 19438-02

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	03/03/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	03/03/2001
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	03/03/2001
4-Bromofluorobenzene (Surr)	89.7		% Recovery	EPA 8260B	03/03/2001

Approved By:  Joel Kiff



Report Number : 19438

Date : 03/14/2001

Project Name : San Lorenzo

Project Number : 00-3721-0002

Sample : SVE-Eff

Matrix : Air

Lab Number : 19438-03

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Total Xylenes	0.055	0.050	Molar ppm	EPA 8260B	03/03/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	03/03/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	03/03/2001
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	03/03/2001
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	03/03/2001

Sample : DAT-Eff

Matrix : Air

Lab Number : 19438-04

Sample Date :03/01/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Toluene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Ethylbenzene	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Total Xylenes	< 0.050	0.050	Molar ppm	EPA 8260B	03/03/2001
Methyl-t-butyl ether	< 0.10	0.10	Molar ppm	EPA 8260B	03/03/2001
TPH as Gasoline	< 5.0	5.0	Molar ppm	EPA 8260B	03/03/2001
Toluene - d8 (Surr)	96.5		% Recovery	EPA 8260B	03/03/2001
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	03/03/2001

Approved By:  Joel Kiff

Project Manager: Richard Munsch Phone No.: (916) 771-7018

Company/Address: Pouls FAX No.: (916) 771-4584

Project Number: 00-3721-0002 P.O. No.: 3721-66 Email Address: pdf xls doc other

Project Name/Location: San Lorenzo Sampler Signature: [Signature]

Chain-of-Custody Record and Analysis Request

Analysis Request

TAT For Lab Use Only

Sample Designation	Sampling		Container (Type/Amount)				Method Preserved				Matrix	Analysis Request												TAT				
	Date	Time	40 ml VOA	SLEEVE	Teel	HCl	HNO ₃	ICE	NONE	WATER/SOIL	Air	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 ED6 - 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		
SVE - INF	3/1/01	11:42							X	X	X	X																-01
SVE - MID	3/1/01	11:39							X	X	X	X																-02
SVE - EFF	3/1/01	11:38							X	X	X	X																-03
DAT - EFF	3/1/01	11:34							X	X	X	X																

Relinquished by: [Signature] Date: _____ Time: _____ Received by: _____
 Relinquished by: _____ Date: _____ Time: _____ Received by: _____
 Relinquished by: _____ Date: 03/02/01 Time: 12:21 Received by Laboratory: Scott Munsch/KIFF ANALYTICAL

Remarks: STAT
 Billed to: Ultamar Inc. / Joe Aldridge